Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, California 94583
Phone: (925) 275-3801
Fax: (925) 275-3815

17 October 2006

Re: Third Quarter 2006 Ground-Water Monitoring Report
Former BP Service Station # 11102
100 MacArthur Boulevard
Oakland, California
ACEH Case #RO0000456

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

Submitted by:

Paul Supple
Environmental Business Manager

Third Quarter 2006 Ground-Water Monitoring Report
Former BP Service Station #11102
100 MacArthur Boulevard
Oakland, California

Prepared for

Mr. Paul Supple
Environmental Business Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

1324 Mangrove Avenue, Suite 212
Chico, California 95926
(530) 566-1400
www.broadbentinc.com

27 October 2006

Project No. 06-08-643

Broadbent & Associates, Inc.
1324 Mangrove Ave., Suite 212
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BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

17 October 2006 Project No. 06-08-643

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Third Quarter 2006 Ground-Water Monitoring Report, Former BP Service Station #11102, 100 MacArthur Boulevard, Alameda County, Oakland, California.
ACEH Case #RO0000456.

Dear Mr. Supple:

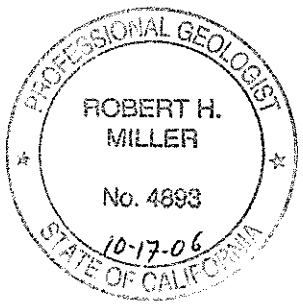
Attached is the *Third Quarter 2006 Ground-Water Monitoring Report* for Former BP Service Station #11102 (herein referred to as Station #11102) located at 100 MacArthur Boulevard, Oakland, Alameda County, California (Property). This report presents a summary of results from ground-water monitoring conducted during the Third Quarter of 2006.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus
Senior Engineer, P.E.



Robert H. Miller, P.G., C.HG.
Principal Hydrogeologist

Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site)
Ms. Shelby Lathrop, ConocoPhillips (submitted via WebXtender)
Mr. Chris Jimmerson, Reimbursement Processor, Delta Environmental Consulting Inc., (Submitted via ENFOS)

STATION #11102 QUARTERLY GROUND-WATER MONITORING REPORT

Facility: #11102 Address:	100 MacArthur Boulevard, Oakland, California
Environmental Business Manager:	Mr. Paul Supple
Consulting Co./Contact Persons:	Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus, (530) 566-1400
Consultant Project No.:	06-08-643
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000456

WORK PERFORMED THIS QUARTER (Third Quarter 2006):

1. Prepared and submitted Second Quarter 2006 Ground-Water Monitoring Report. Work performed by BAI.
2. Repaired MW-2 well vault and conducted ground-water monitoring/sampling for Third Quarter 2006. Work performed by URS.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2006):

1. Prepared and submitted this Third Quarter 2006 Ground-Water Monitoring Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for Fourth Quarter 2006. Work to be completed by Stratus Environmental, Inc.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	**Ground-water monitoring/sampling**
Frequency of ground-water sampling:	**Wells MW-1 through MW-3: Quarterly**
Frequency of ground-water monitoring:	**Wells MW-1 through MW-3: Quarterly**
Is free product (FP) present on-site:	**No**
Current remediation techniques:	**NA**
Depth to ground water (below TOC):	**8.57 (MW-1) to 10.47 (MW-2) feet on 26 July 2006**
General ground-water flow direction:	**Southwest**
Approximate hydraulic gradient:	**0.05 Feet per foot**

DISCUSSION:

Two sampling events were conducted during Third Quarter 2006. On 17 July 2006, URS conducted quarterly monitoring and sampling at the Site. However, well MW-2 was inaccessible due to bent bolts on the well vault. BAI became aware that this had been reported in the First and Second Quarters of 2006 but not repaired. Therefore, BAI instructed URS to discard the samples collected on 17 July 2006 (MW-1 and MW-3 only), repair MW-2's well head, and re-monitor/resample the three wells. Water levels measurements were collected from the three wells on 26 July 2006. Depths to water ranged from 8.57 ft (MW-1) to 10.47 ft (MW-2), within the historic minimum and maximum range at the Site, as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient on 26 July 2006 of 0.05 ft/ft to the southwest. Ground-water elevation contours are shown over a map of the Site in Drawing 1.

As mentioned above, samples were collected from MW-1 and MW-3 on 17 July 2006, and MW-1, MW-2, and MW-3 on 26 July 2006. No other irregularities were encountered during sampling. Samples were submitted under chain of custody documentation to Test America Analytical Testing

Corporation (Morgan Hill, California), for analysis of Gasoline Range Organics (GRO, C4-C12), fuel additives and oxygenates by EPA Method 8260B. Although BAI directed URS to discard the samples collected on 17 July 2006, the samples had already been submitted to and analyzed by the laboratory. No irregularities were encountered during analyses of the 17 July 2006 samples from MW-1 and MW-3, with the exception that the GRO concentration result for sample MW-3 was partly due to an individual peak(s) in the quantitation range. Similarly, no irregularities were encountered during analyses of the 26 July 2006 samples from the three wells, with the exception that the GRO concentration of MW-2 was partly due to an individual peak(s) in the quantitation range. These notes are called out in the laboratory analytical reports. Copies of the both laboratory analytical reports, including chain of custody documentation, are provided in Appendix A. Results of laboratory analyses from both sample sets are reported in Table 1 and Table 2.

For the 17 July 2006 sampling event, GRO were detected above the laboratory reporting limit in MW-3 only at a concentration of 910 µg/L. Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX) were not detected at or above the laboratory reporting limits in the two wells sampled. Methyl tert-butyl ether (MTBE) was detected above the laboratory reporting limit in the two wells sampled with concentrations of 5.5 µg/L in MW-1 and 1,400 µg/L in MW-3. Tert-Butyl alcohol (TBA) was detected at a concentration of 32 µg/L in MW-1. Tert-Amyl methyl ether (TAME) was detected at a concentration of 15 µg/L in MW-3. No other fuel oxygenates or additives were detected at or above their respective laboratory reporting limits in the two wells sampled.

For the 26 July 2006 sampling event, GRO were detected above the laboratory reporting limit in two of the three wells sampled: GRO was detected in wells MW-2 and MW-3 at concentrations of 2,700 micrograms per liter (µg/L) and 810 µg/L, respectively. BTEX constituents were not detected at or above the laboratory reporting limits in the three wells sampled. MTBE was detected above the laboratory reporting limit in the three wells sampled with concentrations of 4.4 µg/L in MW-1, 2,900 µg/L in MW-2, and 1,300 µg/L in MW-3. TBA was detected at concentrations of 22 µg/L in MW-1 and 4,500 µg/L in MW-2. TAME was detected at a concentration of 18 µg/L in MW-3. No other fuel oxygenates or additives were detected at or above their respective laboratory reporting limits in the three wells sampled.

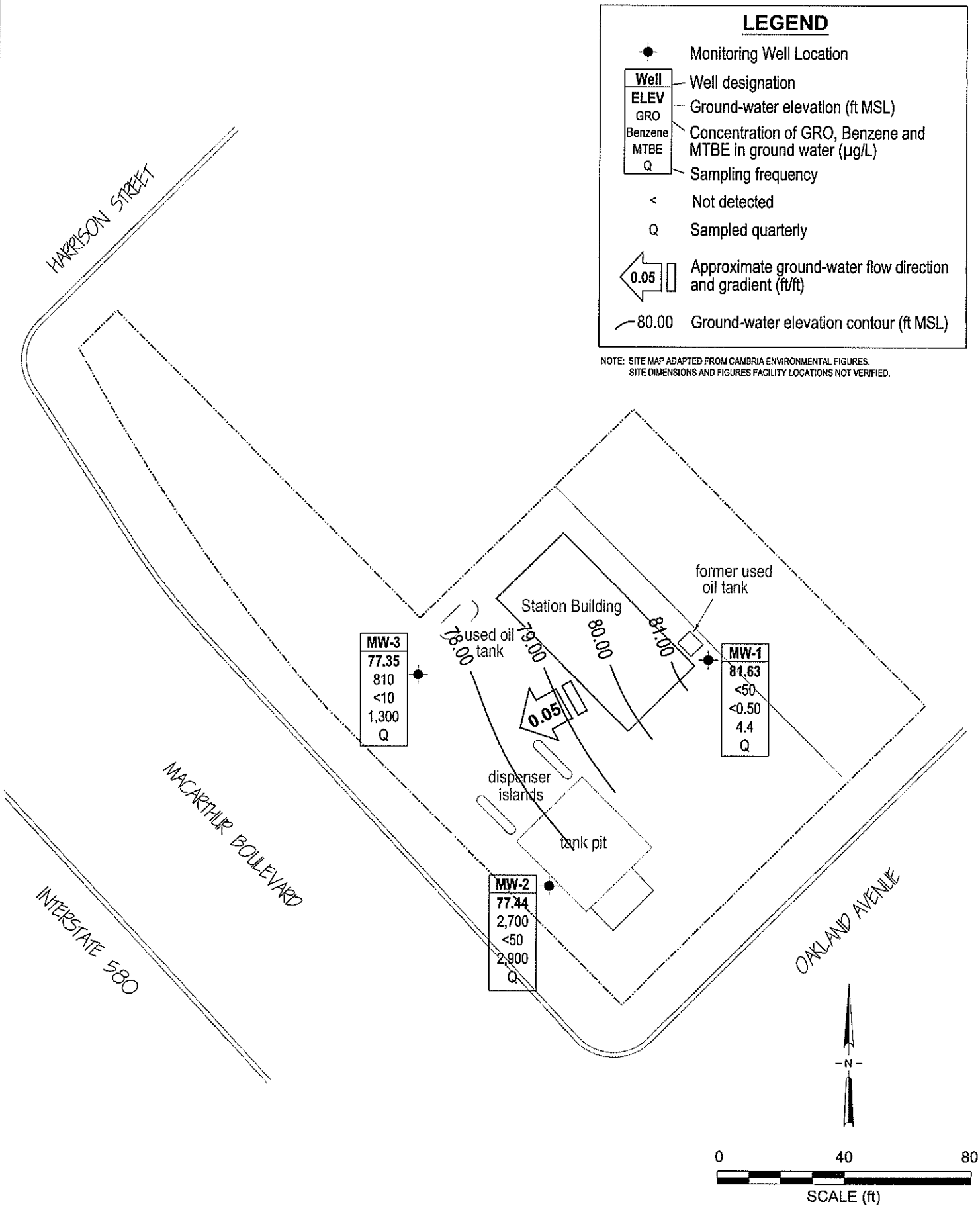
CLOSURE:

