



Atlantic Richfield Company
(a BP affiliated company)

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Phone: (714) 670-5303
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R0356

October 21, 2005

Alameda County
OCT 25 2005
Environmental Health

Re: **Third Quarter 2005 Groundwater Monitoring Report
Former BP Service Station #11117
7210 Bancroft Avenue
Oakland, California
ACEH Case No. R00000356**

"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:

Kyle Christie
Environmental Business Manager



October 21, 2005

Ms. Donna Drogos
Alameda County Environmental Health (ACEH)
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Alameda County
OCT 25 2005
Environmental Health

Re: **Third Quarter 2005 Groundwater Monitoring Report
Former BP Service Station #11117
7210 Bancroft Avenue
Oakland, California
ACEH Case No. RO0000356**

Dear Ms. Drogos:

On behalf of the Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is submitting the *Third Quarter 2005 Groundwater Monitoring Report* for the Former BP Service Station #11117, located at 7210 Bancroft Avenue, Oakland, California.

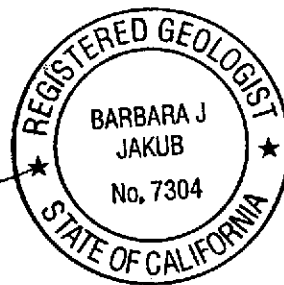
If you have any questions regarding this submission, please call me at (510) 874-1758.

Sincerely,

URS CORPORATION

Lynelle Onishi
Project Manager

Barbara J. Jakub, P.G.
Senior Geologist



Enclosure: **Third Quarter 2005 Groundwater Monitoring Report**

cc: Mr. Kyle Christie, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS
Ms. Shelby Lathrop, ConocoPhillips, electronic copy uploaded to URS ftp server
Ms. Diane Clark, One Eastmont Town Center, 7200 Bancroft Avenue, Oakland, CA 94605-1907

R E P O R T

**THIRD QUARTER 2005
GROUNDWATER MONITORING
REPORT**

**FORMER BP SERVICE STATION #11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA**

Prepared for
RM

October 21, 2005

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: October 21, 2005
Quarter: 3Q 05

THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT

Facility No.: 11117 Address: 7210 Bancroft Avenue, Oakland, CA
RM Environmental Business Manager: Kyle Christie
Consulting Co./Contact Person: URS Corporation / Lynelle Onishi
Primary Agency: Alameda County Environmental Health (ACEH)
ACEH Case No.: RO0000356

WORK PERFORMED THIS QUARTER (Third – 2005):

1. Prepared and submitted the Second Quarter 2005 Groundwater Monitoring Report.
2. Performed the third quarter groundwater monitoring event on September 1, 2005.
3. Begin the on-site phase of soil and groundwater investigation as proposed in the Soil and Groundwater Investigation Work Plan Addendum dated May 9, 2005 and approved by the ACEH.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2005):

1. Prepare and submit this Third Quarter 2005 Groundwater Monitoring Report.
2. Perform the fourth quarter 2005 groundwater monitoring event.
3. Complete the off-site phase of the work proposed in the Work Plan Addendum dated May 11, 2005.

Current Phase of Project:	<u>Groundwater monitoring/sampling</u>
Frequency of Groundwater Sampling:	<u>Quarterly: Wells EX-1, -2, MW-2, -4, -7, -10; Semi-annually (1st and 3rd quarters): Well MW-9; Annually (1st quarter): Wells MW-1, -3, -6, -8</u>
Frequency of Groundwater Monitoring:	<u>Quarterly</u>
Is Free Product (FP) Present On-Site:	<u>No</u>
Current Remediation Techniques:	<u>None</u>
Approximate Depth to Groundwater:	<u>15.79 (MW-1) to 20.41 (MW-7) feet</u>
Groundwater Gradient (direction):	<u>North</u>
Groundwater Gradient (magnitude):	<u>0.03 feet per foot</u>

DISCUSSION:

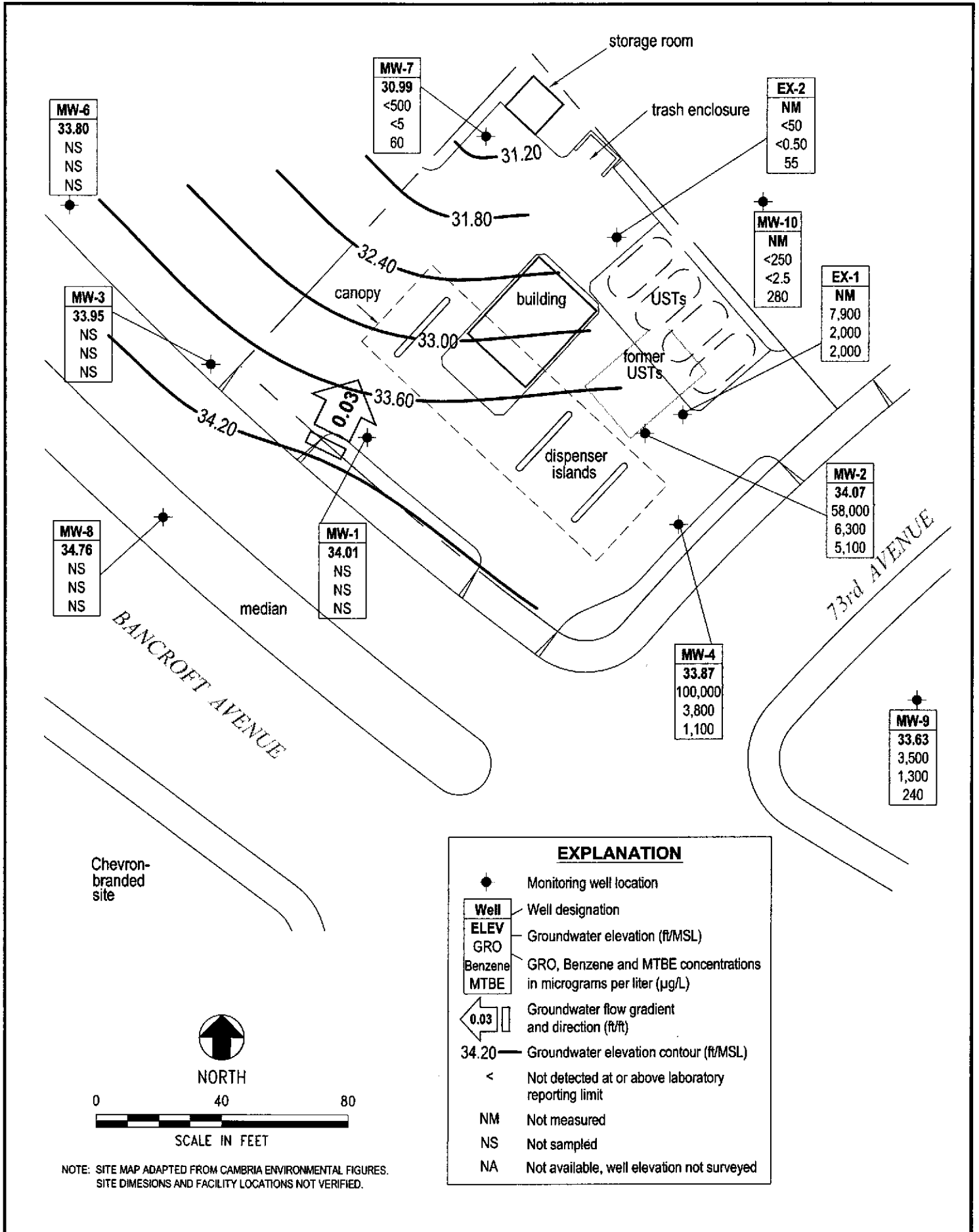
Gasoline range organics (GRO) were detected at or above the laboratory reporting limit in four of the seven wells sampled this quarter at concentrations ranging from 3,500 micrograms per liter ($\mu\text{g/L}$) (MW-9) to 100,000 $\mu\text{g/L}$ (MW-4). Benzene was detected at or above the laboratory reporting limit in four wells at concentrations ranging from 1,300 $\mu\text{g/L}$ (MW-9) to 6,300 $\mu\text{g/L}$ (MW-2). Toluene was detected at or above the laboratory reporting limit in four wells at concentrations ranging from 1.4 $\mu\text{g/L}$ (EX-2) to 11,000 $\mu\text{g/L}$ (MW-4). Ethylbenzene was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 400 $\mu\text{g/L}$ (EX-1) to 4,900 $\mu\text{g/L}$ (MW-4). Xylenes were detected at or above the laboratory reporting limit in five wells at concentrations ranging from 1.4 $\mu\text{g/L}$ (EX-2) to 33,000 $\mu\text{g/L}$ (MW-4). Methyl tert-butyl ether (MTBE) was detected at or above the laboratory reporting limit in all seven wells at concentrations ranging from 55 $\mu\text{g/L}$ (EX-2) to 5,100 $\mu\text{g/L}$ (MW-2). Tert-amyl methyl ether (TAME) was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 0.56 $\mu\text{g/L}$ (EX-2) to 100 $\mu\text{g/L}$ (MW-2). Tert-butyl alcohol (TBA) was detected at or

above the laboratory reporting limit in one well (MW-9) at a concentration of 2,700 µg/L. No other fuel components were detected at or above laboratory reporting limits.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 1, 2005
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Additives Analytical Data
- Table 3 – Groundwater Data and Gradient
- 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 Confirmations

Oct 11, 2005 - 11:16am
 X:\env\waste\BP_GEM Sites\Niles Sites\11117\Reports\Monitoring\3\Q05 Drawings\11117-3\Q05-GW.dwg



Chevron-branded site



NORTH

0 40 80

SCALE IN FEET

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

EXPLANATION	
	Monitoring well location
Well	Well designation
ELEV	Groundwater elevation (ft/MSL)
GRO	GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L)
Benzene	
MTBE	
	Groundwater flow gradient and direction (ft/ft)
	Groundwater elevation contour (ft/MSL)
<	Not detected at or above laboratory reporting limit
NM	Not measured
NS	Not sampled
NA	Not available, well elevation not surveyed



Project No. 38487251
 Former BP Service Station #11117
 7210 Bancroft Avenue
 Oakland, California

**GROUNDWATER ELEVATION CONTOUR
 AND ANALYTICAL SUMMARY MAP**
 Third Quarter 2005 (September 1, 2005)

FIGURE
 1

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
EX-1	05/04/2004	P	--	16.29	--	--	12,000	2,300	430	740	1,100	2,500	--	SEQM	6.8	h
	08/31/2004	P	--	19.39	--	--	13,000	2,500	95	650	1,500	2,100	--	SEQM	6.7	h
	11/23/2004	P	--	17.90	--	--	13,000	2,700	94	460	1,700	3,000	--	SEQM	6.9	
	01/18/2005	P	--	14.20	--	--	16,000	2,100	390	570	2,500	2,200	--	SEQM	6.6	
	06/29/2005	P	--	14.22	--	--	6,400	1,100	52	280	790	1,400	--	SEQM	7.2	
	09/01/2005	P	--	17.22	--	--	7,900	2,000	94	400	870	2,000	--	SEQM	6.7	
EX-2	05/04/2004	P	--	16.65	--	--	<50	0.63	<0.50	<0.50	0.66	46	--	SEQM	6.7	h
	08/31/2004	P	--	19.90	--	--	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.9	h
	11/23/2004	P	--	18.36	--	--	<50	0.74	<0.50	0.83	3.0	5.8	--	SEQM	6.6	
	01/18/2005	P	--	14.67	--	--	<50	<0.50	<0.50	<0.50	0.69	6.5	--	SEQM	6.5	
	06/29/2005	P	--	14.60	--	--	<50	<0.50	<0.50	<0.50	0.50	24	--	SEQM	6.8	s
	09/01/2005	P	--	17.28	--	--	<50	<0.50	1.4	<0.50	1.4	55	--	SEQM	7.0	
MW-1	1/5/1992	--	49.8	33.16	--	16.64	57,000	2,400	1,000	1,100	3,100	--	--	--	--	
	1/10/1992	--	49.8	33.16	--	16.64	--	--	--	--	--	--	--	--	--	
	6/5/1992	--	49.8	29.01	--	20.79	31,000	2,800	2,100	800	2,300	--	--	--	--	
	7/24/1992	--	49.8	29.45	--	20.35	--	--	--	--	--	--	--	--	--	
	7/27/1992	--	49.8	29.45	--	20.35	--	--	--	--	--	--	--	--	--	
	9/15/1992	--	--	--	--	--	36,000	3,800	3,400	1,400	3,800	--	--	ANA	--	d
	9/15/1992	--	49.8	30.53	--	19.27	40,000	3,400	3,000	1,300	3,400	--	--	ANA	--	c
	12/15/1992	--	--	--	--	--	22,000	1,500	440	510	1,300	--	--	ANA	--	d
	12/15/1992	--	49.8	31.26	--	18.54	27,000	1,700	580	700	1,900	--	--	ANA	--	c
	3/15/1993	--	--	--	--	--	15,000	1,100	860	440	1,400	--	--	PACE	--	d, l
	3/15/1993	--	49.8	24.80	--	25.00	17,000	1,700	1,200	590	1,800	--	--	PACE	--	l
	6/7/1993	--	--	--	--	--	720	0.7	0.7	<0.5	<0.5	--	--	PACE	--	d, l
	6/7/1993	--	49.8	25.01	--	24.79	750	0.8	0.8	<0.5	<0.5	--	--	PACE	--	l
	9/23/1993	--	49.8	28.70	--	21.10	40,000	4,000	500	920	3,000	6,619	--	PACE	--	e, l
	12/27/1993	--	--	--	--	--	21,000	1,700	380	830	2,400	9,219	--	PACE	--	e, l, d
	12/27/1993	--	49.8	28.66	--	21.14	27,000	2,000	400	940	2,600	13,558	--	PACE	--	e, l
	4/5/1994	--	--	--	--	--	29,000	3,700	1,000	1,000	3,100	9,672	1.3	PACE	--	e, l, d
	4/5/1994	--	49.8	26.37	--	23.43	27,000	3,400	930	950	2,900	8,595	--	PACE	--	e, l,
	7/22/1994	--	49.8	26.54	--	23.26	1,700	220	2.3	2	3.4	262	2.0	PACE	--	e, l
10/13/1994	--	49.8	27.46	--	22.34	1,200	250	21	<0.5	3.2	321	2.6	PACE	--	e, l	
1/25/1995	--	49.8	20.96	--	28.84	1,000	420	8	13	4	--	--	ATI	--		

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	4/19/1995	--	49.8	19.59	--	30.21	5,200	420	51	230	340	--	6.0	ATI	---	
	7/5/1995	--	49.8	19.61	--	30.19	320	4.2	<0.50	<0.50	<1.0	--	4.6	ATI	---	
	10/5/1995	--	49.8	24.40	--	25.40	5,800	1,000	40	31	180	7,800	2.3	ATI	---	
	1/12/1996	--	49.8	25.44	--	24.36	370	<0.50	<0.50	<0.50	<1.0	<5.0	3.7	ATI	---	
	4/22/1996	--	49.8	18.02	--	31.78	<50	<0.5	<1	<1	<1	<10	3.9	SPL	---	
	7/2/1996	--	49.8	19.72	--	30.08	--	--	--	--	--	--	--	---	---	
	7/3/1996	--	49.8	--	--	--	<250	<2.5	<5	<5	<5	<50	3.6	SPL	---	
	11/8/1996	--	49.8	19.98	--	29.82	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	---	
	1/3/1997	--	49.8	19.49	--	30.31	<50	<0.5	14	<1.0	<1.0	<10	4.6	SPL	---	
	4/28/1997	--	49.8	20.20	--	29.60	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	7/1/1997	--	49.8	22.53	--	27.27	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	10/2/1997	--	49.8	24.27	--	25.53	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	---	
	1/9/1998	--	49.8	21.07	--	28.73	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	---	
	5/6/1998	--	49.8	14.94	--	34.86	60	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	7/21/1998	--	49.8	15.11	--	34.69	70	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	12/30/1998	--	49.8	19.95	--	29.85	--	--	--	--	--	--	--	---	---	
	2/2/1999	--	49.8	19.12	--	30.68	420	<1.0	<1.0	<1.0	<1.0	390	--	SPL	---	
	5/10/1999	--	49.8	15.51	--	34.29	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	49.8	21.65	--	28.15	440	49	<1.0	<1.0	<1.0	910	--	SPL	---	
	12/23/1999	--	49.8	22.32	--	27.48	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	49.8	15.72	--	34.08	2,500	230	3	83	36	4,400	--	PACE	---	
	5/22/2000	--	49.8	16.92	--	32.88	--	--	--	--	--	--	--	---	---	
	8/31/2000	--	49.8	20.12	--	29.68	1,700	18	5.5	7.9	5	510	--	PACE	---	
	12/11/2000	--	49.8	20.72	--	29.08	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	49.8	15.91	--	33.89	880	38.2	<0.5	24.1	<1.5	391	--	PACE	---	
	6/19/2001	--	49.8	18.38	--	31.42	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	49.8	21.23	--	28.57	3,200	400	19.8	42	32.5	2,510	--	PACE	---	
	12/27/2001	--	49.8	16.72	--	33.08	750	70.1	0.536	4.74	3.76	649	--	PACE	---	
	2/28/2002	--	49.8	15.25	--	34.55	<50	<0.5	<0.5	<0.5	<1.0	8.7	--	PACE	---	
	6/28/2002	--	49.8	16.57	--	33.23	110	0.977	<0.5	0.818	<1.0	8.35	--	PACE	---	
	9/12/2002	--	49.8	18.41	--	31.39	98	2.7	1.5	1.5	5.4	48	--	SEQ	6.9	
	12/12/2002	--	49.8	20.26	--	29.54	210	1.9	<0.50	<0.50	<0.50	32	--	SEQ	6.8	
	3/10/2003	--	49.8	16.22	--	33.58	<50	<0.50	<0.50	<0.50	<0.50	3.2	--	SEQ	6.9	
	5/12/2003	--	49.8	14.30	--	35.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.1	

Table 1

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Former BP Station #11117
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Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	8/27/2003	--	49.8	18.15	--	31.65	<50	<0.50	<0.50	<0.50	<0.50	4.2	--	SEQ	7.1	n
	11/10/2003	P	49.80	19.24	--	30.56	<50	<0.50	<0.50	<0.50	<0.50	0.51	--	SEQM	6.8	
	02/03/2004	P	49.80	14.84	--	34.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	05/04/2004	P	49.80	14.67	--	35.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
	08/31/2004	P	49.80	17.75	--	32.05	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.1	
	11/23/2004	--	49.80	16.03	--	33.77	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	49.80	12.47	--	37.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
	06/29/2005	--	49.80	12.65	--	37.15	--	--	--	--	--	--	--	--	--	
	09/01/2005	--	49.80	15.79	--	34.01	--	--	--	--	--	--	--	--	--	
MW-2	1/5/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	--	--	r
	1/10/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	--	--	r
	6/5/1992	--	51.07	30.05	--	21.02	11,000	2,000	180	490	1,900	--	--	--	--	
	7/24/1992	--	51.07	30.72	--	20.35	--	--	--	--	--	--	--	--	--	
	7/27/1992	--	51.07	30.52	--	20.55	--	--	--	--	--	--	--	--	--	
	9/15/1992	--	51.07	31.56	--	19.51	75,000	2,000	6,500	2,300	13,000	--	--	ANA	--	c
	12/15/1992	--	51.07	32.40	--	18.67	34,000	6,200	8,900	2,000	7,900	--	--	ANA	--	c
	3/15/1993	--	51.07	26.14	--	24.93	150,000	12,000	18,000	3,200	22,000	82,000	--	PACE	--	e
	6/7/1993	--	51.07	26.38	--	24.69	--	--	--	--	--	--	--	--	--	f
	9/23/1993	--	51.07	31.43	1.92	17.72	--	--	--	--	--	--	--	--	--	f
	12/27/1993	--	51.07	34.07	1.07	15.93	--	--	--	--	--	--	--	--	--	f
	4/5/1994	--	51.07	30.44	3.30	17.33	--	--	--	--	--	--	--	--	--	f
	7/22/1994	--	51.07	28.51	0.80	21.76	--	--	--	--	--	--	--	--	--	f
	10/13/1994	--	51.07	29.33	0.70	21.04	--	--	--	--	--	--	--	--	--	f
	1/25/1995	--	51.07	25.55	4.25	21.27	--	--	--	--	--	--	--	--	--	f
	4/19/1995	--	51.07	19.78	0.12	31.17	--	--	--	--	--	--	--	--	--	f
	7/5/1995	--	51.07	20.88	0.09	30.10	140,000	14,000	30,000	3,500	26,000	--	--	ATI	--	
	10/5/1995	--	51.07	24.68	0.10	26.29	--	--	--	--	--	--	--	--	--	f
	1/12/1996	--	51.07	25.72	0.06	25.29	--	--	--	--	--	--	--	--	--	f
	4/22/1996	--	51.07	19.33	0.08	31.66	--	--	--	--	--	--	--	--	--	f
	7/2/1996	--	51.07	20.01	0.04	31.02	--	--	--	--	--	--	--	--	--	f
	11/8/1996	--	51.07	20.28	0.01	30.78	--	--	--	--	--	--	--	--	--	f
	1/3/1997	--	51.07	19.87	0.02	31.18	--	--	--	--	--	--	--	--	--	f
	4/28/1997	--	51.07	20.59	0.01	30.47	560,000	1,200	1,300	290	2,310	6,100	3.9	SPL	--	
	7/1/1997	--	--	--	--	--	150,000	14,000	13,000	1,800	14,200	57,000	--	SPL	--	d

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	7/1/1997	--	51.07	22.90	0.01	28.16	24,000	15,000	16,000	4,900	24,400	63,000	3.7	SPL	---	
	10/2/1997	--	51.07	24.65	0.02	26.40	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	51.07	--	--	--	250,000	32,000	39,000	6,000	42,000	160,000	4.5	SPL	---	
	1/9/1998	--	--	--	--	--	300,000	20,000	25,000	5,200	37,000	84,000	--	SPL	---	d
	1/9/1998	--	51.07	21.22	0.01	29.84	420,000	23,000	29,000	5,800	43,000	75,000	4.0	SPL	---	
	2/2/1998	--	51.07	20.11	--	30.96	410,000	27,000	43,000	6,700	50,000	20,000	--	SPL	---	
	5/6/1998	--	51.07	15.10	0.01	35.96	180,000	25,000	26,000	3,400	22,900	35,000	3.7	SPL	---	
	7/21/1998	--	51.07	15.31	0.01	35.75	270,000	21,000	20,000	2,700	18,800	34,000	3.8	SPL	---	
	12/30/1998	--	51.07	21.10	0.10	29.87	300,000	22,000	24,000	4,200	26,000	89000/95000	--	SPL	---	j
	5/10/1999	--	51.07	16.68	--	34.39	220,000	20,000	20,000	2,800	20,000	100,000	--	SPL	---	
	9/23/1999	--	51.07	22.50	--	28.57	160,000	21,000	24,000	2,900	20,000	44,000	--	SPL	---	
	12/23/1999	--	51.07	22.64	--	28.43	170,000	25,000	41,000	3,100	24,000	40,000	--	PACE	---	k
	3/27/2000	--	51.07	16.88	--	34.19	140,000	15,000	25,000	3,400	21,000	19,000	--	PACE	---	
	5/22/2000	--	51.07	17.75	--	33.32	150,000	18,000	31,000	3,500	22,000	26,000	--	PACE	---	
	8/31/2000	--	51.07	21.97	--	29.10	200,000	16,000	26,000	2,500	16,000	38,000	--	PACE	---	
	12/11/2000	--	51.07	22.05	--	29.02	130,000	18,600	30,000	3,250	20,600	21,700	--	PACE	---	
	3/20/2001	--	51.07	17.75	--	33.32	140,000	15,900	24,800	3,700	22,100	12,900	--	PACE	---	
	6/19/2001	--	51.07	20.15	--	30.92	130,000	15,100	19,500	3,300	21,400	20,300	--	PACE	---	
	9/20/2001	--	51.07	22.14	--	28.93	110,000	12,400	12,600	2,230	13,000	39,500	--	PACE	---	
	12/27/2001	--	51.07	18.17	--	32.90	150,000	17,500	26,000	3,050	19,500	27,500	--	PACE	---	
	2/28/2002	--	51.07	17.42	--	33.65	120,000	13,900	18,800	3,030	19,600	17,300	--	PACE	---	
	6/28/2002	--	51.07	17.04	--	34.03	3,700	190	23.3	139	287	826	--	PACE	---	u
	9/12/2002	--	51.07	19.52	--	31.55	100,000	13,000	22,000	3,600	20,000	18,000	--	SEQ	6.6	
	12/12/2002	--	51.07	21.08	--	29.99	120,000	13,000	21,000	4,400	25,000	16,000	--	SEQ	6.6	
	3/10/2003	--	51.07	17.84	--	33.23	100,000	17,000	21,000	3,400	20,000	4,400	--	SEQ	6.8	
	5/12/2003	--	51.07	16.66	--	34.41	150,000	16,000	24,000	3,500	22,000	3,600	--	SEQ	7.1	
	8/27/2003	--	51.07	19.65	--	31.42	120,000	14,000	12,000	3,900	20,000	5,100	--	SEQ	6.9	n
	11/10/2003	P	51.07	20.80	--	30.27	97,000	12,000	9,500	3,600	15,000	4,200	--	SEQM	6.7	
	02/03/2004	P	51.07	16.82	--	34.25	130,000	14,000	19,000	3,400	20,000	1,900	--	SEQM	6.8	
	05/04/2004	P	51.07	16.19	--	34.88	120,000	12,000	16,000	3,700	22,000	2,500	--	SEQM	6.7	
	08/31/2004	P	51.07	19.50	--	31.57	99,000	10,000	13,000	3,700	18,000	3,400	--	SEQM	6.8	
	11/23/2004	P	51.07	18.20	--	32.87	110,000	8,200	17,000	4,000	23,000	2,400	--	SEQM	6.7	s
	01/18/2005	P	51.07	14.91	--	36.16	96,000	6,500	14,000	3,500	21,000	3,700	--	SEQM	6.6	
	06/29/2005	P	51.07	13.98	--	37.09	54,000	6,200	4,900	3,300	12,000	3,600	--	SEQM	7.3	