The findings presented in this report are based upon: observations of URS field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Test America (Morgan Hill, California). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

Drawing 1. Ground-Water Elevation Contour and Analytical Summary Map, 26 July 2006, Former Station #11102, 100 MacArthur Boulevard, Oakland, California

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11102, 100 MacArthur Blvd., Oakland, CA



BROADBENT & ASSOCIATES, INC. ENGINEERING, WATER RESOURCES & ENVIRONMENTAL 1324 Mangrove Ave. Suite 212, Chico, California Project No.: 06-08-643 Date: 09/06/06	Former Station #11102 100 MacArthur Boulevard Oakland, California	Ground-Water Elevation Contour and Analytical Summary Map 26 July 2006

Drawing
1

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-1																		
11/4/1989	--		90.20	13.21	--	76.99	<500	3.4	0.6	<0.3	<0.3	--	--	SAL	--	<50	<5000	--
11/11/1989	--		90.20	13.32	--	76.88	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1990	--		90.20	12.46	--	77.74	820	64	1.9	23	34	--	--	ANA	--	--	--	--
7/30/1990	--		90.20	12.92	--	77.28	190	11	<5.0	<5.0	<5.0	--	--	ANA	--	<50	<5000	--
11/20/1990	--		90.20	14.08	--	76.12	50	2.4	<0.3	<0.3	<0.3	--	--	SAL	--	79	<5000	--
3/1/1991	--		90.20	13.61	--	76.59	<100	0.9	<0.3	<0.3	0.3	--	--	SAL	--	<1000	14,000	--
8/19/1991	--		90.20	15.74	--	74.46	370	35	0.73	6.4	5.6	--	--	SEQ	--	<50	<5000	--
11/13/1991	--		90.20	14.08	--	76.12	60	0.68	<0.3	<0.3	<0.3	--	--	SEQ	--	<50	<5000	--
2/24/1992	--		90.20	12.52	--	77.68	140	3.9	0.66	1.2	3.8	--	--	SEQ	--	100	<5000	--
5/19/1992	--		90.20	11.8	--	78.4	4,200	440	21	250	37	--	--	SEQ	--	910	<5000	--
6/17/1992	--		90.20	12.01	--	78.19	4,000	350	14	150	17	--	--	SEQ	--	560	<5000	--
7/22/1992	--		90.20	12.42	--	77.78	4,000	<5.0	19	210	61	--	--	ANA	--	--	--	--
8/14/1992	--		90.20	12.75	--	77.45	2,400	330	20	150	47	--	--	SEQ	--	1,700	<5000	--
11/11/1992	--		90.20	13.69	--	76.51	260	30	3.4	7.6	6.8	--	--	ANA	--	92	<5000	--
6/7/1993	--	c	90.20	--	--	--	3,700	120	12	26	9.5	--	--	PACE	--	--	--	--
6/7/1993	--		90.20	10.93	--	79.27	3,400	98	11	21	7.6	--	--	PACE	--	440	--	--
12/2/1993	--		90.20	12.72	--	77.48	1,100	8.3	3.6	0.6	1.5	--	--	PACE	--	120	<5000	--
6/22/1994	--	c, d	90.20	--	--	--	2,100	30	3.2	2	15	2,000	--	PACE	--	--	--	--
6/22/1994	--	d	90.20	11.81	--	78.39	2,100	32	3.8	2.2	17	4,000	3.2	PACE	--	<50	<5000	--
1/10/1995	--		90.20	10.97	--	79.23	<500	120	<5	<5	<10	--	3.9	ATI	--	420	--	--
1/10/1995	--	c	90.20	--	--	--	<500	120	<5	5	<10	--	--	ATI	--	--	--	--
6/21/1995	--	c, e	90.20	--	--	--	3,600	<13	<5.0	<5.0	<10	--	--	ATI	--	--	--	--
6/21/1995	--		90.20	9.38	--	80.82	4,700	16	<5.0	<5.0	<10	--	6.7	ATI	--	1,300	2,900	0.6
12/27/1995	--		90.20	11.55	--	78.65	430	<2.5	<2.5	<2.5	<5.0	1,200	6.3	ATI	--	2,100	640	--
6/13/1996	--		90.20	9.28	--	80.92	3,200	51	<12	<12	<12	4,000	6.3	SPL	--	920	2,000	--
12/4/1996	--	f	90.20	11.91	--	78.29	1,400	6.2	<5	<5	<5	2,600	6.7	SPL	--	280	2,000	6
6/10/1997	--	c	90.20	--	--	--	7,700	14	<25	<25	<25	13,000	--	SPL	--	--	--	--
6/10/1997	--		90.20	8.97	--	81.23	7,900	12	<10	<10	<10	15,000	6	SPL	--	1,700	<5	ND
12/12/1997	--		90.20	11.37	--	78.83	440	8.8	<1.0	2.6	9.4	6,700	5.5	SPL	--	760	1,200	ND
6/18/1998	--		90.20	8.02	--	82.18	7,500	<2.5	<5.0	<5.0	<5.0	5,600	4.9	SPL	--	2,900	<5	ND
3/9/1999	--		90.20	9.8	--	80.4	32,000	100	16	72	110	49,000	--	SPL	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-1 Cont.																		
9/28/1999	--		90.20	10.78	--	79.42	1,000	<5.0	<5.0	<5.0	<5.0	730	--	SPL	--	--	--	<1.0
10/14/1999	--		90.20	10.84	--	79.36	--	--	--	--	--	--	--	SPL	--	660	--	--
3/27/2000	--		90.20	9.83	--	80.37	4,300	160	19	37	43	28,000	--	PACE	--	--	--	--
9/28/2000	--		90.20	11.33	--	78.87	2,700	10	2.6	1.1	2.7	28,000	--	PACE	--	--	--	--
3/8/2001	--		90.20	10.96	--	79.24	8,200	23.5	6.09	5.23	8.97	11,600	--	PACE	--	--	--	--
9/21/2001	--		90.20	12.07	--	78.13	6,000	37.9	<0.5	<0.5	<1.5	7,370	--	PACE	--	--	--	--
2/28/2002	--		90.20	10.48	--	79.72	6,400	60.8	<5.0	6.43	<10	7,750	--	PACE	--	--	--	--
9/6/2002	--		90.20	11.2	--	79	1,400	<5.0	<5.0	<5.0	<5.0	6,000	--	SEQ	--	--	--	--
2/19/2003	--	h	90.20	11.29	--	78.91	<10000	<100	110	<100	<100	4,500	--	SEQ	--	--	--	--
7/14/2003	--		90.20	11.18	--	79.02	710	11	<10	<10	<10	940	--	SEQ	--	--	--	--
01/14/2004	--		90.20	11.74	--	78.46	<500	<5.0	<5.0	<5.0	<5.0	220	--	SEQM	6.6	--	--	--
04/23/2004	P	l	90.20	11.95	--	78.25	470	3.4	<2.5	<2.5	<2.5	150	--	SEQM	6.7	--	--	--
07/01/2004	P		90.20	11.52	--	78.68	360	<2.5	<2.5	<2.5	<2.5	96	--	SEQM	6.0	--	--	--
10/28/2004	P		90.20	12.56	--	77.64	390	0.94	<0.50	<0.50	<0.50	43	--	SEQM	6.2	--	--	--
01/10/2005	P		90.20	11.85	--	78.35	490	17	<2.5	5.8	5.4	85	--	SEQM	7.6	--	--	--
04/13/2005	P		90.20	10.00	--	80.20	1,000	27	<2.5	<2.5	25	48	--	SEQM	6.6	--	--	--
07/11/2005	P		90.20	9.27	--	80.93	180	<0.50	<0.50	<0.50	<0.50	36	--	SEQM	7.7	--	--	--
10/17/2005	P		90.20	10.96	--	79.24	140	<0.50	<0.50	<0.50	<0.50	20	--	SEQM	8.0	--	--	--
01/17/2006	P		90.20	10.81	--	79.39	120	0.64	<0.50	<0.50	0.56	38	--	SEQM	6.5	--	--	--
04/21/2006	P	m	90.20	9.28	--	80.92	410	1.4	1.0	<0.50	<0.50	17	--	SEQM	6.5	--	--	--
7/17/2006	--		90.20	9.25	--	80.95	<50	<0.50	<0.50	<0.50	<0.50	5.5	--	TAMC	7.7	--	--	--
7/26/2006	**--**		**90.20**	**8.57**	**--**	**81.63**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**4.4**	**--**	**TAMC**	**6.6**	**--**	**--**	**--**
MW-2																		
11/4/1989	--		87.91	15.84	--	72.07	<500	6.5	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
11/11/1989	--		87.91	14.75	--	73.16	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1990	--		87.91	15.25	--	72.66	<500	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
7/30/1990	--		87.91	15.59	--	72.32	61	6.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
11/20/1990	--		87.91	17.81	--	70.1	<50	0.3	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
3/1/1991	--		87.91	17.11	--	70.8	<100	0.4	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
8/19/1991	--		87.91	17.97	--	69.94	<30	<0.3	<0.3	<0.3	<0.3	--	--	SEQ	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
11/13/1991	--		87.91	16.76	--	71.15	38	0.32	<0.3	<0.3	<0.3	--	--	SEQ	--	--	--	--
2/24/1992	--		87.91	15.07	--	72.84	<50	<0.5	<0.5	<0.5	0.58	--	--	SEQ	--	--	--	--
5/19/1992	--		87.91	14.7	--	73.21	<50	0.55	<0.5	<0.5	<0.5	--	--	SEQ	--	--	--	--
7/22/1992	--		87.91	15.6	--	72.31	90	1.3	0.6	0.9	1.9	--	--	ANA	--	--	--	--
8/14/1992	--		87.91	15.88	--	72.03	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1992	--		87.91	16.19	--	71.72	52	2.8	<0.5	<0.5	0.9	--	--	ANA	--	--	--	--
11/11/1992	--	c	87.91	--	--	--	65	3.2	<0.5	<0.5	1	--	--	ANA	--	--	--	--
6/7/1993	--		87.91	14.42	--	73.49	1,200	14	2.8	1.9	1.71	--	--	PACE	--	--	--	--
12/2/1993	--	c, d	87.91	--	--	--	2,100	32	3.8	2.2	17	3,700	--	PACE	--	--	--	--
12/2/1993	--	d	87.91	14.94	--	72.97	790	3.4	0.5	10	<0.5	3,700	--	PACE	--	--	--	--
6/22/1994	--	d	87.91	14.25	--	73.66	110	<0.5	<0.5	<0.5	<0.5	120	3.9	PACE	--	--	--	--
1/10/1995	--		87.91	13.64	--	74.27	<50	<0.5	<0.5	0.6	1	--	4.3	ATI	--	--	--	--
6/21/1995	--		87.91	11.66	--	76.25	4,700	<10	<10	<10	<20	--	7.8	ATI	--	--	--	--
12/27/1995	--		87.91	13.11	--	74.8	6,100	<25	<25	<25	<50	20,000	6.7	ATI	--	--	--	--
12/27/1995	--	c	87.91	--	--	--	6,300	<25	<25	<25	<50	19,000	--	ATI	--	--	--	--
6/13/1996	--		87.91	10.86	--	77.05	8,300	<2.5	<2.5	<2.5	<2.5	13,000	6.5	SPL	--	--	--	--