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	09/01/2005	P	51.07	17.00	--	34.07	58,000	6,300	6,000	3,300	15,000	5,100	--	SEQM	7.0	
MW-3	1/5/1992	--	49.95	33.69	--	16.26	7,400	790	23	210	40	--	--	--	--	
	1/10/1992	--	49.95	33.74	--	16.21	--	--	--	--	--	--	--	--	--	
	6/5/1992	--	49.95	29.65	--	20.30	2,000	130	5.3	93	20	--	--	--	--	
	7/24/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	--	--	
	7/27/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	--	--	
	9/15/1992	--	49.95	31.07	--	18.88	450	55	3.1	34	7.1	--	--	ANA	--	
	12/15/1992	--	49.95	31.93	--	18.02	12,000	940	<50	310	120	--	--	ANA	--	c
	3/15/1993	--	49.95	25.71	--	24.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	l
	6/7/1993	--	49.95	25.80	--	24.15	150	3.6	<0.5	0.9	1.3	--	--	PACE	--	l
	9/23/1993	--	49.95	29.18	--	20.77	--	--	--	--	--	--	--	--	--	
	9/24/1993	--	49.95	--	--	--	160	8.4	<0.5	3.7	1.3	15.3	--	PACE	--	l
	12/27/1993	--	49.95	29.25	--	20.70	9,400	1,100	48	530	120	2,871	--	PACE	--	e,l
	4/5/1994	--	49.95	26.84	--	23.11	7,000	860	19	330	52	10,414	2.0	PACE	--	l
	7/22/1994	--	49.95	26.90	--	23.11	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	PACE	--	l
	10/13/1994	--	49.95	27.83	--	22.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6	PACE	--	l
	1/25/1995	--	49.95	21.65	--	28.30	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	--	
	4/19/1995	--	49.95	19.33	--	30.62	2,400	170	8	130	27	--	5.0	ATI	--	
	7/5/1995	--	49.95	20.27	--	29.68	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	
	10/5/1995	--	49.95	23.73	--	26.22	2,300	210	3.1	10	5.1	2,400	4.2	ATI	--	
	1/12/1996	--	49.95	24.84	--	25.11	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	--	
	4/22/1996	--	49.95	18.60	--	31.35	<50	<0.5	<1	<1	<1	<10	4.4	SPL	--	
	7/2/1996	--	49.95	18.88	--	31.07	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
	11/8/1996	--	49.95	19.14	--	30.81	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
	1/3/1997	--	49.95	18.72	--	31.23	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
	4/28/1997	--	49.95	19.38	--	30.57	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
	7/1/1997	--	49.95	21.65	--	28.30	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
	10/2/1997	--	49.95	23.45	--	26.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	SPL	--	
	1/9/1998	--	49.95	20.10	--	29.85	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
	5/6/1998	--	49.95	15.57	--	34.38	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
	7/21/1998	--	--	--	--	--	60	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	d
	7/21/1998	--	49.95	15.88	--	34.07	51	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
	12/30/1998	--	49.95	20.30	--	29.65	--	--	--	--	--	--	--	SPL	--	
	2/2/1999	--	49.95	19.75	--	30.20	<50	<1.0	<1.0	<1.0	<1.0	<10	--	SPL	--	

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-3	5/10/1999	--	49.95	16.17	--	33.78	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	49.95	22.05	--	27.90	--	--	--	--	--	--	--	---	---	
	12/23/1999	--	49.95	22.55	--	27.40	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	49.95	16.40	--	33.55	350	22	<0.5	<0.5	<0.5	580	--	PACE	---	
	5/22/2000	--	49.95	9.49	--	40.46	--	--	--	--	--	--	--	---	---	t
	8/31/2000	--	49.95	13.02	--	36.93	--	--	--	--	--	--	--	---	---	t
	12/11/2000	--	49.95	13.30	--	36.65	--	--	--	--	--	--	--	---	---	t
	3/20/2001	--	49.95	16.49	--	33.46	1,000	66.4	0.597	6.96	<1.5	398	--	PACE	---	
	6/19/2001	--	49.95	18.82	--	31.13	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	49.95	21.59	--	28.36	230	<0.5	0.593	<0.5	<1.5	289	--	PACE	---	
	12/27/2001	--	49.95	17.37	--	32.58	--	--	--	--	--	--	--	---	---	
	2/28/2002	--	49.95	15.81	--	34.14	<50	<0.5	<0.5	<0.5	<1.0	0.58	--	PACE	---	
	6/28/2002	--	49.95	17.09	--	32.86	--	--	--	--	--	--	--	---	---	
	9/12/2002	--	49.95	18.80	--	31.15	52	3.3	8.6	1.7	12	11	--	SEQ	7.0	
	12/12/2002	--	49.95	20.57	--	29.38	--	--	--	--	--	--	--	---	---	
	3/10/2003	--	49.95	16.68	--	33.27	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.0	
	5/12/2003	--	49.95	14.72	--	35.23	--	--	--	--	--	--	--	---	---	
	8/27/2003	--	49.95	18.50	--	31.45	<50	<0.50	<0.50	<0.50	0.5	<0.50	--	---	7.1	n
	11/10/2003	--	49.95	19.66	--	30.29	--	--	--	--	--	--	--	---	---	
	02/03/2004	P	49.95	15.33	--	34.62	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	08/31/2004	P	49.95	18.13	--	31.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
	11/23/2004	--	49.95	16.48	--	33.47	--	--	--	--	--	--	--	---	---	
	01/18/2005	P	49.95	13.06	--	36.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
	06/29/2005	--	49.95	13.00	--	36.95	--	--	--	--	--	--	--	---	---	
	09/01/2005	--	49.95	16.00	--	33.95	--	--	--	--	--	--	--	---	---	
MW-4	7/24/1992	--	50.76	30.02	--	20.74	42,000	3,200	3,600	1,400	4,100	--	--	---	---	
	7/27/1992	--	50.76	30.02	--	20.74	--	--	--	--	--	--	--	---	---	
	9/15/1992	--	50.76	31.14	--	19.62	55,000	7,600	13,000	2,800	9,500	--	--	ANA	---	c
	12/15/1992	--	50.76	31.98	--	18.78	36,000	3,700	4,700	1,200	4,000	--	--	ANA	---	c
	3/15/1993	--	50.76	25.34	--	25.42	69,000	7,600	15,000	2,500	11,000	--	--	PACE	---	l
	6/7/1993	--	50.76	25.67	--	25.09	73,000	10,000	19,000	3,400	14,000	--	--	PACE	---	l
	9/23/1993	--	50.76	29.37	--	21.39	--	--	--	--	--	--	--	---	---	
	9/24/1993	--	--	--	--	--	59,000	5,300	10,000	2,200	8,400	309	--	PACE	---	d
	9/24/1993	--	50.76	--	--	--	68,000	11,000	2,100	8,600	990	390	--	PACE	---	l

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-4	12/27/1993	--	50.76	29.40	--	21.36	32,000	2,500	4,400	1,300	4,400	387	--	PACE	---	l
	4/5/1994	--	50.76	27.09	--	23.67	64,000	6,500	14,000	1,900	9,600	413	1.4	PACE	---	l
	7/22/1994	--	--	--	--	--	85,000	11,000	21,000	3,300	14,000	435	--	PACE	---	d, l
	7/22/1994	--	50.76	27.33	--	23.43	85,000	10,000	20,000	3,200	13,000	796	0.8	PACE	---	l
	10/13/1994	--	--	--	--	--	51,000	7,400	13,000	2,100	9,100	773	--	PACE	---	d, l
	10/13/1994	--	50.76	28.25	--	22.51	51,000	7,100	13,000	2,100	8,900	506	2.9	PACE	---	e, l
	1/25/1995	--	--	--	--	--	28,000	4,200	12,000	1,500	7,800	--	--	ATI	---	d, l
	1/25/1995	--	50.76	21.85	--	28.91	26,000	3,600	9,600	1,200	6,400	--	--	ATI	---	
	4/19/1995	--	--	--	--	--	100,000	12,000	26,000	3,800	21,000	--	--	ATI	---	d
	4/19/1995	--	50.76	19.44	--	31.32	89,000	12,000	24,000	3,500	18,000	--	5.1	ATI	---	
	7/5/1995	--	50.76	20.52	--	30.24	130,000	13,000	29,000	3,300	25,000	--	4.3	ATI	---	
	10/5/1995	--	50.76	24.23	--	26.53	110,000	10,000	23,000	3,600	17,000	34,000	2.1	ATI	---	
	1/12/1996	--	--	--	--	--	40,000	3,500	9,000	1,200	8,700	4,300	--	ATI	---	d
	1/12/1996	--	50.76	25.34	--	25.42	46,000	3,500	8,300	1,100	8,000	3,000	3.3	ATI	---	
	4/22/1996	--	--	--	--	--	61,000	8,300	16,000	1,600	15,200	36,000	--	SPL	---	d
	4/22/1996	--	50.76	19.13	--	31.63	40,000	5,100	9,600	980	11,800	29,000	3.2	SPL	---	
	7/2/1996	--	--	--	--	--	78,000	9,800	21,000	1,900	15,300	42,000	--	SPL	---	d
	7/2/1996	--	50.76	20.67	--	30.09	74,000	9,800	21,000	2,100	16,600	41,000	3.4	SPL	---	
	11/8/1996	--	--	--	--	--	110,000	9,100	20,000	3,000	15,400	39,000	--	SPL	---	d
	11/8/1996	--	50.76	20.95	--	29.81	100,000	7,900	16,000	2,500	13,700	37,000	3.7	SPL	---	
	1/3/1997	--	--	--	--	--	66,000	12,000	19,000	2,900	15,000	69,000	--	SPL	---	d
	1/3/1997	--	50.76	20.54	--	30.22	99,000	17,000	30,000	4,300	22,700	79,000	4.2	SPL	---	
	4/28/1997	--	--	--	--	--	110,000	11,000	26,000	3,200	18,200	34,000	--	SPL	---	d
	4/28/1997	--	50.76	21.28	--	29.48	130,000	12,000	28,000	3,800	21,000	37,000	3.9	SPL	---	
	7/1/1997	--	50.76	23.61	--	27.15	110,000	16,000	25,000	4,900	24,400	37,000	3.6	SPL	---	
	10/2/1997	--	50.76	25.39	--	25.37	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	--	--	--	--	71,000	8,600	8,700	2,900	13,500	84,000	--	SPL	---	d
	10/3/1997	--	50.76	--	--	--	66,000	8,200	8,600	2,700	13,400	80,000	4.4	SPL	---	
	1/9/1998	--	50.76	21.25	--	29.51	100,000	9,700	3,200	1,500	4,700	92,000	3.8	SPL	---	
	5/6/1998	--	--	--	--	--	440,000	8,000	39,000	14,000	70,000	<5000	--	SPL	---	d
	5/6/1998	--	50.76	15.96	--	34.80	430,000	6,900	31,000	11,000	56,000	<5000	3.9	SPL	---	
	7/21/1998	--	--	--	--	--	210,000	11,000	27,000	5,600	26,800	29,000	--	SPL	---	d
	7/21/1998	--	50.76	16.10	--	34.66	250,000	11,000	26,000	5,500	26,900	29,000	3.7	SPL	---	
	12/30/1998	--	50.76	20.91	--	29.85	370,000	11,000	22,000	8,500	40,000	90000/92000	--	SPL	---	j