6/13/1996	--	c	87.91	--	--	--	8,700	<5	<5	<5	<5	13,000	--	SPL	--	--	--	--
12/4/1996	--		87.91	13.03	--	74.88	5,900	<2.5	<5	<5	<5	11,000	6.3	SPL	--	--	--	--
12/4/1996	--	c	87.91	--	--	--	5,900	<2.5	<5	<5	<5	11,000	--	SPL	--	--	--	--
6/10/1997	--		87.91	10.04	--	77.87	<50	<0.5	<1.0	<1.0	<1.0	<10	5.8	SPL	--	--	--	--
12/12/1997	--		87.91	12.44	--	75.47	<50	<0.5	<1.0	<1.0	<1.0	<10	5.7	SPL	--	--	--	--
6/18/1998	--	c	87.91	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	--	--	--
6/18/1998	--		87.91	8.89	--	79.02	50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	--	--	--
3/9/1999	--		87.91	10.2	--	77.71	15,000	<5.0	<5.0	<5.0	<5.0	23,000	--	SPL	--	--	--	--
9/28/1999	--		87.91	11.81	--	76.1	36,000	<5.0	12	7	26	35,000	--	SPL	--	--	--	<5.0
10/14/1999	--		87.91	10.27	--	77.64	--	--	--	--	--	--	--	SPL	--	100	--	--
3/27/2000	--		87.91	9.98	--	77.93	1,300	<0.5	<0.5	0.51	<0.5	5,800	--	PACE	--	--	--	--
9/28/2000	--		87.91	11.4	--	76.51	1,600	1.8	1.7	0.54	2.2	15,000	--	PACE	--	--	--	--
3/8/2001	--		87.91	11.16	--	76.75	20,000	<0.5	<0.5	<0.5	<0.5	29,100	--	PACE	--	--	--	--
9/21/2001	--		87.91	11.65	--	76.26	5,000	<0.5	<0.5	<0.5	<1.5	6,110	--	PACE	--	--	--	--
2/28/2002	--		87.91	9.86	--	78.05	3,200	35.1	<0.5	<0.5	<1.0	4,620	--	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
9/6/2002	--		87.91	12.32	--	75.59	1,900	<10	<10	<10	<10	15,000	--	SEQ	--	--	--	--
2/19/2003	--	h	87.91	11.63	--	76.28	45,000	<250	<250	<250	<250	32,000	--	SEQ	--	--	--	--
7/14/2003	--		87.91	12.07	--	75.84	9,300	<500	<500	<500	<500	24,000	--	SEQ	--	--	--	--
01/14/2004	P		87.91	11.45	--	76.46	<50,000	<500	<500	<500	<500	21,000	--	SEQM	6.9	--	--	--
04/23/2004	P	l	87.91	11.45	--	76.46	5,100	<250	<250	<250	<250	22,000	--	SEQM	6.8	--	--	--
07/01/2004	P		87.91	12.32	--	75.59	<5,000	<50	<50	<50	<50	5,200	--	SEQM	5.6	--	--	--
10/28/2004	P		87.91	13.02	--	74.89	8,500	<50	<50	<50	<50	6,800	--	SEQM	6.2	--	--	--
01/10/2005	P		87.91	14.38	--	73.53	<25,000	<250	<250	<250	<250	7,100	--	SEQM	7.6	--	--	--
04/13/2005	P		87.91	14.03	--	73.88	<5,000	<50	<50	<50	<50	5,300	--	SEQM	6.6	--	--	--
07/11/2005	P		87.91	11.25	--	76.66	<5,000	<50	<50	<50	<50	5,300	--	SEQM	7.5	--	--	--
10/17/2005	P		87.91	12.48	--	75.43	<5,000	<50	<50	<50	<50	2,500	--	SEQM	8.2	--	--	--
01/17/2006	P		87.91	10.70	--	77.21	<5,000	<50	<50	<50	<50	2,200	--	SEQM	7.0	--	--	--
04/21/2006	--	n	87.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7/26/2006	**--**	**k**	**87.91**	**10.47**	**--**	**77.44**	**2,700**	**<50**	**<50**	**<50**	**<50**	**2,900**	**--**	**TAMC**	**6.69**	**--**	**--**	**--**
MW-3																		
11/4/1989	--		87.02	15.4	--	71.62	<500	<0.3	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
11/11/1989	--		87.02	14.1	--	72.92	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1990	--		87.02	13.9	--	73.12	<100	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
7/30/1990	--		87.02	13.77	--	73.25	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	<5000	--
11/20/1990	--		87.02	14.67	--	72.35	<50	0.3	0.8	0.4	1.5	--	--	SAL	--	--	--	--
3/1/1991	--		87.02	15.22	--	71.8	<100	0.4	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
8/19/1991	--		87.02	13.15	--	73.87	<30	<0.3	<0.3	<0.3	<0.3	--	--	SEQ	--	--	--	--
11/13/1991	--		87.02	15.66	--	71.36	<30	<0.3	<0.3	<0.3	<0.3	--	--	SEQ	--	--	--	--
2/24/1992	--		87.02	15.01	--	72.01	<50	0.65	1.4	0.66	4.4	--	--	SEQ	--	--	--	--
5/19/1992	--		87.02	15.52	--	71.5	<50	<0.5	<0.5	<0.5	<0.5	--	--	SEQ	--	--	--	--
7/22/1992	--		87.02	15.63	--	71.39	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	<50	<5000	--
8/14/1992	--		87.02	13.57	--	73.45	--	--	--	--	--	--	--	--	--	--	--	--
11/11/1992	--		87.02	14.13	--	72.89	<50	<0.5	0.7	<0.5	1.3	--	--	ANA	--	--	--	--
6/7/1993	--		87.02	12.13	--	74.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
12/2/1993	--		87.02	13.29	--	73.73	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
6/22/1994	--		87.02	12.78	--	74.24	<50	<0.5	<0.5	<0.5	<0.5	--	2.9	PACE	--	--	--	--
1/10/1995	--		87.02	12.01	--	75.01	<50	<0.5	<0.5	<0.5	<1	--	3.8	ATI	--	--	--	--
6/21/1995	--		87.02	11.57	--	75.45	<50	<0.50	<0.50	<0.50	<1.0	--	7.4	ATI	--	--	--	--
12/27/1995	--		87.02	13.47	--	73.55	<50	<0.50	<0.50	<0.50	<1.0	5.7	7.3	ATI	--	--	--	--
6/13/1996	--		87.02	11.22	--	75.8	60	<0.5	<0.5	<0.5	<0.5	<10	6.8	SPL	--	--	--	--
12/4/1996	--		87.02	13.28	--	73.74	<50	<0.5	<1	<1	<1	<10	6.7	SPL	--	--	--	--
6/10/1997	--		87.02	10.22	--	76.8	<50	<0.5	<1.0	<1.0	<1.0	<10	6.1	SPL	--	--	--	--
12/12/1997	--	c	87.02	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	--	--	--
12/12/1997	--		87.02	12.61	--	74.41	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	--	--	--
6/18/1998	--		87.02	12.8	--	74.22	--	--	--	--	--	--	--	--	--	--	--	--
6/18/1998	--		87.02	9.07	--	77.95	50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	--	--	--
9/28/1999	--		87.02	13.76	--	73.26	--	--	--	--	--	--	--	--	--	--	--	--
3/27/2000	--		87.02	13.77	--	73.25	<50	<0.5	<0.5	<0.5	<0.5	1.6	--	PACE	--	--	--	--
9/28/2000	--		87.02	11.28	--	75.74	<50	<0.5	7.4	<0.5	1.3	2	--	PACE	--	--	--	--
3/8/2001	--		87.02	11.75	--	75.27	<50	<0.5	<0.5	<0.5	<0.5	60.4	--	PACE	--	--	--	--
9/21/2001	--		87.02	11.33	--	75.69	<50	<0.5	<0.5	<0.5	<1.5	8.18	--	PACE	--	--	--	--
2/28/2002	--		87.02	10.86	--	76.16	<50	<0.5	<0.5	<0.5	<1.0	25.5	--	PACE	--	--	--	--
9/6/2002	--		87.02	12.73	--	74.29	<50	1.2	<0.5	<0.5	1	16	--	SEQ	--	--	--	--
2/19/2003	--	h	87.02	11.72	--	75.3	<500	<5.0	<5.0	<5.0	<5.0	110	--	SEQ	--	--	--	--
7/14/2003	--		87.02	13.76	--	73.26	<50	<0.50	<0.50	<0.50	0.67	28	--	SEQ	--	--	--	--
01/14/2004	P		87.02	14.83	--	72.19	550	<5.0	<5.0	<5.0	<5.0	380	--	SEQM	8.1	--	--	--
04/23/2004	P	l	87.02	13.17	--	73.85	<200	<25	<25	<25	<25	560	--	SEQM	6.8	--	--	--
07/01/2004	P		87.02	15.19	--	71.83	<50	<0.50	<0.50	<0.50	0.50	48	--	SEQM	6.4	--	--	--
10/28/2004	P		87.02	15.50	--	71.52	<500	<5.0	<5.0	<5.0	<5.0	290	--	SEQM	6.3	--	--	--
01/10/2005	P		87.02	15.00	--	72.02	<50	<0.50	<0.50	<0.50	<0.50	18	--	SEQM	7.6	--	--	--
04/13/2005	P		87.02	14.34	--	72.68	<50	<0.50	<0.50	<0.50	<0.50	9.0	--	SEQM	7.1	--	--	--
07/11/2005	P	k	87.02	10.82	--	76.20	130	<1.0	<1.0	<1.0	<1.0	120	--	SEQM	7.8	--	--	--
10/17/2005	P		87.02	11.84	--	75.18	<250	<2.5	<2.5	<2.5	<2.5	260	--	SEQM	8.5	--	--	--
01/17/2006	P		87.02	11.59	--	75.43	800	<5.0	<5.0	<5.0	<5.0	980	--	SEQM	7.2	--	--	--
04/21/2006	P		87.02	10.00	--	77.02	<500	<5.0	<5.0	<5.0	<5.0	48	--	SEQM	6.7	--	--	--
7/17/2006	P	k	87.02	10.80	--	76.22	910	<5.0	<5.0	<5.0	<5.0	1,400	--	TAMC	7.7	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/ TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
7/26/2006	**P**		**87.02**	**9.67**	**--**	**77.35**	**810**	**<10**	**<10**	**<10**	**<10**	**1,300**	**--**	**TAMC**	**6.56**	**--**	**--**	**--**
QC-2																		
11/11/1992	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
6/7/1993	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
12/2/1993	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
6/22/1994	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
1/10/1995	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	--	--	--	--
6/21/1995	--	g	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
12/27/1995	--	g	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
6/13/1996	--	g	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<10	--	SPL	--	--	--	--