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments	
MW-4	2/2/1999	--	50.76	20.13	--	30.63	190,000	4,100	19,000	4,800	32,000	28,000	--	SPL	---		
	5/10/1999	--	50.76	16.63	--	34.13	2,700	23	7.1	8.1	25	120	--	SPL	---		
	9/23/1999	--	50.76	22.48	--	28.28	180,000	11,000	29,000	7,000	38,000	12,000	--	SPL	---		
	12/23/1999	--	50.76	22.94	--	27.82	66,000	6,300	5,200	2,200	7,800	35,000	--	PACE	---	k	
	3/27/2000	--	50.76	16.84	--	33.92	120,000	8,700	12,000	3,800	16,000	27,000	--	PACE	---		
	5/22/2000	--	50.76	17.85	--	32.91	110,000	7,600	16,000	4,400	20,000	25,000	--	PACE	---		
	8/31/2000	--	50.76	21.71	--	29.05	110,000	8,800	7,600	3,400	14,000	18,000	--	PACE	---		
	12/11/2000	--	50.76	22.05	--	28.71	70,000	4,580	3,480	2,550	9,220	24,400	--	PACE	---		
	3/20/2001	--	50.76	17.68	--	33.08	100,000	7,100	4,530	2,540	9,370	63,100	--	PACE	---		
	6/19/2001	--	50.76	19.40	--	31.36	180,000	7,430	14,600	5,400	25,300	36,100	--	PACE	---		
	9/20/2001	--	50.76	22.01	0.03	28.75	--	--	--	--	--	--	--	---	---	---	f, m
	12/27/2001	--	50.76	17.96	--	32.80	120,000	6,880	9,030	2,840	14,600	32,300	--	PACE	---		
	2/28/2002	--	50.76	17.06	--	33.70	80,000	4,920	5,450	2,220	12,300	35,900	--	PACE	---		
	6/28/2002	--	50.76	17.76	--	33.00	48,000	2,780	2,770	1,530	6,790	25,100	--	PACE	---		
	9/12/2002	--	50.76	19.45	--	31.31	46,000	4,500	6,800	2,600	10,000	9,100	--	SEQ	6.8		
	12/12/2002	--	50.76	21.29	--	29.47	36,000	5,200	3,400	2,000	6,500	12,000	--	SEQ	6.7		
	3/10/2003	--	50.76	17.16	--	33.60	70,000	7,000	4,800	3,300	13,000	29,000	--	SEQ	6.7		
	5/12/2003	--	50.76	14.51	--	36.25	75,000	7,600	3,700	3,400	13,000	26,000	--	SEQ	6.8		
	8/27/2003	--	50.76	19.32	--	31.44	77,000	7,500	1,300	2,100	4,000	32,000	--	SEQ	6.8	n, s	
	11/10/2003	P	50.76	20.36	--	30.40	110,000	7,100	3,100	2,100	5,800	25,000	--	SEQM	6.6		
02/03/2004	P	50.76	16.51	--	34.25	160,000	8,400	9,700	5,000	23,000	26,000	--	SEQM	6.7			
05/04/2004	P	50.76	16.47	--	34.29	110,000	8,100	7,500	4,300	17,000	<250	--	SEQM	6.7			
08/31/2004	P	50.76	19.16	--	31.60	91,000	6,600	8,400	3,700	14,000	14,000	--	SEQM	6.7			
11/23/2004	P	50.76	18.02	--	32.74	7,400,000	20,000	150,000	320,000	1,400,000	23,000	--	SEQM	6.6	s		
01/18/2005	P	50.76	14.21	--	36.55	170,000	5,400	14,000	6,900	33,000	8,800	--	SEQM	6.5	s		
06/29/2005	P	50.76	13.86	--	36.90	640,000	3,500	25,000	24,000	110,000	1,700	--	SEQM	7.2			
09/01/2005	P	50.76	16.89	--	33.87	100,000	3,800	11,000	4,900	33,000	1,100	--	SEQM	6.7			
MW-6	7/24/1992	--	50.32	30.63	--	19.69	ND	1.6	ND	ND	ND	--	--	---	---		
	7/27/1992	--	50.32	30.63	--	19.69	--	--	--	--	--	--	--	---	---		
	9/15/1992	--	50.32	31.52	--	18.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	---		
	12/15/1992	--	50.32	32.42	--	17.90	58	1.3	<0.5	<0.5	<0.5	--	--	ANA	---		
	3/15/1993	--	50.32	26.29	--	24.03	<50	<0.5	0.6	<0.5	0.7	--	--	PACE	---		
	6/7/1993	--	50.32	26.33	--	23.99	<50	<0.5	<0.5	<0.5	1.5	--	--	PACE	---		
	9/23/1993	--	50.32	29.64	--	20.68	--	--	--	--	--	--	--	---	---		

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-6	9/24/1993	--	50.32	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	28.5	--	PACE	---	l
	12/27/1993	--	50.32	29.75	--	20.57	<50	<0.5	<0.5	<0.5	<0.5	55.4	--	PACE	---	e,l
	4/5/1994	--	50.32	27.26	--	23.06	<50	<0.5	<0.5	<0.5	<0.5	295	1.7	PACE	---	e,l
	7/22/1994	--	50.32	27.34	--	22.98	350	<0.5	<0.5	<0.5	<0.5	419	4.5	PACE	---	e,l
	10/13/1994	--	50.32	--	--	--	--	--	--	--	--	--	--	---	---	g
	1/25/1995	--	50.32	22.16	--	28.16	240	6	<0.5	<0.5	<1	--	--	ATI	---	
	4/19/1995	--	50.32	--	--	--	--	--	--	--	--	--	--	---	---	g
	7/5/1995	--	50.32	20.80	--	29.52	180	<0.50	<0.50	<0.50	<1.0	--	4.9	ATI	---	
	10/5/1995	--	50.32	24.20	--	26.12	860	<5.0	<5.0	<5.0	<10	3,600	2.8	ATI	---	
	1/12/1996	--	50.32	25.30	--	25.02	860	<5.0	<5.0	<5.0	<10	2,800	4.2	ATI	---	
	4/22/1996	--	50.32	19.13	--	31.19	<50	<0.5	<1	<1	<1	470	4.3	SPL	---	
	7/2/1996	--	50.32	20.66	--	29.66	100	<0.5	<1	<1	<1	1,100	4.2	SPL	---	
	11/8/1996	--	50.32	20.98	--	29.34	1,100	<5	<10	<10	<10	1,500	4.3	SPL	---	
	1/3/1997	--	50.32	20.53	--	29.79	<50	<0.5	<1.0	<1.0	<1.0	450	4.5	SPL	---	
	4/28/1997	--	50.32	21.25	--	29.07	1,400	<0.5	<1.0	<1.0	<1.0	3,500	4.4	SPL	---	
	7/1/1997	--	50.32	23.40	--	26.92	6,100	<0.5	<1.0	<1.0	<1.0	9,100	3.9	SPL	---	
	10/2/1997	--	50.32	25.16	--	25.16	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	50.32	--	--	--	330	<0.5	<1.0	<1.0	<1.0	2,600	4.4	SPL	---	
	1/9/1998	--	50.32	21.13	--	29.19	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	---	
	5/6/1998	--	50.32	16.11	--	34.21	410	<0.5	<1.0	<1.0	<1.0	500	3.6	SPL	---	
	7/21/1998	--	50.32	16.33	--	33.99	4,300	<5	<10	<10	<10	3,800	4.0	SPL	---	
	12/30/1998	--	50.32	20.89	--	29.43	--	--	--	--	--	--	--	---	---	
	2/2/1999	--	50.32	20.20	--	30.12	--	--	--	--	--	--	--	---	---	
	5/10/1999	--	50.32	16.75	--	33.57	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	50.32	22.55	--	27.77	<50	<1.0	<1.0	<1.0	<1.0	1,600	--	SPL	---	
	12/23/1999	--	50.32	23.00	--	27.32	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	50.32	16.89	--	33.43	1,700	4.4	0.54	<0.5	1	14,000	--	PACE	---	
	5/22/2000	--	50.32	18.02	--	32.30	--	--	--	--	--	--	--	---	---	
	8/31/2000	--	50.32	21.62	--	28.70	1,200	<0.5	<0.5	<0.5	<0.5	3,900	--	PACE	---	
	12/11/2000	--	50.32	21.81	--	28.51	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	50.32	16.97	--	33.35	3,300	<0.5	<0.5	<0.5	<1.5	3,760	--	PACE	---	
	6/19/2001	--	50.32	19.30	--	31.02	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	50.32	22.00	--	28.32	2,200	2.04	8.1	3.62	13.7	2,460	--	PACE	---	
	12/27/2001	--	50.32	17.85	--	32.47	830	0.59	<0.5	<0.5	<1.0	1,040	--	PACE	---	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments	
MW-6	2/28/2002	--	50.32	16.31	--	34.01	1,100	<0.5	<0.5	<0.5	<1.0	1,450	--	PACE	---		
	6/28/2002	--	50.32	17.57	--	32.75	<50	<0.5	<0.5	<0.5	<1.0	1,020	--	PACE	---		
	9/12/2002	--	50.32	19.27	--	31.05	190	1.9	4.6	1	7.3	480	--	SEQ	7.1		
	12/12/2002	--	50.32	20.94	--	29.38	270	<2.5	<2.5	<2.5	<2.5	500	--	SEQ	6.9		
	3/10/2003	--	50.32	17.11	--	33.21	110	<0.50	<0.50	<0.50	<0.50	190	--	SEQ	7.0		
	5/12/2003	--	50.32	15.18	--	35.14	<50	<0.50	<0.50	<0.50	<0.50	36	--	SEQ	7.0		
	8/27/2003	--	50.32	18.90	--	31.42	<50	<0.50	<0.50	<0.50	<0.50	8.9	--	SEQ	7.0	n	
	11/10/2003	P	50.32	20.13	--	30.19	<50	<0.50	<0.50	<0.50	<0.50	4.5	--	SEQM	6.8		
	02/03/2004	NP	50.32	15.83	--	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9		
	05/04/2004	P	50.32	15.62	--	34.70	<50	<0.50	<0.50	<0.50	<0.50	24	--	SEQM	6.9		
	08/31/2004	P	50.32	18.56	--	31.76	<50	<0.50	<0.50	<0.50	<0.50	27	--	SEQM	7.0		
	11/23/2004	--	50.32	16.95	--	33.37	--	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	50.32	13.61	--	36.71	<50	<0.50	<0.50	<0.50	<0.50	1.3	--	SEQM	6.8		
	06/29/2005	--	50.32	13.55	--	36.77	--	--	--	--	--	--	--	--	--	--	
	09/01/2005	--	50.32	16.52	--	33.80	--	--	--	--	--	--	--	--	--	--	
MW-7	1/25/1995	--	51.4	21.67	--	29.73	<50	<0.5	<0.5	<0.5	<1	--	7.0	ATI	---		
	4/19/1995	--	51.4	25.27	--	26.13	<50	<0.5	<0.5	<0.5	<1	--	5.0	ATI	---		
	7/5/1995	--	51.4	24.63	--	26.77	<50	<0.50	<0.50	<0.50	<1.0	--	4.2	ATI	---		
	10/5/1995	--	51.4	28.21	--	23.19	83	<0.50	<0.50	<0.50	<1.0	77	4.5	ATI	---		
	1/12/1996	--	51.4	29.29	--	22.11	63	<0.50	<0.50	<0.50	<1.0	120	4.8	ATI	---		
	4/22/1996	--	51.4	23.11	--	28.29	<50	<0.5	<1	<1	<1	13	4.8	SPL	---		
	7/2/1996	--	51.4	23.56	--	27.84	<50	<0.5	<1	<1	<1	<10	4.8	SPL	---		
	11/8/1996	--	51.4	20.06	--	31.34	<50	<0.5	<1.0	<1.0	<1.0	<10	5.1	SPL	---		
	1/3/1997	--	51.4	23.42	--	27.98	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	---		
	4/28/1997	--	51.4	24.12	--	27.28	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---		
	7/1/1997	--	51.4	26.40	--	25.00	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	---		
	10/2/1997	--	51.4	28.14	--	23.26	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	---		
	1/9/1998	--	51.4	24.02	--	27.38	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	---		
	5/6/1998	--	51.4	21.00	--	30.40	1,900	<0.5	<1.0	<1.0	<1.0	1,800	3.5	SPL	---		
	7/21/1998	--	51.4	21.17	--	30.23	50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	---		
	12/30/1998	--	51.4	22.13	--	29.27	--	--	--	--	--	--	--	--	--	---	
2/2/1999	--	51.4	22.08	--	29.32	--	--	--	--	--	--	--	--	--	---		
5/10/1999	--	51.4	18.58	--	32.82	--	--	--	--	--	--	--	--	--	---		
9/23/1999	--	51.4	24.29	--	27.11	70	<1.0	<1.0	<1.0	<1.0	4,700	--	SPL	---			

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-7	12/23/1999	--	51.4	24.53	--	26.87	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	51.4	18.58	--	32.82	910	<0.5	<0.5	<0.5	<0.5	2,600	--	PACE	---	
	5/22/2000	--	51.4	19.49	--	31.91	--	--	--	--	--	--	--	---	---	
	8/31/2000	--	51.4	22.53	--	28.87	440	<0.5	<0.5	<0.5	<0.5	900	--	PACE	---	
	12/11/2000	--	51.4	22.75	--	28.65	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	51.4	18.79	--	32.61	1,100	<0.5	<0.5	<0.5	<1.5	1,210	--	PACE	---	
	6/19/2001	--	51.4	19.82	--	31.58	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	51.4	21.35	--	30.05	1,300	1.21	<0.5	<0.5	<1.5	1,550	--	PACE	---	
	12/27/2001	--	51.4	20.36	--	31.04	510	<0.5	<0.5	<0.5	<1.0	643	--	PACE	---	
	2/28/2002	--	51.4	21.86	--	29.54	250	<0.5	<0.5	<0.5	<1.0	317	--	PACE	---	
	6/28/2002	--	51.4	22.64	--	28.76	<50	<0.5	<0.5	<0.5	<1.0	102	--	PACE	---	
	9/12/2002	--	51.4	23.51	--	27.89	<50	<0.5	<0.5	<0.5	1	14	--	SEQ	7.5	
	12/12/2002	--	51.4	23.75	--	27.65	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	SEQ	7.5	
	3/10/2003	--	51.4	21.25	--	30.15	61	<0.50	<0.50	<0.50	<0.50	99	--	SEQ	7.6	
	5/12/2003	--	51.4	21.44	--	29.96	<100	<1.0	<1.0	<1.0	<1.0	120	--	SEQ	7.6	
	8/27/2003	--	51.4	23.30	--	28.10	120	<0.50	<0.50	<0.50	<0.50	84	--	SEQ	7.6	n
	11/10/2003	P	51.40	20.24	--	31.16	230	<1.0	<1.0	<1.0	<1.0	92	--	SEQM	6.7	o
02/03/2004	P	51.40	20.63	--	30.77	<250	<2.5	<2.5	<2.5	<2.5	91	--	SEQM	7.5		
05/04/2004	P	51.40	21.89	--	29.51	<250	<2.5	<2.5	<2.5	<2.5	190	--	SEQM	7.6	k	
08/31/2004	P	51.40	23.16	--	28.24	<500	<5.0	<5.0	<5.0	<5.0	220	--	SEQM	7.3		
11/23/2004	P	51.40	21.65	--	29.75	590	<2.5	5.0	11	51	290	--	SEQM	7.1		
01/18/2005	P	51.40	16.28	--	35.12	<250	<2.5	<2.5	<2.5	2.5	92	--	SEQM	7.3		
06/29/2005	P	51.40	14.50	--	36.90	2,200	43	97	92	390	250	--	SEQM	8.0		
09/01/2005	P	51.40	20.41	--	30.99	<500	<5.0	<5.0	<5.0	<5.0	60	--	SEQM	7.5		
MW-8	1/25/1995	--	50.88	31.59	--	19.29	54	<0.5	<0.5	<0.5	<1	--	7.1	ATI	---	
	4/19/1995	--	50.88	19.18	--	31.70	<50	<0.5	<0.5	<0.5	<1	--	5.1	ATI	---	
	7/5/1995	--	50.88	19.03	--	31.85	<50	<0.50	<0.50	<0.50	<1.0	--	4.5	ATI	---	
	10/5/1995	--	50.88	24.40	--	26.48	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	---	
	1/12/1996	--	50.88	25.51	--	25.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.6	ATI	---	
	4/22/1996	--	50.88	18.00	--	32.88	<50	<0.5	<1	<1	<1	<10	4.8	SPL	---	
	7/2/1996	--	50.88	19.83	--	31.05	<50	<0.5	<1	<1	<1	<10	4.5	SPL	---	
	11/8/1996	--	50.88	20.09	--	30.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	---	
	1/3/1997	--	50.88	19.72	--	31.16	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	---	
4/28/1997	--	50.88	20.44	--	30.44	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	---		

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Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-8	7/1/1997	--	50.88	22.72	--	28.16	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
	10/2/1997	--	50.88	24.51	--	26.37	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
	1/9/1998	--	50.88	21.17	--	29.71	<50	<0.5	<1.0	<1.0	<1.0	<10	3.5	SPL	---	
	5/6/1998	--	50.88	18.34	--	32.54	<50	<0.5	<1.0	<1.0	<1.0	<10	3.6	SPL	---	
	7/21/1998	--	50.88	18.55	--	32.33	90	<0.5	<1.0	<1.0	<1.0	<10	3.3	SPL	---	
	12/30/1998	--	50.88	20.40	--	30.48	--	--	--	--	--	--	--	--	---	
	2/2/1999	--	50.88	19.28	--	31.60	--	--	--	--	--	--	--	--	---	
	5/10/1999	--	50.88	15.62	--	35.26	--	--	--	--	--	--	--	--	---	
	9/23/1999	--	50.88	21.74	--	29.14	--	--	--	--	--	--	--	--	---	
	12/23/1999	--	50.88	22.83	--	28.05	--	--	--	--	--	--	--	--	---	
	3/27/2000	--	50.88	16.25	--	34.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	---	
	5/22/2000	--	50.88	17.06	--	33.82	--	--	--	--	--	--	--	--	---	
	8/31/2000	--	50.88	21.72	--	29.16	--	--	--	--	--	--	--	--	---	
	12/11/2000	--	50.88	22.03	--	28.85	--	--	--	--	--	--	--	--	---	
	3/20/2001	--	50.88	16.23	--	34.65	<50	<0.5	<0.5	<0.5	<1.5	0.991	--	PACE	---	
	6/19/2001	--	50.88	19.35	--	31.53	--	--	--	--	--	--	--	--	---	
	9/20/2001	--	50.88	21.95	--	28.93	--	--	--	--	--	--	--	--	---	
	12/27/2001	--	50.88	16.98	--	33.90	--	--	--	--	--	--	--	--	---	
	2/28/2002	--	50.88	15.38	--	35.50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	---	
	6/28/2002	--	50.88	16.97	--	33.91	--	--	--	--	--	--	--	--	---	
	9/12/2002	--	50.88	19.47	--	31.41	--	--	--	--	--	--	--	--	---	
	12/12/2002	--	50.88	20.84	--	30.04	--	--	--	--	--	--	--	--	---	
	3/10/2003	--	50.88	16.56	--	34.32	<50	<0.50	<0.50	<0.50	<0.50	3	--	SEQ	7.1	
	5/12/2003	--	50.88	13.63	--	37.25	--	--	--	--	--	--	--	--	---	
	8/27/2003	--	50.88	18.90	--	31.98	--	--	--	--	--	--	--	--	---	n
	11/10/2003	--	50.88	19.68	--	31.20	--	--	--	--	--	--	--	--	---	
	02/03/2004	P	50.88	14.76	--	36.12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.5	
	05/04/2004	--	50.88	14.69	--	36.19	--	--	--	--	--	--	--	--	---	
	08/31/2004	--	50.88	18.08	--	32.80	--	--	--	--	--	--	--	--	---	
	11/23/2004	NP	50.88	15.77	--	35.11	--	--	--	--	--	--	--	--	---	
	01/18/2005	P	50.88	12.04	--	38.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	06/29/2005	--	50.88	--	--	--	--	--	--	--	--	--	--	--	---	v
	09/01/2005	--	50.88	16.12	--	34.76	--	--	--	--	--	--	--	--	---	
MW-9	1/25/1995	--	51.05	22.32	--	28.73	<50	<0.5	<0.5	<0.5	<1	--	7.4	ATI	--	

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-9	4/19/1995	--	51.05	19.86	--	31.19	<50	<0.5	<0.5	<0.5	<1	--	5.2	ATI	---	
	7/5/1995	--	51.05	20.78	--	30.27	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	---	
	10/5/1995	--	--	--	--	--	52	<0.50	<0.50	<0.50	<1.0	160	--	ATI	---	d
	10/5/1995	--	51.05	24.33	--	26.72	<50	<0.50	<0.50	<0.50	<1.0	--	2.3	ATI	---	
	1/12/1996	--	51.05	25.44	--	25.61	<50	<0.50	<0.50	<0.50	<1.0	<5.0	3.2	ATI	---	
	4/22/1996	--	51.05	18.01	--	33.04	<50	<0.5	<1	<1	<1	11	3.5	SPL	---	
	7/2/1996	--	51.05	19.70	--	31.35	<50	<0.5	<1	<1	<1	<10	3.3	SPL	---	
	11/8/1996	--	51.05	19.96	--	31.09	<50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	---	
	1/3/1997	--	51.05	19.52	--	31.53	<250	<2.5	<5.0	<5.0	<5.0	<50	4.4	SPL	---	
	4/28/1997	--	51.05	20.22	--	30.83	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	---	
	7/1/1997	--	51.05	22.59	--	28.46	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	10/2/1997	--	51.05	24.33	--	26.72	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	51.05	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	---	
	1/9/1998	--	51.05	21.11	--	29.94	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	5/6/1998	--	51.05	18.26	--	32.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	---	
	7/21/1998	--	51.05	18.46	--	32.59	70	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	---	
	12/30/1998	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	2/2/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	5/10/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	9/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	12/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	3/27/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	5/22/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	8/31/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	12/11/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	3/20/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	6/19/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	9/20/2001	--	51.05	22.20	--	28.85	6,300	2.87	<0.5	<0.5	<1.5	8,640	--	PACE	---	
	12/27/2001	--	51.05	18.92	--	32.13	--	--	--	--	--	--	--	---	---	
	2/28/2002	--	51.05	17.22	--	33.83	19,000	1,560	61.3	84	111	20,200	--	PACE	---	
	6/28/2002	--	51.05	18.20	--	32.85	--	--	--	--	--	--	--	---	---	
	9/12/2002	--	51.05	19.92	--	31.13	5,100	570	180	<25	220	6,400	--	SEQ	6.8	
	12/12/2002	--	51.05	21.78	--	29.27	--	--	--	--	--	--	--	---	---	
	3/10/2003	--	51.05	18.25	--	32.80	26,000	2,500	<100	<100	<100	33,000	--	SEQ	6.9	