ABBREVIATIONS & SYMBOLS:
--/--- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved oxygen
DRO = Diesel range organics
DTW = Depth to water in ft bgs
ft bgs = feet below ground surface
ft MSL = feet above mean sea level
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft MSL
HVOC = Halogenated volatile organic compounds
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing measured in ft MSL
TOG = Total oil and grease
TPH-d = Total petroleum hydrocarbons as diesel
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter
ANA = Anametrix, Inc.
PACE = Pace, Inc.
ATI = Analytical Technologies, Inc.
SAL = Superior Analytical Laboratory
SPL = Southern Petroleum Laboratories
SEQ/SEQM = Sequoia Analytical/Sequoia Analytical - Morgan Hill (Laboratories)

FOOTNOTES:
c = Blind duplicate.
d = A copy of the documentation for this data is included in Appendix C of Alisto report 10-076-06-002.
e = Tetrachloroethene
f = trans-1,2-Dichloroethene
g = Travel blank.
h = TPH-g, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and MTBE analyzed by EPA Method 8260B beginning on 1st quarter sampling event (2/19/03).
k = The hydrocarbon result was partly due to individual peaks in the quantification range (GRO).
l = GRO analyzed by EPA Method 8015B.
m = Confirmatory analysis for total xylenes was past holding time.
n = Well inaccessible.

NOTES:
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g 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 the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Values for pH and DO were obtained through field measurements.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 2. Summary of Fuel Additives Analytical Data

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
7/14/2003	<2000	2,700	940	<20	<20	<20	--	--	
01/14/2004	<1,000	2,500	220	<5.0	<5.0	<5.0	<5.0	<5.0	
04/23/2004	<500	2,500	150	<2.5	<2.5	<2.5	<2.5	<2.5	
07/01/2004	<500	2,000	96	<2.5	<2.5	<2.5	<2.5	<2.5	
10/28/2004	<5.0	1,500	43	<0.50	<0.50	0.58	<0.50	<0.50	
01/10/2005	<500	1,900	85	<2.5	<2.5	<2.5	<2.5	<2.5	
04/13/2005	<500	1,400	48	<2.5	<2.5	<2.5	<2.5	<2.5	
07/11/2005	<100	550	36	<0.50	<0.50	<0.50	<0.50	<0.50	
10/17/2005	<100	450	20	<0.50	<0.50	<0.50	<0.50	<0.50	a
01/17/2006	<300	260	38	<0.50	<0.50	0.54	<0.50	<0.50	
04/21/2006	<300	320	17	<0.50	<0.50	<0.50	<0.50	<0.50	
7/17/2006	<300	32	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	
7/26/2006	**<300**	**22**	**4.4**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-2									
7/14/2003	<100000	<20000	24,000	<1000	<1000	<1000	--	--	
01/14/2004	<100,000	<20,000	21,000	<500	<500	<500	<500	<500	
04/23/2004	<50,000	11,000	22,000	<250	<250	420	<250	<250	
07/01/2004	<10,000	2,900	5,200	<50	<50	110	<50	<50	
10/28/2004	<5.0	6,700	6,800	<50	<50	120	<50	<50	
01/10/2005	<50,000	<10,000	7,100	<250	<250	<250	<250	<250	
04/13/2005	<10,000	5,300	5,300	<50	<50	95	<50	<50	
07/11/2005	<10,000	9,000	5,300	<50	<50	99	<50	<50	
10/17/2005	<10,000	5,200	2,500	<50	<50	<50	<50	<50	a
01/17/2006	<30,000	8,400	2,200	<50	<50	<50	<50	<50	
04/21/2006	--	--	--	--	--	--	--	--	Well inaccessible
7/26/2006	**<30,000**	**4,500**	**2,900**	**<50**	**<50**	**<50**	**<50**	**<50**	
MW-3									
7/14/2003	<100	<20	28	<1.0	<1.0	<1.0	--	--	
01/14/2004	<1,000	<200	380	<5.0	<5.0	<5.0	<5.0	<5.0	
04/23/2004	<5,000	<1,000	560	<25	<25	<25	<25	<25	

Table 2. Summary of Fuel Additives Analytical Data

Station #11102, 100 MacArthur Blvd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
07/01/2004	<100	<20	48	<0.50	<0.50	0.52	<0.50	<0.50	
10/28/2004	<5.0	<200	290	<5.0	<5.0	<5.0	<5.0	<5.0	
01/10/2005	<100	<20	18	<0.50	<0.50	<0.50	<0.50	<0.50	
04/13/2005	<100	<20	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	
07/11/2005	<200	<40	120	<1.0	<1.0	1.4	<1.0	<1.0	a
10/17/2005	<500	<100	260	<2.5	<2.5	4.2	<2.5	<2.5	a
01/17/2006	<3,000	200	980	<5.0	<5.0	13	<5.0	<5.0	
04/21/2006	<3,000	<200	48	<5.0	<5.0	<5.0	<5.0	<5.0	
7/17/2006	<3,000	<200	1,400	<5.0	<5.0	15	<5.0	<5.0	
7/26/2006	**<6,000**	**<400**	**1,400**	**<10**	**<10**	**18**	**<10**	**<10**	

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
1,2-DCA = 1,2-Dichloroethane
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
µg/L = Micrograms per Liter

FOOTNOTES:
a = The calibration verification for ethanol was within the method limits but outside the contract limits.