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-9	5/12/2003	--	51.05	16.29	--	34.76	--	--	--	--	--	--	--	SEQ	---	
	8/27/2003	--	51.05	19.69	--	31.36	11,000	830	<50	<50	<50	6,300	--	SEQ	7.1	n
	11/10/2003	--	51.05	19.97	--	31.08	--	--	--	--	--	--	--	--	--	
	02/03/2004	P	51.05	17.23	--	33.82	6,200	180	<50	<50	<50	2,100	--	SEQM	7.2	
	05/04/2004	--	51.05	17.17	--	33.88	--	--	--	--	--	--	--	--	--	
	08/31/2004	P	51.05	19.71	--	31.34	<2,500	210	<25	<25	<25	1,500	--	SEQM	7.0	
	11/23/2004	--	51.05	18.58	--	32.47	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	51.05	14.98	--	36.07	490	32	<2.5	<2.5	8.9	130	--	SEQM	6.9	
	06/29/2005	--	51.05	14.74	--	36.31	--	--	--	--	--	--	--	--	--	
09/01/2005	P	51.05	17.42	--	33.63	3,500	1,300	<25	<25	28	240	--	SEQM	6.9		
MW-10	1/9/1998	--	--	20.97	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	---	h
	5/6/1998	--	--	18.07	--	--	800	<0.5	<1.0	<1.0	<1.0	980	3.9	SPL	---	h
	7/21/1998	--	--	18.28	--	--	80	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	---	h
	12/30/1998	--	--	22.22	--	--	--	--	--	--	--	--	--	---	---	h
	2/2/1999	--	--	21.83	--	--	940	<10	<10	<10	<10	690	--	SPL	---	h
	5/10/1999	--	--	17.99	--	--	--	--	--	--	--	--	--	---	---	h
	9/23/1999	--	--	22.61	--	--	<50	<1.0	<1.0	<1.0	1.4	1,000	--	SPL	---	h
	12/23/1999	--	--	23.75	--	--	--	--	--	--	--	--	--	---	---	h
	3/27/2000	--	--	18.83	--	--	1,900	<0.5	<0.5	<0.5	<0.5	28,000	--	PACE	---	h
	5/22/2000	--	--	19.47	--	--	--	--	--	--	--	--	--	---	---	h
	8/31/2000	--	--	22.64	--	--	1,700	<0.5	<0.5	<0.5	<0.5	13,000	--	PACE	---	h
	12/11/2000	--	--	22.84	--	--	--	--	--	--	--	--	--	---	---	h
	3/20/2001	--	--	19.57	--	--	16,000	<0.5	<0.5	<0.5	<1.5	11,900	--	PACE	---	h
	6/19/2001	--	--	20.63	--	--	--	--	--	--	--	--	--	---	---	h
	9/20/2001	--	--	23.07	--	--	5,800	<0.5	<0.5	<0.5	<1.5	8,160	--	PACE	---	h
	12/27/2001	--	--	20.92	--	--	6,600	17.3	14.5	<12.5	<25	7,750	--	PACE	---	h
	2/28/2002	--	--	18.52	--	--	3,600	10.8	<0.5	<0.5	<1.0	5,380	--	PACE	---	h
	6/28/2002	--	--	18.41	--	--	<50	<0.5	<0.5	<0.5	<1.0	2,570	--	PACE	---	h
	9/12/2002	--	--	20.57	--	--	660	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	7.2	h
	12/12/2002	--	--	22.80	--	--	1,400	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	6.9	h
3/10/2003	--	--	19.26	--	--	1,700	<5.0	<5.0	5.3	15	2,800	--	SEQ	6.9	h	
5/12/2003	--	--	17.90	--	--	1,500	<12	<12	<12	<12	2,200	--	SEQ	6.9	h	
8/27/2003	--	--	20.82	--	--	4,100	<25	<25	<25	<25	2,800	--	SEQ	7.0	n, h	
11/10/2003	P	--	--	21.92	--	--	<5,000	<50	<50	<50	<50	3,300	--	SEQM	6.8	

Table 1
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Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-10	02/03/2004	P	--	18.52	--	--	5,100	<50	<50	<50	<50	2,300	--	SEQM	7.0	q
	05/04/2004	P	--	17.63	--	--	<2,500	<25	<25	<25	<25	1,600	--	SEQM	6.8	
	08/31/2004	P	--	20.67	--	--	<5,000	<50	<50	<50	<50	1,900	--	SEQM	7.0	
	11/23/2004	P	--	19.79	--	--	2,600	<25	<25	<25	<25	2,300	--	SEQM	6.8	
	01/18/2005	P	--	16.13	--	--	560	<5.0	<5.0	<5.0	<5.0	530	--	SEQM	6.9	
	06/29/2005	P	--	15.56	--	--	110	1.9	4.6	4.2	17	71	--	SEQM	6.8	
	09/01/2005	P	--	18.10	--	--	<250	<2.5	<2.5	<2.5	<2.5	280	--	SEQM	6.9	
QC-2	9/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	---	i
	12/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	---	i
	3/15/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	---	i, l
	6/7/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	---	i, l
	9/24/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	12/27/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	4/5/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	7/22/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	10/13/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	1/25/1995	--	--	--	--	--	<50	<0.5	2	0.6	1	--	--	ATI	---	i
	4/19/1995	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ATI	---	i
	7/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	---	i
	10/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	---	i
	1/12/1996	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	---	i
4/22/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	---	i	
7/2/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	---	i	

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

ABBREVIATIONS AND SYMBOLS:

< = Not detected at or laboratory reporting limit
— = Not analyzed/applicable/measurable
µg/L = Micrograms per liter
AMA = Anamatrix, Inc.
ATI = Analytical Technologies, Inc.
DO = Dissolved Oxygen - field measurement
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics, C4 to C12
GWE = Groundwater elevation in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Not purged prior to sampling
P = Purged prior to sampling
PACE = Pace, Inc.
pH = pH Level - field measurement
SEQ/SEQM = Sequoia/Sequoia Morgan Hill Analytical
SPL = Southern Petroleum Laboratories
TOC = Top of casing in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline

FOOTNOTES:

c = Concentrations reported as diesel from MW-1, MW-2 and MW-4 are primarily due to the presence of alighter petroleum product, possibly gasoline or kerosene.
d = Blind duplicate
e = A copy of the documentation for this data is included in Appendix C of Alisto report 10-018-05-004.
f = Well not sampled due to presence of free product.
g = Well inaccessible
h = Top of casing not surveyed.
i = Travel blank
j = EPA method by 8020\8260
k = Samples ran outside of EPA recommended hold time.
l = A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2. The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.
m = Thickness of SPH is only an estimate. The resulting groundwater elevation will not be used in contouring.
n = Samples analyzed by EPA Method 8260B for TPH-g, BTEX, and fuel oxygenates
o = Discrete Peak @ C6-C7
q = Discrete Peak @ C5-C6
r = Well dry
s = Sheen in well
t = Depth to water and resulting groundwater elevation is anomalous and not used in groundwater contouring.
u = Anomalously low concentrations reported from Cambria. Do not appear to support historic trends.
v = Unable to locate well

Table 1
Groundwater Elevation and Analytical Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

NOTES:

The data within this table collected prior to June 2002 was provided to URS by RM and their previous consultants. URS has not verified tenaccuracy of this information.

Casing elevations surveyed to the nearest 0.01 foot relative to mean sea level.

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

During the third quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPHg was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Table 2

Fuel Additives Analytical Data

Former BP Station #11117

7210 Bancroft Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
EX-1	05/04/2004	<5,000	<1,000	2,500	<25	<25	38	<25	<25	
	08/31/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	
	11/23/2004	<5,000	<1,000	3,000	<25	<25	74	<25	<25	
	01/18/2005	<5,000	<1,000	2,200	<25	<25	54	<25	<25	a
	06/29/2005	<5,000	<1,000	1,400	<25	<25	30	<25	<25	
	09/01/2005	<5,000	<1,000	2,000	<25	<25	46	<25	<25	
EX-2	05/04/2004	<100	<20	46	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<500	<100	130	<2.5	<2.5	3.4	<2.5	<2.5	
	11/23/2004	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/29/2005	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/01/2005	<100	<20	55	<0.50	<0.50	0.56	<0.50	<0.50	
MW-1	8/27/2003	<100	<20	4.2	<0.50	<0.50	<0.50	--	--	
	11/10/2003	<100	<20	0.51	<0.50	<0.50	<0.50	--	--	
	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-2	8/27/2003	<25,000	<5,000	5,100	<120	<120	140	--	--	
	11/10/2003	<50,000	<10,000	4,200	<250	<250	<250	--	--	
	02/03/2004	<100,000	<20,000	1,900	<500	<500	<500	<500	<500	
	05/04/2004	<50,000	<10,000	2,500	<250	<250	<250	<250	<250	
	08/31/2004	<50,000	<10,000	3,400	<250	<250	<250	<250	<250	
	11/23/2004	<50,000	<10,000	2,400	<250	<250	<250	<250	<250	
	01/18/2005	<20,000	<4,000	3,700	<100	<100	<100	<100	<100	a
	06/29/2005	<10,000	<2,000	3,600	<50	<50	72	<50	<50	
09/01/2005	<20,000	<4,000	5,100	<100	<100	100	<100	<100		
MW-3	8/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-4	8/27/2003	<50,000	<10,000	32,000	<250	<250	250	--	--	

Table 2

Fuel Additives Analytical Data
 Former BP Station #11117
 7210 Bancroft Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-4	11/10/2003	<100,000	<20,000	25,000	<500	<500	<500	--	--	
	02/03/2004	<100,000	<20,000	26,000	<500	<500	<500	<500	<500	
	05/04/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	
	08/31/2004	<50,000	<10,000	14,000	<250	<250	<250	<250	<250	
	11/23/2004	<500,000	<100,000	23,000	<2,500	<2,500	<2,500	<2,500	<2,500	
	01/18/2005	<50,000	<10,000	8,800	<250	<250	<250	<250	<250	a
	06/29/2005	<50,000	<10,000	1,700	<250	<250	<250	<250	<250	
	09/01/2005	<100,000	<20,000	1,100	<500	<500	<500	<500	<500	
MW-6	8/27/2003	<100	<20	8.9	<0.50	<0.50	<0.50	--	--	
	11/10/2003	<100	<20	4.5	<0.50	<0.50	<0.50	--	--	
	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
	05/04/2004	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-7	8/27/2003	<100	<20	84	<0.50	<0.50	<0.50	--	--	
	11/10/2003	<200	<40	92	<1.0	<1.0	<1.0	--	--	
	02/03/2004	<500	<100	91	<2.5	<2.5	<2.5	<2.5	<2.5	
	05/04/2004	<500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	
	08/31/2004	<1,000	<200	220	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/23/2004	<500	<100	290	<2.5	<2.5	<2.5	<2.5	<2.5	
	01/18/2005	<500	<100	92	<2.5	<2.5	<2.5	<2.5	<2.5	a
	06/29/2005	<500	<100	250	<2.5	<2.5	<2.5	<2.5	<2.5	
09/01/2005	<1,000	<200	60	<5.0	<5.0	<5.0	<5.0	<5.0		
MW-8	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-9	8/27/2003	<10,000	<2,000	6,300	<50	<50	<50	--	--	
	02/03/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	a
	08/31/2004	<5,000	<1,000	1,500	<25	<25	<25	<25	<25	
	01/18/2005	<500	150	130	<2.5	<2.5	<2.5	<2.5	<2.5	a
	09/01/2005	<5,000	2,700	240	<25	<25	<25	<25	<25	
MW-10	8/27/2003	<5,000	<1,000	2,800	<25	<25	<25	--	--	
	11/10/2003	<10,000	<2,000	3,300	<50	<50	<50	--	--	

Table 2

Fuel Additives Analytical Data
 Former BP Station #11117
 7210 Bancroft Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-10	02/03/2004	<10,000	<2,000	2,300	<50	<50	<50	<50	<50	a
	05/04/2004	<5,000	<1,000	1,600	<25	<25	<25	<25	<25	
	08/31/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
	11/23/2004	<5,000	<1,000	2,300	<25	<25	<25	<25	<25	
	01/18/2005	<1,000	<200	530	<5.0	<5.0	<5.0	<5.0	<5.0	a
	06/29/2005	<100	<20	71	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/01/2005	<500	<100	280	<2.5	<2.5	<2.5	<2.5	<2.5	

Table 2

Fuel Additives Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

ABBREVIATIONS AND SYMBOLS:

< = Not detected above reported detection limit

1,2-DCA = 1,2-Dichloroethane

µg/L = Micrograms per Liter

DIPE = Di-isopropyl ether

EDB = 1, 2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

FOOTNOTES:

a = The continuing calibration verification for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.

NOTES:

All volatile organic compounds (Ethanol, TBA, MTBE, DIPE, ETBE, and TAME) analyzed using EPA Method 8260B.

Table 3

Groundwater Gradient Data
Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
9/12/2002	Northeast	0.03
12/12/2002	Northeast	0.02
3/10/2003	Northeast	0.03
5/12/2003	North-Northeast	0.055
8/27/2003	North-Northeast	0.036
11/10/2003	North-Northeast	0.012
2/3/2004	Northeast	0.013
5/4/2004	Northeast	0.015
8/31/2004	Northeast	0.010
11/23/2004	North-Northeast	0.04
1/18/2005	Northeast	0.02
6/29/2005	Variable	0.003, 0.006
9/1/2005	North	0.03

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 # 050901-BAS Date 9/1/05 Client #1117

Site 7210 Bancroft, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC		
MW-1	2					15.79	36.93	TOC	60	
MW-2	2	pressure				17.00	39.48			
MW-3	2					16.00	40.63		60	
MW-4	2					16.89	39.68			
MW-6	2					16.52	39.52		60	
MW-7	2	pressure				20.41	44.82			
MW-8	2					16.12	39.57		60	
MW-9	2					17.42	39.00			
MW-10	2					18.10	35.77			
EX-1	4		No SPH Detected			17.22	37.84			✓SAH
EX-2	4		No SPH Detected			17.28	35.08		↘	✓SPH

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>050901-BA3</u>	Station # <u>11117</u>
Sampler: <u>DW</u>	Date: <u>9/1/05</u>
Well I.D.: <u>EX-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>37.84</u>	Depth to Water: <u>17.22</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Positive Air Displacement</u> <u>Electric Submersible</u> <u>Extraction Pump</u> Other: <u> </u>	Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> <u>Extraction Port</u> Other: <u> </u>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

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.

<u>13.5</u>	x	<u>3</u>	=	<u>40.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>1637</u>	<u>74.0</u>	<u>6.7</u>	<u>750</u>	<u>13.5</u>	<u>odor</u>
<u>1640</u>	<u>73.4</u>	<u>6.7</u>	<u>781</u>	<u>27.0</u>	<u>"</u>
<u>1643</u>	<u>72.7</u>	<u>6.7</u>	<u>807</u>	<u>40.5</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 40.5

Sampling Time: 1648 Sampling Date: 9/1/05

Sample I.D.: EX-1 Laboratory: Pace Sequoia Other

Analyzed for: GRS STEA MTBE DRO Oxy's 1,2-DCA EDs Ethanol Other:

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050901-2A3	Station # 1117
Sampler: Brian Alcom	Date: 9/1/05
Well I.D.: EX-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 35.08	Depth to Water: 17.28
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 Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Positive Air Displacement Extraction Port
 Electric Submersible 2" Redi Flow Other: _____
 Extraction Pump

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.

11.6	x	3	=	34.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or (S))	Gals. Removed	Observations
1623	73.3	7.1	452	12.0	clear
1626	71.4	7.0	452	24.0	"
1629	71.1	7.0	450	36.0	"

Did well dewater? Yes No Gallons actually evacuated: 36

Sampling Time: 1630 Sampling Date: 9/1/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) (2-DCA) (EDB) Ethanol Other: _____

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050901-BA3	Station # 11117
Sampler: Brian Alcorn	Date: 9/1/05
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8
Total Well Depth: 39.48	Depth to Water: 17.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer <u>Positive Air Displacement</u> Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer <u>Disposable Bailer</u> Extraction Port Other: _____
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Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.6	x	3	=	10.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1550	72.2	6.8	650	3.75	clear, odor
1554	72.1	6.9	639	7.5	" "
1600	72.7	7.0	637	11.25	" "

Did well dewater? Yes No Gallons actually evacuated: 11.25

Sampling Time: 1600 Sampling Date: 9/1/05

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

Analyzed for: GRO BTEX MTBE DRO Oxy's 2-DCA EDB Ethanol Other: _____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050901-BA3	Station # 1117
Sampler: Barbara Dave W.	Date: 9/1/05
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 39.68	Depth to Water: 16.89
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer Extraction Port Other: _____
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Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

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

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1613	74.0	6.9	878	3.7	
1617	73.0	6.8	894	7.4	
1621	72.3	6.7	893	11.1	

Did well dewater? Yes No Gallons actually evacuated: 11.1

Sampling Time: 1625 Sampling Date: 9/1/05

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

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) (1,2-DCA) (EDB) (Ethanol) 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:

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050901-BA3	Station # 11117
Sampler: Brian Alcom	Date: 9/1/05
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 44.82	Depth to Water: 20.41
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 Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Positive Air Displacement Extraction Port

Electric Submersible Other: _____

Extraction Pump

Other: _____

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

3.9	x	3	=	11.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1453	72.7	7.4	491	4.0	cloudy gray
1459	72.1	7.5	524	8.0	clear
1503	71.9	7.5	459	12.0	"

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Time: 1505 Sampling Date: 9/1/05

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

Analyzed for: (GRO) (STEX) MTBE DRO (Oxy's) (1,2-DC) (EDs) (Ethanol) 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:

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050901-BA3	Station # 11117
Sampler: Brian Alcom	Date: 9/1/05
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth: 39.00	Depth to Water: 17.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer Extraction Port Other: _____
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Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1407	73.3	6.7	728	3.5	cloudy, gray, odor
1410	70.9	6.9	624	7.0	" "
1414	71.1	6.9	615	10.5	" "

Did well dewater? Yes No Gallons actually evacuated: 10.5

Sampling Time: 1415 Sampling Date: 9/1/05

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

Analyzed for: (GRO) (TEX) MTBE DRO (PYS) (T.DCA) (EDB) (Ethanol) 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
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ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050901-BA3	Station # 11117
Sampler: Brian Alcom	Date: 9/1/05
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8
Total Well Depth: 35.77	Depth to Water: 18.10
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer Extraction Port Other: _____
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Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1522	73.0	7.0	1,133	3.0	cloudy brown
1526	73.4	6.9	1,173	6.0	"
1530	73.4	6.9	1,168	9.0	"

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 9
Sampling Time: 1532	Sampling Date: 9/1/05
Sample I.D.: MW-10	Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRX) (BTEX) MTBE DRO (Oxy's) (1,2-DC) (EDB) (Ethanol) 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

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 PLAINE 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:

11117

Station #

7210 Bancroft, Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. _____
rinse water _____

any other adjustments _____

TOTAL GALS. RECOVERED 140

loaded onto BTS vehicle # 64

BTS event #


time date

050901-BA3

1715

9/1/05

signature



REC'D AT

time

date

unloaded by signature _____

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

21 September, 2005

Lynelle Onishi
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11117, Oakland, CA
Work Order: MOI0089

Enclosed are the results of analyses for samples received by the laboratory on 09/02/05 14:02. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race For Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210



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

Project:BP Heritage #11117,Oakland, CA
Project Number:G07TK-0017
Project Manager:Lynelle Onishi

MOI0089
Reported:
09/21/05 18:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MOI0089-01	Water	09/01/05 16:00	09/02/05 14:02
MW-4	MOI0089-02	Water	09/01/05 16:25	09/02/05 14:02
MW-7	MOI0089-03	Water	09/01/05 15:05	09/02/05 14:02
MW-9	MOI0089-04	Water	09/01/05 14:15	09/02/05 14:02
MW-10	MOI0089-05	Water	09/01/05 15:32	09/02/05 14:02
EX-1	MOI0089-06	Water	09/01/05 16:48	09/02/05 14:02
EX-2	MOI0089-07	Water	09/01/05 16:30	09/02/05 14:02
TB-11117-09012005	MOI0089-08	Water	09/01/05 12:30	09/02/05 14:02

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 no custody seals.



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 1333 Broadway, Suite 800
 Oakland CA, 94612

Project: BP Heritage #11117, Oakland, CA
 Project Number: G07TK-0017
 Project Manager: Lynelle Onishi

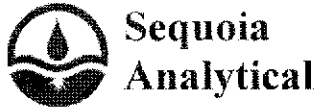
MOI0089
 Reported:
 09/21/05 18:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MOI0089-01) Water Sampled: 09/01/05 16:00 Received: 09/02/05 14:02									
tert-Amyl methyl ether	100	100	ug/l	200	5114044	09/14/05	09/15/05	EPA 8260B	
Benzene	6300	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	3300	100	"	"	"	"	"	"	
Methyl tert-butyl ether	5100	100	"	"	"	"	"	"	
Toluene	6000	100	"	"	"	"	"	"	
Xylenes (total)	15000	100	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	58000	10000	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		70 %		60-135	"	"	"	"	
MW-4 (MOI0089-02) Water Sampled: 09/01/05 16:25 Received: 09/02/05 14:02									
tert-Amyl methyl ether	ND	500	ug/l	1000	5114044	09/14/05	09/15/05	EPA 8260B	
Benzene	3800	500	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20000	"	"	"	"	"	"	
Di-isopropyl ether	ND	500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	500	"	"	"	"	"	"	
Ethanol	ND	100000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	500	"	"	"	"	"	"	
Ethylbenzene	4900	500	"	"	"	"	"	"	
Methyl tert-butyl ether	1100	500	"	"	"	"	"	"	
Toluene	11000	500	"	"	"	"	"	"	
Xylenes (total)	33000	500	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	100000	50000	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		68 %		60-135	"	"	"	"	

Sequoia Analytical - Morgan Hill

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Oakland CA, 94612

Project: BP Heritage #11117, Oakland, CA
Project Number: G07TK-0017
Project Manager: Lynelle Onishi

MOI0089
Reported:
09/21/05 18:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MOI0089-03) Water Sampled: 09/01/05 15:05 Received: 09/02/05 14:02									
tert-Amyl methyl ether	ND	5.0	ug/l	10	5114044	09/14/05	09/15/05	EPA 8260B	
Benzene	ND	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	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	60	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		66 %	60-135	"	"	"	"	"	
MW-9 (MOI0089-04) Water Sampled: 09/01/05 14:15 Received: 09/02/05 14:02									
tert-Amyl methyl ether	ND	25	ug/l	50	5114044	09/14/05	09/15/05	EPA 8260B	
Benzene	1300	25	"	"	"	"	"	"	
tert-Butyl alcohol	2700	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Methyl tert-butyl ether	240	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	28	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	3500	2500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		66 %	60-135	"	"	"	"	"	

Sequoia Analytical - Morgan Hill

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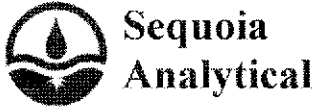
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11117, Oakland, CA
Project Number: G07TK-0017
Project Manager: Lynelle Onishi

MOI0089
Reported:
09/21/05 18:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MOI0089-05) Water Sampled: 09/01/05 15:32 Received: 09/02/05 14:02									
tert-Amyl methyl ether	ND	2.5	ug/l	5	5114044	09/14/05	09/15/05	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	280	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		66 %	60-135		"	"	"	"	
EX-1 (MOI0089-06) Water Sampled: 09/01/05 16:48 Received: 09/02/05 14:02									
tert-Amyl methyl ether	46	25	ug/l	50	5114044	09/14/05	09/15/05	EPA 8260B	
Benzene	2000	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	400	25	"	"	"	"	"	"	
Methyl tert-butyl ether	2000	25	"	"	"	"	"	"	
Toluene	94	25	"	"	"	"	"	"	
Xylenes (total)	870	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	7900	2500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		69 %	60-135		"	"	"	"	