NOTES:
All volatile organic compounds were analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

APPENDIX A

URS GROUND-WATER SAMPLING DATA PACKAGE (INCLUDES LABORATORY REPORT AND CHAIN OF CUSTODY DOCUMENTATION, FIELD AND LABORATORY PROCEDURES, AND FIELD DATA SHEETS)

URS

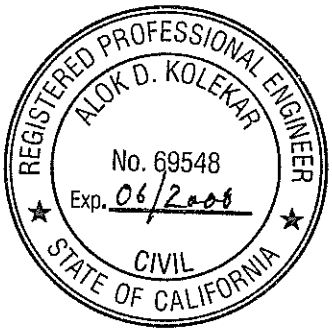
August 18, 2006

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Groundwater Sampling Data Package
Former BP Service Station #11102
100 MacArthur Boulevard
Oakland, CA
Field Work Performed: 07/17/06 & 07/26/06

General Information
Data Submittal Prepared/Reviewed by: Alok Kolekar
Phone Number: 510-874-3152
On-Site Supplier Representative: Blaine Tech
Scope of Work Performed: Groundwater Monitoring in accordance with 3rd Quarter 2006 protocols as identified in the Quarterly Monitoring Program Table in the Field and Laboratory Procedures Attachment.
Variations from Work Scope: The technician could not open well box of well MW-2 on 07/17/06. Therefore, this well was not gauged or sampled.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include, at a minimum, sampling procedures, field data collected, laboratory results, chain of custody documentation, and waste management activities. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.



Alok D. Kolekar, P.E.
Project Manager

cc: Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

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

URS

Attachments

Field and Laboratory Procedures
Laboratory Report
Chain of Custody Documentation
Field Data Sheets
    Well Gauging Data
    Well Monitoring Data Sheets

FIELD & LABORATORY 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.

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.

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2 August, 2006

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

RE: BP Heritage #11102, Oakland, CA
Work Order: MPG0564

Enclosed are the results of analyses for samples received by the laboratory on 07/18/06 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG0564
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MPG0564-01	Water	07/17/06 14:45	07/18/06 16:40
MW-3	MPG0564-02	Water	07/17/06 15:10	07/18/06 16:40
TB-11102-07172006	MPG0564-03	Water	07/17/06 00:00	07/18/06 16:40

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	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MPG0564-01) Water Sampled: 07/17/06 14:45 Received: 07/18/06 16:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6G21002	07/21/06	07/21/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
MW-3 (MPG0564-02) Water Sampled: 07/17/06 15:10 Received: 07/18/06 16:40									
Gasoline Range Organics (C4-C12)	**910**	500	ug/l	10	6G21002	07/21/06	07/21/06	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-145*		"	"	"	"	

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Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MPG0564-01) Water Sampled: 07/17/06 14:45 Received: 07/18/06 16:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6G21002	07/21/06	07/21/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**32**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.5**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*70-130*		"	"	"	"	
MW-3 (MPG0564-02) Water Sampled: 07/17/06 15:10 Received: 07/18/06 16:40									
tert-Amyl methyl ether	**15**	5.0	ug/l	10	6G21002	07/21/06	07/21/06	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	3000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*60-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*87 %*	*70-130*		"	"	"	"	

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Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MPG0564-02RE1) Water	**Sampled: 07/17/06 15:10**	**Received: 07/18/06 16:40**							
Methyl tert-butyl ether	**1400**	25	ug/l	50	6G25002	07/25/06	07/26/06	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82 %*	*60-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*70-130*		"	"	"	"	

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Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G21002 - EPA 5030B P/T / LUFT GCMS										
Blank (6G21002-BLK1)				Prepared & Analyzed: 07/21/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-145*			
Laboratory Control Sample (6G21002-BS1)				Prepared & Analyzed: 07/21/06						
Gasoline Range Organics (C4-C12)	816	50	ug/l	700		117	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Laboratory Control Sample (6G21002-BS2)				Prepared & Analyzed: 07/21/06						
Gasoline Range Organics (C4-C12)	453	50	ug/l	440		103	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.36*		"	*2.50*		*94*	*60-145*			
Matrix Spike (6G21002-MS1)	**Source: MPG0564-02**			Prepared & Analyzed: 07/21/06						
Gasoline Range Organics (C4-C12)	8560	500	ug/l	7000	910	109	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-145*			
Matrix Spike Dup (6G21002-MSD1)	**Source: MPG0564-02**			Prepared & Analyzed: 07/21/06						
Gasoline Range Organics (C4-C12)	8500	500	ug/l	7000	910	108	75-140	0.7	20	
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-145*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G21002 - EPA 5030B P/T / EPA 8260B										
Blank (6G21002-BLK1)				Prepared & Analyzed: 07/21/06						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
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	"							
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-115*			
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-130*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*70-130*			
Laboratory Control Sample (6G21002-BS1)				Prepared & Analyzed: 07/21/06						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	65-135			
Benzene	9.34	0.50	"	10.0		93	70-125			
tert-Butyl alcohol	218	20	"	200		109	60-135			
Di-isopropyl ether	11.1	0.50	"	10.0		111	70-130			
1,2-Dibromoethane (EDB)	10.9	0.50	"	10.0		109	85-125			
1,2-Dichloroethane	10.3	0.50	"	10.0		103	75-125			
Ethanol	217	300	"	200		108	15-150			
Ethyl tert-butyl ether	10.8	0.50	"	10.0		108	65-130			
Ethylbenzene	9.30	0.50	"	10.0		93	80-130			
Methyl tert-butyl ether	10.7	0.50	"	10.0		107	50-140			
Toluene	9.68	0.50	"	10.0		97	70-120			
Xylenes (total)	28.0	0.50	"	30.0		93	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.54*		"	*2.50*		*102*	*60-115*			
Surrogate: Dibromofluoromethane	*2.44*		"	*2.50*		*98*	*75-130*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*70-130*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G21002 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6G21002-MS1)	**Source: MPG0564-02**			Prepared & Analyzed: 07/21/06						
tert-Amyl methyl ether	132	5.0	ug/l	100	15	117	65-135			
Benzene	93.6	5.0	"	100	ND	94	70-125			
tert-Butyl alcohol	2230	200	"	2000	45	109	60-135			
Di-isopropyl ether	112	5.0	"	100	ND	112	70-130			
1,2-Dibromoethane (EDB)	112	5.0	"	100	ND	112	85-125			
1,2-Dichloroethane	109	5.0	"	100	ND	109	75-125			
Ethanol	3520	3000	"	2000	ND	176	15-150			LM
Ethyl tert-butyl ether	110	5.0	"	100	ND	110	65-130			
Ethylbenzene	99.5	5.0	"	100	ND	100	80-130			
Methyl tert-butyl ether	1440	5.0	"	100	1300	140	50-140			
Toluene	93.9	5.0	"	100	ND	94	70-120			
Xylenes (total)	288	5.0	"	300	ND	96	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.48*		"	*2.50*		*99*	*60-115*			
Surrogate: Dibromofluoromethane	*2.48*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*70-130*			
Matrix Spike Dup (6G21002-MSD1)	**Source: MPG0564-02**			Prepared & Analyzed: 07/21/06						
tert-Amyl methyl ether	131	5.0	ug/l	100	15	116	65-135	0.8	25	
Benzene	92.6	5.0	"	100	ND	93	70-125	1	15	
tert-Butyl alcohol	2260	200	"	2000	45	111	60-135	1	35	
Di-isopropyl ether	111	5.0	"	100	ND	111	70-130	0.9	35	
1,2-Dibromoethane (EDB)	110	5.0	"	100	ND	110	85-125	2	15	
1,2-Dichloroethane	107	5.0	"	100	ND	107	75-125	2	10	
Ethanol	3630	3000	"	2000	ND	182	15-150	3	35	LM
Ethyl tert-butyl ether	108	5.0	"	100	ND	108	65-130	2	35	
Ethylbenzene	98.7	5.0	"	100	ND	99	80-130	0.8	15	
Methyl tert-butyl ether	1420	5.0	"	100	1300	120	50-140	1	25	
Toluene	91.7	5.0	"	100	ND	92	70-120	2	15	
Xylenes (total)	285	5.0	"	300	ND	95	85-125	1	15	
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.44*		"	*2.50*		*98*	*60-115*			
Surrogate: Dibromofluoromethane	*2.48*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*70-130*			

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1333 Broadway, Suite 800	Project Number: G07T9-0027	Reported:
Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G25002 - EPA 5030B P/T / EPA 8260B										
Blank (6G25002-BLK1)				Prepared: 07/25/06 Analyzed: 07/26/06						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
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	"							
Surrogate: 1,2-Dichloroethane-d4	*2.53*		"	*2.50*		*101*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.15*		"	*2.50*		*86*	*60-115*			
Surrogate: Dibromofluoromethane	*2.37*		"	*2.50*		*95*	*75-130*			
Surrogate: Toluene-d8	*2.30*		"	*2.50*		*92*	*70-130*			
Laboratory Control Sample (6G25002-BS1)				Prepared: 07/25/06 Analyzed: 07/26/06						
tert-Amyl methyl ether	9.37	0.50	ug/l	7.52		125	65-135			
Benzene	2.88	0.50	"	2.58		112	70-125			
tert-Butyl alcohol	84.1	20	"	71.6		117	60-135			
Di-isopropyl ether	9.15	0.50	"	7.56		121	70-130			
1,2-Dibromoethane (EDB)	8.85	0.50	"	7.44		119	85-125			
1,2-Dichloroethane	9.18	0.50	"	7.36		125	75-125			
Ethanol	103	300	"	70.8		145	15-150			
Ethyl tert-butyl ether	8.86	0.50	"	7.52		118	65-130			
Ethylbenzene	3.93	0.50	"	3.77		104	80-130			
Methyl tert-butyl ether	4.29	0.50	"	3.51		122	50-140			
Toluene	19.5	0.50	"	18.6		105	70-120			
Xylenes (total)	22.8	0.50	"	20.6		111	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.52*		"	*2.50*		*101*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*60-115*			
Surrogate: Dibromofluoromethane	*2.48*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*70-130*			