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 Oakland CA, 94612

Project:BP Heritage #11117,Oakland, CA
 Project Number:G07TK-0017
 Project Manager:Lynelle Onishi

MOI0089
 Reported:
 09/21/05 18:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EX-2 (MOI0089-07) Water Sampled: 09/01/05 16:30 Received: 09/02/05 14:02									
tert-Amyl methyl ether	0.56	0.50	ug/l	1	5114044	09/14/05	09/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	55	0.50	"	"	"	"	"	"	
Toluene	1.4	0.50	"	"	"	"	"	"	
Xylenes (total)	1.4	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		68 %		60-135	"	"	"	"	



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MOI0089
Reported:
09/21/05 18:24

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5114044 - EPA 5030B P/T / EPA 8260B

Blank (5114044-BLK1)

Prepared & Analyzed: 09/14/05

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>1.70</i>		<i>"</i>	<i>2.50</i>		<i>68</i>	<i>60-135</i>			

Laboratory Control Sample (5114044-BS1)

Prepared & Analyzed: 09/14/05

tert-Amyl methyl ether	14.2	0.50	ug/l	15.0		95	80-115			
Benzene	5.28	0.50	"	5.16		102	65-115			
tert-Butyl alcohol	135	20	"	143		94	75-150			
Di-isopropyl ether	15.3	0.50	"	15.1		101	75-125			
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.8		111	85-120			
1,2-Dichloroethane	12.8	0.50	"	14.7		87	85-130			
Ethanol	111	100	"	141		79	70-135			
Ethyl tert-butyl ether	14.3	0.50	"	15.0		95	75-130			
Ethylbenzene	7.63	0.50	"	7.54		101	75-135			
Methyl tert-butyl ether	6.83	0.50	"	7.02		97	65-125			
Toluene	38.2	0.50	"	37.2		103	85-120			
Xylenes (total)	44.5	0.50	"	41.4		107	85-125			
Gasoline Range Organics (C4-C12)	488	50	"	440		111	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>1.69</i>		<i>"</i>	<i>2.50</i>		<i>68</i>	<i>60-135</i>			

Sequoia Analytical - Morgan Hill

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

Project: BP Heritage #11117, Oakland, CA
Project Number: G07TK-0017
Project Manager: Lynelle Onishi

MOI0089
Reported:
09/21/05 18:24

**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 5114044 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5114044-MS1)	Source: MOI0089-06			Prepared: 09/14/05		Analyzed: 09/15/05				
tert-Amyl methyl ether	754	25	ug/l	752	46	94	80-115			
Benzene	2260	25	"	258	2000	101	65-115			
tert-Butyl alcohol	8040	1000	"	7150	240	109	75-120			
Di-isopropyl ether	755	25	"	757	ND	100	75-125			
1,2-Dibromoethane (EDB)	804	25	"	742	ND	108	85-120			
1,2-Dichloroethane	634	25	"	736	ND	86	85-130			
Ethanol	6990	5000	"	7070	ND	99	70-135			
Ethyl tert-butyl ether	704	25	"	751	ND	94	75-130			
Ethylbenzene	800	25	"	377	400	106	75-135			
Methyl tert-butyl ether	2450	25	"	351	2000	128	65-125			BB,LM
Toluene	1970	25	"	1860	94	101	85-120			
Xylenes (total)	3150	25	"	2070	870	110	85-125			
Gasoline Range Organics (C4-C12)	33100	2500	"	22000	7900	115	70-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>1.71</i>		<i>"</i>	<i>2.50</i>		<i>68</i>	<i>60-135</i>			
Matrix Spike Dup (5114044-MSD1)	Source: MOI0089-06			Prepared: 09/14/05		Analyzed: 09/15/05				
tert-Amyl methyl ether	747	25	ug/l	752	46	93	80-115	0.9	15	
Benzene	2190	25	"	258	2000	74	65-115	3	20	
tert-Butyl alcohol	7340	1000	"	7150	240	99	75-120	9	25	
Di-isopropyl ether	730	25	"	757	ND	96	75-125	3	15	
1,2-Dibromoethane (EDB)	809	25	"	742	ND	109	85-120	0.6	15	
1,2-Dichloroethane	618	25	"	736	ND	84	85-130	3	20	LN
Ethanol	6190	5000	"	7070	ND	88	70-135	12	35	
Ethyl tert-butyl ether	694	25	"	751	ND	92	75-130	1	25	
Ethylbenzene	780	25	"	377	400	101	75-135	3	15	
Methyl tert-butyl ether	2470	25	"	351	2000	134	65-125	0.8	20	BB,LM
Toluene	1890	25	"	1860	94	97	85-120	4	20	
Xylenes (total)	2990	25	"	2070	870	102	85-125	5	20	
Gasoline Range Organics (C4-C12)	31800	2500	"	22000	7900	109	70-124	4	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>1.72</i>		<i>"</i>	<i>2.50</i>		<i>69</i>	<i>60-135</i>			



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

Project:BP Heritage #11117,Oakland, CA
Project Number:G07TK-0017
Project Manager:Lynelle Onishi

MOI0089
Reported:
09/21/05 18:24

Notes and Definitions

LN MS and/or MSD below acceptance limits. See Blank Spike(LCS).
BB,LM Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
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: Analytical for QMR sampling
 BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11117 > Historical/BL
 State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Francisco Bay Area
 Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: <u>1230</u>	Temp: <u>85</u>
Off-site Time: <u>1715</u>	Temp: <u>85</u>
Sky Conditions: <u>clear</u>	
Meteorological Events:	
Wind Speed: <u> </u>	Direction: <u> </u>

Lab Name: <u>Sequoia</u>	BP/AR Facility No.: <u>11117</u>	Consultant/Contractor: <u>URS</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95037</u>	BP/AR Facility Address: <u>7210 Bancroft Ave., Oakland, CA 94605</u>	Address: <u>1333 Broadway, Suite 800</u> <u>Oakland, CA 94612</u>
Lab PM: <u>Lisa Race / Jamshid Kekobad</u>	Site Lat/Long: <u>37.766285 / -122.176</u>	Consultant/Contractor Project No.: <u>38487127</u>
Tele/Fax: <u>408.782.8156 / 408.782.6308</u>	California Global ID No.: <u>T0600100201</u>	Consultant/Contractor PM: <u>Lynelle Onishi</u>
BP/AR PM Contact: <u>Kyle Christie</u>	Enfos Project No.: <u>G07TK-0017</u>	Tele/Fax: <u>510.874.1758 / 510.874.3268</u>
Address: <u>4 Centerpointe Dr.</u> <u>La Palma, CA 90623</u>	Provision or RCOP: <u>Provision</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>(714) 670-5303 / (714) 670-5195</u>	Phase/WBS: <u>04 - Mon/Remed by Natural Attenuation</u>	E-mail EDD To: <u>Donna.Cospet@urscorp.com</u>
	Sub Phase/Task: <u>03 - Analytical</u>	Invoice to: <u>Atlantic Richfield Company</u>
	Cost Element: <u>05 - Subcontracted Costs</u>	

Lab Bottle Order No: <u>11117</u>				Matrix			Preservative					Requested Analysis					Sample Point-Lat/Long and Comments	
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRX / BTEX (8260)	MIBX, TAME, BTEX DIFE, TEA (8260)	EDX, 1,2-DCA (8260)		Ethanol (8260)
1	MW-2	1600	9/1	X			01	3				X		X	X	X	X	
2	MW-4	1625		X			02	3				X		X	X	X	X	
3	MW-7	1505		X			07	3				X		X	X	X	X	
4	MW-9	1415		X			04	3				X		X	X	X	X	
5	MW-10	1532		X			01	3				X		X	X	X	X	
6	EX-1	1648		X			04	3				X		X	X	X	X	
7	EX-2	1630		X			07	3				X		X	X	X	X	
8	TE-1117- 092005 <u>0912005</u>	1230		X			08	2				X						ON HOLD
9																		
10																		

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<u>Brian Alcorn</u>	<u>[Signature]</u>	<u>9/1/05</u>	<u>1815</u>	<u>[Signature]</u>	<u>9/1/05</u>	<u>1815</u>
<u>Blaine Tech Services</u>	<u>[Signature]</u>	<u>9/2/05</u>	<u>1042</u>	<u>[Signature]</u>	<u>9/2/05</u>	<u>1042</u>
Shipment Date:	<u>[Signature]</u>	<u>9/1/05</u>	<u>1402</u>	<u>[Signature]</u>	<u>9/2/05</u>	<u>1402</u>
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt FIC Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
 REC. BY (PRINT) E. Fallin
 WORKORDER: 1010089

DATE REC'D AT LAB: 9-2-05
 TIME REC'D AT LAB: 1402
 DATE LOGGED IN: 9-3-05

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

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 / <input checked="" type="checkbox"/> Absent Intact / Broken*	01	AE	MW-2	VOG (3)	HCl	-	L	9/1/05	
2. Chain-of-Custody	<input checked="" type="checkbox"/> Present / Absent*	02		MW-4						
3. Traffic Reports or Packing List:	Present / <input checked="" type="checkbox"/> Absent	03		MW-7						
4. Airbill:	Airbill / Sticker Present / <input checked="" type="checkbox"/> Absent	04		MW-9						
5. Airbill #:		05		MW-10						
6. Sample Labels:	<input checked="" type="checkbox"/> Present / Absent	06		EX-1						
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody	07		EX-2						
8. Sample Condition:	Intact / Broken* / Leaking*	08	AE	TB-11117-09 012005	VOG (2)					
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No* <input checked="" type="checkbox"/> Yes									
10. Sample received within hold time?	Yes / No* <input checked="" type="checkbox"/> Yes									
11. Adequate sample volume received?	Yes / No* <input checked="" type="checkbox"/> Yes									
12. Proper preservatives used?	Yes / No* <input checked="" type="checkbox"/> Yes									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No* <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
14. Read Temp: <u>5.0°C</u> Corrected Temp: <u>5.0°C</u> Is corrected temp 4 +/- 2°C? <input checked="" type="checkbox"/> Yes / No**										
<small>(Acceptance range for samples requiring thermal pres.)</small>										
<small>**Exception (if any): METALS / DFF ONLY or Problem COC</small>										

E.F. 9/2/05

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

ATTACHMENT C

**ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL
CONFIRMATIONS**

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SUCCESSFUL GEO_WELL CHECK - NO ERRORS

<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	10/11/2005 2:05:25 PM

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UPLOADING A GEO_WELL FILE

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Submittal Title: 3Q 2005 BP/ARCO 11117
GEOWELL

Submittal Date/Time: 10/11/2005 2:06:07 PM

**Confirmation
Number:** 3883604288

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SUCCESSFUL EDF CHECK - NO ERRORS

<u>ORGANIZATION NAME:</u>	URS Corporation-Oakland Office
<u>USER NAME:</u>	URSCORP-OAKLAND
<u>DATE CHECKED:</u>	10/5/2005 4:17:31 PM
<u>GLOBAL ID:</u>	T0600100201
<u>FILE UPLOADED:</u>	BP#11117-EDF-MOI0089.zip

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BP 7210 BANCROFT AVE OAKLAND, CA 94605	Regional Board - Case #: 01-0215 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 3960 ALAMEDA COUNTY LOP - (RWS)
----------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

- SURROGATE SPIKE		Y
WATER SAMPLES FOR 8021/8260 SERIES		
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%		Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%		Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%		N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%		Y
SOIL SAMPLES FOR 8021/8260 SERIES		
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%		n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%		n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%		n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%		n/a
FIELD QC SAMPLES		
<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Confirmation Number: 3699907302
Date/Time of Submittal: 10/5/2005 4:25:39 PM
Facility Global ID: T0600100201
Facility Name: BP
Submittal Title: 3Q05 QMR EDF BP/ARCO 11117
Submittal Type: GW Monitoring Report

Click [here](#) to view the detections report for this upload.

BP 7210 BANCROFT AVE OAKLAND, CA 94605	Regional Board - Case #: 01-0215 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 3960 ALAMEDA COUNTY LOP - (RWS)
-----------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

CONF #	TITLE	QUARTER
3699907302	3Q05 QMR EDF BP/ARCO 11117	Q3 2005
SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/5/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	7
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	5
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

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- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
---------------------------------------------------------------------	---

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

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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