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TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G25002 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6G25002-MS1)	**Source: MPG0642-17**			Prepared: 07/25/06 Analyzed: 07/26/06						
tert-Amyl methyl ether	8.88	0.50	ug/l	7.52	ND	118	65-135			
Benzene	2.86	0.50	"	2.58	ND	111	70-125			
tert-Butyl alcohol	103	20	"	71.6	22	113	60-135			
Di-isopropyl ether	9.19	0.50	"	7.56	ND	122	70-130			
1,2-Dibromoethane (EDB)	8.38	0.50	"	7.44	ND	113	85-125			
1,2-Dichloroethane	13.6	0.50	"	7.36	5.0	117	75-125			
Ethanol	190	300	"	70.8	ND	268	15-150			LM
Ethyl tert-butyl ether	8.60	0.50	"	7.52	ND	114	65-130			
Ethylbenzene	3.84	0.50	"	3.77	ND	102	80-130			
Methyl tert-butyl ether	8.19	0.50	"	3.51	4.6	102	50-140			
Toluene	19.0	0.50	"	18.6	ND	102	70-120			
Xylenes (total)	22.1	0.50	"	20.6	ND	107	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*60-115*			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-130*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*70-130*			
Matrix Spike Dup (6G25002-MSD1)	**Source: MPG0642-17**			Prepared: 07/25/06 Analyzed: 07/26/06						
tert-Amyl methyl ether	10.2	0.50	ug/l	7.52	ND	136	65-135	14	25	LM
Benzene	3.09	0.50	"	2.58	ND	120	70-125	8	15	
tert-Butyl alcohol	109	20	"	71.6	22	122	60-135	6	35	
Di-isopropyl ether	10.2	0.50	"	7.56	ND	135	70-130	10	35	LM
1,2-Dibromoethane (EDB)	9.81	0.50	"	7.44	ND	132	85-125	16	15	LM, IL
1,2-Dichloroethane	15.6	0.50	"	7.36	5.0	144	75-125	14	10	LM, IL
Ethanol	166	300	"	70.8	ND	234	15-150	13	35	LM
Ethyl tert-butyl ether	9.76	0.50	"	7.52	ND	130	65-130	13	35	
Ethylbenzene	3.99	0.50	"	3.77	ND	106	80-130	4	15	
Methyl tert-butyl ether	9.65	0.50	"	3.51	4.6	144	50-140	16	25	LM
Toluene	20.3	0.50	"	18.6	ND	109	70-120	7	15	
Xylenes (total)	23.0	0.50	"	20.6	ND	112	85-125	4	15	
Surrogate: 1,2-Dichloroethane-d4	*2.75*		"	*2.50*		*110*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.32*		"	*2.50*		*93*	*60-115*			
Surrogate: Dibromofluoromethane	*2.42*		"	*2.50*		*97*	*75-130*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*70-130*			

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG0564
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/02/06 13:30

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
IL	RPD exceeds laboratory control limit
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

Page 1 of 1

Project Name: Analytical for QMR sampling

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11102 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fra

Requested Due Date (mm/dd/yy): 10 Day TAT

BTS#060777-SC2

On-site Time:	1405	Temp:	75°
Off-site Time:	1546	Temp:	80°
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: Sequoia	BP/AR Facility No.: 11102	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 100 MacArthur Blvd., Oakland, CA 94610	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.819113 / -122.253	Oakland, CA 94612
Lab PM: Lisa Race / Katt Min	California Global ID No.: T0600100908	Consultant/Contractor Project No.: 38487119
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G07T9-0027	Consultant/Contractor PM: Alok Kolekar
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3152 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: jane_field@urscorp.com
Tele/Fax: 925-299-8891	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 11102

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-1	1145	07/06/06		X		01	3				X		X	X	X	X	MPG 0564
2	MW-3	1510	"		X		02	3				X		X	X	X	X	
3	TB-11102-070706	—	↓		X		03	2				X						ON HOLD
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Sampler's Name:	S. Carmack	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Blaine Tech Services		07/07/06	1745		7/7/06	1745
Shipment Date:			7/10/06	1858		7/10/06	1858
Shipment Method:			7/10/06	1640		7/10/06	1640
Shipment Tracking No:							

Special Instructions: CC to bpedf@broadbentinc.com

Custody Seal Intact Yes ___ No ✓ Temp Blank Yes ___ No ___ Cooler Temperature on Receipt 4.0 °F/C Trip Blank Yes ___ No ___

White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP/ArCo 11102
REC. BY (PRINT): Felwa
WORKORDER: MPG0584

DATE REC'D AT LAB: July 18, 2006
TIME REC'D AT LAB: 1640
DATE LOGGED IN: 7-19-06

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER 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 / Absent Intact / Broken*	01	A-C	MW-1	3 VOAS	HCL	—	liquid	7/17/06	
		02	L	MW-3	3 VOAS	HCL	—	liquid	7/17/06	
2. Chain-of-Custody	Present / Absent*	03	A,B	TB-11102-07172006	2 VOAS	HCL	—	liquid	7/17/06	
3. Traffic Reports or Packing List:	Present / Absent									
4. Airbill:	Airbill / Sticker Present / Absent									
5. Airbill #:										
6. Sample Labels:	Present / Absent									
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody									
8. Sample Condition:	Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*									
10. Sample received within hold time?	Yes / No*									
11. Adequate sample volume received?	Yes / No*									
12. Proper preservatives used?	Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*									
14. Read Temp:	3.6°C									
Corrected Temp:	3.6°C									
Is corrected temp 4 +/-2°C?	Yes / No**									
(Acceptance range for samples requiring thermal pres.)										
**Exception (if any): METALS / OFF ON ICE or Problem COC										

7/18/06 SET 0 OC

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

...sion 7
...5 (07/13/04)

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16 August, 2006

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

RE: BP Heritage #11102, Oakland, CA
Work Order: MPG1174

Enclosed are the results of analyses for samples received by the laboratory on 07/27/06 17:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG1174
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MPG1174-01	Water	07/26/06 12:40	07/27/06 17:40
MW-2	MPG1174-02	Water	07/26/06 13:25	07/27/06 17:40
MW-3	MPG1174-03	Water	07/26/06 13:00	07/27/06 17:40
TB-11102-072606	MPG1174-04	Water	07/26/06 00:00	07/27/06 17:40

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	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MPG1174-01) Water Sampled: 07/26/06 12:40 Received: 07/27/06 17:40									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6H06004	08/06/06	08/07/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-145*		"	"	"	"	
MW-2 (MPG1174-02) Water Sampled: 07/26/06 13:25 Received: 07/27/06 17:40									
Gasoline Range Organics (C4-C12)	**2700**	1000	ug/l	20	6H07011	08/07/06	08/08/06	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-145*		"	"	"	"	
MW-3 (MPG1174-03) Water Sampled: 07/26/06 13:00 Received: 07/27/06 17:40									
Gasoline Range Organics (C4-C12)	**810**	250	ug/l	5	6H09005	08/09/06	08/09/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*60-145*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG1174
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MPG1174-01) Water Sampled: 07/26/06 12:40 Received: 07/27/06 17:40									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6H06004	08/06/06	08/07/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**22**	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.4**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*70-130*		"	"	"	"	
MW-2 (MPG1174-02) Water Sampled: 07/26/06 13:25 Received: 07/27/06 17:40									
tert-Amyl methyl ether	ND	50	ug/l	100	6H06004	08/06/06	08/07/06	EPA 8260B	
Benzene	ND	50	"	"	"	"	"	"	
tert-Butyl alcohol	**4500**	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	30000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2900**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*60-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*70-130*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG1174
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MPG1174-03) Water Sampled: 07/26/06 13:00 Received: 07/27/06 17:40									
tert-Amyl methyl ether	**18**	10	ug/l	20	6H06007	08/06/06	08/07/06	EPA 8260B	
Benzene	ND	10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	6000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1300**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*60-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*70-130*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG1174
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H06004 - EPA 5030B P/T / LUFT GCMS										
Blank (6H06004-BLK1)				Prepared: 08/06/06 Analyzed: 08/07/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.18*		"	*2.50*		*87*	*60-145*			
Laboratory Control Sample (6H06004-BS1)				Prepared & Analyzed: 08/06/06						
Gasoline Range Organics (C4-C12)	463	50	ug/l	440		105	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*60-145*			
Matrix Spike (6H06004-MS1)	**Source: MPG1173-03**			Prepared & Analyzed: 08/06/06						
Gasoline Range Organics (C4-C12)	10700	500	ug/l	4400	6000	107	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*60-145*			
Matrix Spike Dup (6H06004-MSD1)	**Source: MPG1173-03**			Prepared & Analyzed: 08/06/06						
Gasoline Range Organics (C4-C12)	10700	500	ug/l	4400	6000	107	75-140	0	20	
Surrogate: 1,2-Dichloroethane-d4	*2.04*		"	*2.50*		*82*	*60-145*			
Batch 6H07011 - EPA 5030B P/T / LUFT GCMS										
Blank (6H07011-BLK1)				Prepared: 08/07/06 Analyzed: 08/08/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.41*		"	*2.50*		*96*	*60-145*			
Laboratory Control Sample (6H07011-BS1)				Prepared & Analyzed: 08/07/06						
Gasoline Range Organics (C4-C12)	465	50	ug/l	440		106	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.11*		"	*2.50*		*84*	*60-145*			
Matrix Spike (6H07011-MS1)	**Source: MPG1178-03**			Prepared & Analyzed: 08/07/06						
Gasoline Range Organics (C4-C12)	455	50	ug/l	440	ND	103	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.08*		"	*2.50*		*83*	*60-145*			

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URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG1174
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H07011 - EPA 5030B P/T / LUFT GCMS										
Matrix Spike Dup (6H07011-MSD1)	**Source: MPG1178-03**			Prepared & Analyzed: 08/07/06						
Gasoline Range Organics (C4-C12)	440	50	ug/l	440	ND	100	75-140	3	20	
Surrogate: 1,2-Dichloroethane-d4	*2.04*		"	*2.50*		*82*	*60-145*			
Batch 6H09005 - EPA 5030B P/T / LUFT GCMS										
Blank (6H09005-BLK1)				Prepared & Analyzed: 08/09/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.53*		"	*2.50*		*101*	*60-145*			
Laboratory Control Sample (6H09005-BS2)				Prepared & Analyzed: 08/09/06						
Gasoline Range Organics (C4-C12)	510	50	ug/l	440		116	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.17*		"	*2.50*		*87*	*60-145*			
Matrix Spike (6H09005-MS1)	**Source: MPG1174-03**			Prepared & Analyzed: 08/09/06						
Gasoline Range Organics (C4-C12)	2800	250	ug/l	2200	810	90	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.05*		"	*2.50*		*82*	*60-145*			
Matrix Spike Dup (6H09005-MSD1)	**Source: MPG1174-03**			Prepared & Analyzed: 08/09/06						
Gasoline Range Organics (C4-C12)	2850	250	ug/l	2200	810	93	75-140	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.05*		"	*2.50*		*82*	*60-145*			

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ANALYTICAL TESTING CORPORATION

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

URS Corporation [Arco]	Project: BP Heritage #11102, Oakland, CA	MPG1174
1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H06004 - EPA 5030B P/T / EPA 8260B										
Blank (6H06004-BLK1)				Prepared: 08/06/06 Analyzed: 08/07/06						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
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	"							
Surrogate: 1,2-Dichloroethane-d4	*2.18*		"	*2.50*		*87*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.34*		"	*2.50*		*94*	*60-115*			
Surrogate: Dibromofluoromethane	*2.46*		"	*2.50*		*98*	*75-130*			
Surrogate: Toluene-d8	*2.35*		"	*2.50*		*94*	*70-130*			
Laboratory Control Sample (6H06004-BS1)				Prepared & Analyzed: 08/06/06						
tert-Amyl methyl ether	14.8	0.50	ug/l	15.0		99	65-135			
Benzene	5.36	0.50	"	5.16		104	70-125			
tert-Butyl alcohol	137	20	"	143		96	60-135			
Di-isopropyl ether	14.6	0.50	"	15.1		97	70-130			
1,2-Dibromoethane (EDB)	14.8	0.50	"	14.9		99	85-125			
1,2-Dichloroethane	13.4	0.50	"	14.7		91	75-125			
Ethanol	101	300	"	142		71	15-150			
Ethyl tert-butyl ether	14.4	0.50	"	15.0		96	65-130			
Ethylbenzene	7.08	0.50	"	7.54		94	80-130			
Methyl tert-butyl ether	7.23	0.50	"	7.02		103	50-140			
Toluene	37.8	0.50	"	37.2		102	70-120			
Xylenes (total)	39.6	0.50	"	41.2		96	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.70*		"	*2.50*		*108*	*60-115*			
Surrogate: Dibromofluoromethane	*2.29*		"	*2.50*		*92*	*75-130*			
Surrogate: Toluene-d8	*2.59*		"	*2.50*		*104*	*70-130*			

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Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

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TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H06004 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6H06004-MS1)	**Source: MPG1173-03**			Prepared & Analyzed: 08/06/06						
tert-Amyl methyl ether	145	5.0	ug/l	150	ND	97	65-135			
Benzene	193	5.0	"	51.6	140	103	70-125			
tert-Butyl alcohol	1620	200	"	1430	270	94	60-135			
Di-isopropyl ether	313	5.0	"	151	160	101	70-130			
1,2-Dibromoethane (EDB)	144	5.0	"	149	ND	97	85-125			
1,2-Dichloroethane	133	5.0	"	147	ND	90	75-125			
Ethanol	1420	3000	"	1420	ND	100	15-150			
Ethyl tert-butyl ether	142	5.0	"	150	ND	95	65-130			
Ethylbenzene	185	5.0	"	75.4	110	99	80-130			
Methyl tert-butyl ether	301	5.0	"	70.2	220	115	50-140			
Toluene	874	5.0	"	372	510	98	70-120			
Xylenes (total)	967	5.0	"	412	580	94	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.06*		"	*2.50*		*82*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.65*		"	*2.50*		*106*	*60-115*			
Surrogate: Dibromofluoromethane	*2.23*		"	*2.50*		*89*	*75-130*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*70-130*			
Matrix Spike Dup (6H06004-MSD1)	**Source: MPG1173-03**			Prepared & Analyzed: 08/06/06						
tert-Amyl methyl ether	146	5.0	ug/l	150	ND	97	65-135	0.7	25	
Benzene	193	5.0	"	51.6	140	103	70-125	0	15	
tert-Butyl alcohol	1620	200	"	1430	270	94	60-135	0	35	
Di-isopropyl ether	307	5.0	"	151	160	97	70-130	2	35	
1,2-Dibromoethane (EDB)	144	5.0	"	149	ND	97	85-125	0	15	
1,2-Dichloroethane	129	5.0	"	147	ND	88	75-125	3	10	
Ethanol	1550	3000	"	1420	ND	109	15-150	9	35	
Ethyl tert-butyl ether	140	5.0	"	150	ND	93	65-130	1	35	
Ethylbenzene	181	5.0	"	75.4	110	94	80-130	2	15	
Methyl tert-butyl ether	306	5.0	"	70.2	220	123	50-140	2	25	
Toluene	865	5.0	"	372	510	95	70-120	1	15	
Xylenes (total)	953	5.0	"	412	580	91	85-125	1	15	
Surrogate: 1,2-Dichloroethane-d4	*2.04*		"	*2.50*		*82*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.67*		"	*2.50*		*107*	*60-115*			
Surrogate: Dibromofluoromethane	*2.26*		"	*2.50*		*90*	*75-130*			
Surrogate: Toluene-d8	*2.66*		"	*2.50*		*106*	*70-130*			

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1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H06007 - EPA 5030B P/T / EPA 8260B										
Blank (6H06007-BLK1)				Prepared: 08/06/06 Analyzed: 08/07/06						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
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	"							
Surrogate: 1,2-Dichloroethane-d4	*2.80*		"	*2.50*		*112*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.35*		"	*2.50*		*94*	*60-115*			
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.42*		"	*2.50*		*97*	*70-130*			
Laboratory Control Sample (6H06007-BS1)				Prepared: 08/06/06 Analyzed: 08/07/06						
tert-Amyl methyl ether	15.2	0.50	ug/l	15.0		101	65-135			
Benzene	5.38	0.50	"	5.16		104	70-125			
tert-Butyl alcohol	166	20	"	143		116	60-135			
Di-isopropyl ether	15.0	0.50	"	15.1		99	70-130			
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.9		110	80-125			
1,2-Dichloroethane	15.4	0.50	"	14.7		105	75-125			
Ethanol	149	300	"	142		105	15-150			
Ethyl tert-butyl ether	15.7	0.50	"	15.0		105	65-130			
Ethylbenzene	7.48	0.50	"	7.54		99	70-130			
Methyl tert-butyl ether	7.60	0.50	"	7.02		108	50-140			
Toluene	34.8	0.50	"	37.2		94	70-120			
Xylenes (total)	42.4	0.50	"	41.2		103	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.41*		"	*2.50*		*96*	*60-115*			
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*70-130*			

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1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H06007 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (6H06007-MS1)	**Source: MPG1175-01**			Prepared: 08/06/06 Analyzed: 08/07/06						
tert-Amyl methyl ether	16.9	0.50	ug/l	15.0	0.71	108	65-135			
Benzene	5.65	0.50	"	5.16	0.15	107	70-125			
tert-Butyl alcohol	171	20	"	143	ND	120	60-135			
Di-isopropyl ether	16.8	0.50	"	15.1	ND	111	70-130			
1,2-Dibromoethane (EDB)	18.3	0.50	"	14.9	ND	123	80-125			
1,2-Dichloroethane	17.4	0.50	"	14.7	ND	118	75-125			
Ethanol	144	300	"	142	ND	101	15-150			
Ethyl tert-butyl ether	17.5	0.50	"	15.0	ND	117	65-130			
Ethylbenzene	7.69	0.50	"	7.54	ND	102	70-130			
Methyl tert-butyl ether	9.08	0.50	"	7.02	0.36	124	50-140			
Toluene	36.3	0.50	"	37.2	ND	98	70-120			
Xylenes (total)	43.1	0.50	"	41.2	ND	105	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		"	*2.50*		*104*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.46*		"	*2.50*		*98*	*60-115*			
Surrogate: Dibromofluoromethane	*2.47*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.59*		"	*2.50*		*104*	*70-130*			
Matrix Spike Dup (6H06007-MSD1)	**Source: MPG1175-01**			Prepared: 08/06/06 Analyzed: 08/07/06						
tert-Amyl methyl ether	18.0	0.50	ug/l	15.0	0.71	115	65-135	6	25	
Benzene	5.94	0.50	"	5.16	0.15	112	70-125	5	15	
tert-Butyl alcohol	179	20	"	143	ND	125	60-135	5	35	
Di-isopropyl ether	19.1	0.50	"	15.1	ND	126	70-130	13	35	
1,2-Dibromoethane (EDB)	18.7	0.50	"	14.9	ND	126	80-125	2	15	LM
1,2-Dichloroethane	18.9	0.50	"	14.7	ND	129	75-125	8	10	LM
Ethanol	162	300	"	142	ND	114	15-150	12	35	
Ethyl tert-butyl ether	19.3	0.50	"	15.0	ND	129	65-130	10	35	
Ethylbenzene	8.13	0.50	"	7.54	ND	108	70-130	6	15	
Methyl tert-butyl ether	9.75	0.50	"	7.02	0.36	134	50-140	7	25	
Toluene	36.9	0.50	"	37.2	ND	99	70-120	2	15	
Xylenes (total)	44.6	0.50	"	41.2	ND	108	80-125	3	15	
Surrogate: 1,2-Dichloroethane-d4	*2.71*		"	*2.50*		*108*	*60-145*			
Surrogate: 4-Bromofluorobenzene	*2.54*		"	*2.50*		*102*	*60-115*			
Surrogate: Dibromofluoromethane	*2.48*		"	*2.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*2.55*		"	*2.50*		*102*	*70-130*			

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1333 Broadway, Suite 800	Project Number: G07T9-0027	**Reported:**
Oakland CA, 94612	Project Manager: Alok Kolekar	08/16/06 10:54

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LM	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 > 11102 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr

Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 1145	Temp: 65
Off-site Time: 1345	Temp: 80
Sky Conditions: Sun	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 11102	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 100 MacArthur Blvd., Oakland, CA 94610	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.819113 / -122.253	Oakland, CA 94612
Lab PM: Lisa Race / Katt Min	California Global ID No.: T0600100908	Consultant/Contractor Project No.: 38487119
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G07T9-0027	Consultant/Contractor PM: Alok Kolekar
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3152 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: jane_field@urscorp.com
Tele/Fax: 925-299-8891	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 11102

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-1	1240	7/26/06		X		01	3				X		X	X	X	X	
2	MW-2	1325	"		X		02	3				X		X	X	X	X	
3	MW-3	1300	"		X		03	3				X		X	X	X	X	
4	TB-11102-072606	—	↓		X		04	2				X						On Hold
5																		
6																		
7																		
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Shawn Lane						
Sampler's Company: BC		7/26/06	1830		7/26/06	1830
Shipment Date:		7/27/06	1015		7/27/06	1015
Shipment Method:		7-27-06	1740	Rebecca Howell (Courier)	7/27/06	1740
Shipment Tracking No:						

Special Instructions: CC to bpedf@broadbentinc.com

Custody Seals In Place Yes X No ___ Temp Blank Yes X No ___ Cooler Temperature on Receipt 3.8 °C Trip Blank Yes X No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT): [illegible]
WORKORDER: MPG1174

DATE REC'D AT LAB: 7/27/06
TIME REC'D AT LAB: ~~0800~~ 1740
DATE LOGGED IN: 7/30/06

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER 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 / (Absent) Intact / Broken*									
2. Chain-of-Custody (Present) / Absent*									
3. Traffic Reports or Packing List: Present / (Absent)									
4. Airbill: Airbill / Sticker Present / (Absent)									
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) (Yes) / No*									
14. Read Temp: 3.8°C Corrected Temp: " " Is corrected temp 4 +/-2°C? (Yes) / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

SEE COC

7/27/06 EH

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

WELL GAUGING DATA

Project # 060717-SR2 Date 07/17/06 Client BP 11102

Site 100 MacArthur Blvd, Oakland, CA

Well ID	Time	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	Notes
MW-1	1415	4					9.25	32.00		
MW-2	1425	Could Not access; Could not open well box - bent bolt								
MW-3	1420	4					10.80	32.44		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060717-SC2	Station # ~~BP~~ BF11102
Sampler: S. Carmack	Date: 7/17/06
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 32.00	Depth to Water: 9.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

14.8	X	3	=	44.4 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1430	69.8	8.0	768	14.8	clear very slight odor
1433	69.6	7.9	757	29.6	" " " "
1436	69.0	7.7	739	44.4	" " " "

Did well dewater? Yes (No)

Gallons actually evacuated: 44.4

Sampling Time: 1445

Sampling Date: 07/17/06

Sample I.D.: MW-1

Laboratory: Pace Sequoia Other TA

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See COC

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060717-SC2	Station # BP 11102
Sampler: S. Carrasco	Date: 07/17/06
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: —	Depth to Water: —
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
* Could Not Access / Could not open well box					

Did well dewater? Yes No		Gallons actually evacuated:		
Sampling Time:		Sampling Date:		
Sample I.D.:		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:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060717-SC2	Station # BP-11102
Sampler: S. Carmack	Date: 07/17/06
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 32.44	Depth to Water: 10.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

14.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 42.3 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1450	68.9	7.9	746	14.1	clear/odor
1453	68.7	7.7	752	28.2	"
1455	68.5	7.7	768	42.3	

Did well dewater? Yes (No) Gallons actually evacuated: 42.3

Sampling Time: 1510 Sampling Date: 07/17/06

Sample I.D.: MW-3 Laboratory: Pace Sequoia Other TA

Analyzed for: GRO BTEX MTBE DRO Oxy's 1,2-DCA EDB Ethanol Other: See COC

D.O. (if req'd): Pre-purge: $^{mg}/_{L}$ Post-purge: $^{mg}/_{L}$

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

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

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

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

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

BP 11107

Station #

100 MacArthur Blvd. Oakland CA

Station Address

Total Gallons Collected From Groundwater Monitoring Wells: 86.9

added equip. rinse water 5

any other adjustments 91.9

TOTAL GALS. RECOVERED 92

loaded onto BTS vehicle # 22

BTS event # 070702-SC2

time 1550

date 07/17/06

signature [signature]

* *

REC'D AT ____________ time ______ date ___/___/___

unloaded by signature ____________

WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 7/17/06

Site Address 100 MacArthur Blvd. Oakland, CA

Job Number 060717-SC2 Technician S. Carmack

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	X							
MW-2		Well not open well box						
MW-3	X (SC)						X	

NOTES: MW-3 => both tabs stripped

Repair Data Sheet

Client Arco / Bp Date 7-25-06

Site Address 100 Macarthur Blvd, Oakland

Job Number 060725AA1 Technician Andrew Adolfi

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
MW-2							X													X
Notes: Bolt boot removed and retap added new bolts																				
MW-3							X													X
Notes: 2 of 2 stripped tabs retap / heli																				
Notes:																				
Notes:																				
Notes:																				
Notes:																				

WELL GAUGING DATA

Project # 060726SL2 Date 7/26/06 Client Arco

Site 100 ~~Mac~~ McArthur Blvd Oakland

Well ID	Time	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	Notes
MW-1	1200	4					8.57	32.02		
MW-2	1210	4					10.47	32.40		
MW-3	1205	4					9.67	32.50		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060726-SL2	Station # 1102
Sampler: SL	Date: 7/26/06
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 32.02	Depth to Water: 8.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

15.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 46.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1228	69.9	6.69	542	15.4	clear
1231	69.6	6.62	636	30.8	
1234	68.6	663	664	46.2	

Did well dewater? Yes (No)		Gallons actually evacuated: 46.2	
Sampling Time: 1240		Sampling Date: 7/26/06	
Sample I.D.: MW-1		Laboratory: Pace Sequoia Other TA	
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:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060726-SL2	Station # 1102
Sampler: SL	Date: 7/26/06
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 32.40	Depth to Water: 10.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

14.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 42.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1313	70.7	6.52	987	14.3	
1316	71.3	6.77	639	28.6	
1319	70.8	6.69	679	42.9	

Did well dewater? Yes (No)

Gallons actually evacuated: 42.9

Sampling Time: 1325

Sampling Date: 7/26/06

Sample I.D.: MW-2

Laboratory: Pace Sequoia Other TA

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:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 060726-SL2	Station # 1110Z
Sampler: SL	Date: 7/26/06
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 32.50	Depth to Water: 9.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: _____

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

14.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 44.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1252	70.4	6.69	625	14.8	clear
1255	70.9	6.55	607	29.6	
1258	71.2	6.56	612	44.4	

Did well dewater? Yes (No)

Gallons actually evacuated: 44.4

Sampling Time: 1300

Sampling Date: 7/26/07

Sample I.D.: MW-3

Laboratory: Pace Sequoia Other TA

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:	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.

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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:

1102
Station #

100 MacArthur Blvd Oakland
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. rinse water 10

any other adjustments

TOTAL GALS. RECOVERED 143.5

loaded onto BTS vehicle #

BTS event # 060726-SL3

time 1720

date 7/26/06

signature

* *

REC'D AT

time

date

unloaded by signature

bp

WELLHEAD INSPECTION CHECKLIST
BP / GEM

Date 7/26/06

Site Address 100 McArthur Blvd Oakland

Job Number 060726-SL2 Technician SL

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

NOTES:

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION

#11102

Electronic Submittal Information

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**3Q 06 GEO_WELL**
Submittal Date/Time:	**10/19/2006 4:52:54 PM**
Confirmation Number:	**6908140420**

Back to Main Menu

Logged in as BROADBENT-C
(CONTRACTOR)

CONTACT SITE ADMINISTRATOR

Electronic Submittal Information

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

Your EDF file has been successfully uploaded!

Confirmation Number: 4370432198
Date/Time of Submittal: 10/19/2006 4:54:03 PM
Facility Global ID: T0600100908
Facility Name: BP #11102
Submittal Title: 3Q 06 GW Monitoring
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

BP 100 MACARTHUR BLVD OAKLAND, CA 94610	**Regional Board - Case #: 01-0985** SAN FRANCISCO BAY RWQCB (REGION 2) **Local Agency (lead agency) - Case #: 1108** ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
4370432198	3Q 06 GW Monitoring	Q3 2006

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	10/19/2006	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	2
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES?	Y
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%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.