Atlantic Richfield Company
(a BP affiliated company)

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

4 April 2008

Re: First Quarter 2008 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

First Quarter 2008 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
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4 April 2008

Project No. 06-08-643

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

4 April 2008 Project No. 06-08-643

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

Attn.: Mr. Paul Supple

Re: First Quarter 2008 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 *First Quarter 2008 Ground-Water Monitoring Report* for Former BP Service Station #11102 located at 100 MacArthur Boulevard, Oakland, Alameda County, California. This report presents a summary of results from ground-water monitoring conducted during the First Quarter of 2008.

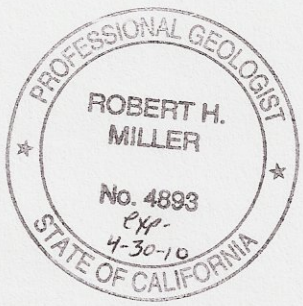
Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.
Senior Engineer

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



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, California 95818
Mr. Chris Jimmerson, Reimbursement Processor, Delta Environmental Consulting Inc., (Submitted via ENFOS)
Electronic copy uploaded to GeoTracker

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 (First Quarter 2008):

1. Prepared and submitted Fourth Quarter 2007 Ground-Water Monitoring Report.
2. Conducted ground-water monitoring/sampling for First Quarter 2008. Work performed by Stratus Environmental, Inc (Stratus) on 22 January 2008.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2008):

1. Prepared and submitted this First Quarter 2008 Ground-Water Monitoring Report (contained herein).
2. Conduct quarterly ground-water monitoring/sampling for Second Quarter 2008. Work to be completed by Stratus.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	**Ground-Water Monitoring/Sampling**
Frequency of ground-water monitoring:	**Quarterly: Wells MW-1 through MW-3**
Frequency of ground-water sampling:	**Quarterly: Wells MW-1 through MW-3**
Is free product (FP) present on-site:	**No**
Current remediation techniques:	**NA**
Depth to ground water (below TOC):	**11.22 (MW-1) to 12.92 (MW-3)**
General ground-water flow direction:	**West**
Approximate hydraulic gradient:	**0.05 ft/ft**

DISCUSSION:

First Quarter 2008 ground-water monitoring and sampling was conducted at Station #11102 on 22 January 2008 by Stratus. Water levels were gauged in the three wells at the Site. No irregularities were noted during water level gauging. Depths to water measurements ranged from 11.22 ft at well MW-1 to 12.92 ft at well MW-3. Resulting ground-water surface elevations ranged from 78.98 ft above mean sea level in well MW-1 to 74.10 ft at well MW-3. Water level elevations were between historic minimum and maximum ranges for each well, as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient of 0.05 ft/ft to the west, generally consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. Current and historic ground-water flow directions and gradients are provided in Table 3. Potentiometric ground-water elevation contours are presented in Drawing 1.

Consistent with the current ground-water sampling schedule, water samples were collected from each of the three wells on the Site. No irregularities were encountered during sampling. Samples were submitted under chain-of-custody protocol to Test America Analytical Testing Corporation (Morgan Hill,

California), for analysis of Gasoline Range Organics (GRO, C4-C12) by the LUFT GCMS Method; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Di-isopropyl ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl tert-butyl ether (ETBE), and Methyl tert-butyl ether (MTBE) by EPA Method 8260B. Biodegradation parameters including dissolved oxygen, pH, temperature, conductivity, oxygen reduction potential, hydrogen sulfide, ferrous iron, nitrate, and sulfate were also monitored during the sample event this quarter. The laboratory noted that the GRO concentration for the sample collected from well MW-3 was partly due to individual peak(s) in the quantitation range. No other irregularities were encountered during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline Range Organics (GRO) were detected above the laboratory reporting limit in two of the three wells sampled at concentrations up to 1,600 micrograms per liter (µg/L) in well MW-3. Ethylbenzene was detected above the laboratory reporting limit in one of the three wells sampled at a concentration of 0.83 µg/L in well MW-1. TAME was detected above the laboratory reporting limit in one of the three wells sampled at a concentration of 34 µg/L in well MW-3. TBA was detected above the laboratory reporting limit in two of the three wells sampled at concentrations of 6,000 µg/L in well MW-2. MTBE was detected above the laboratory reporting limit in each of the wells sampled at concentrations up to 2,800 µg/L in well MW-3. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the three wells sampled this quarter.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well sampled this quarter. Historic laboratory analytical results are summarized in Table 1, and Table 2. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. A copy of the Laboratory Analytical Report, including chain-of-custody documentation and biodegradation parameter results is provided in Appendix A. Ground-water monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix B.

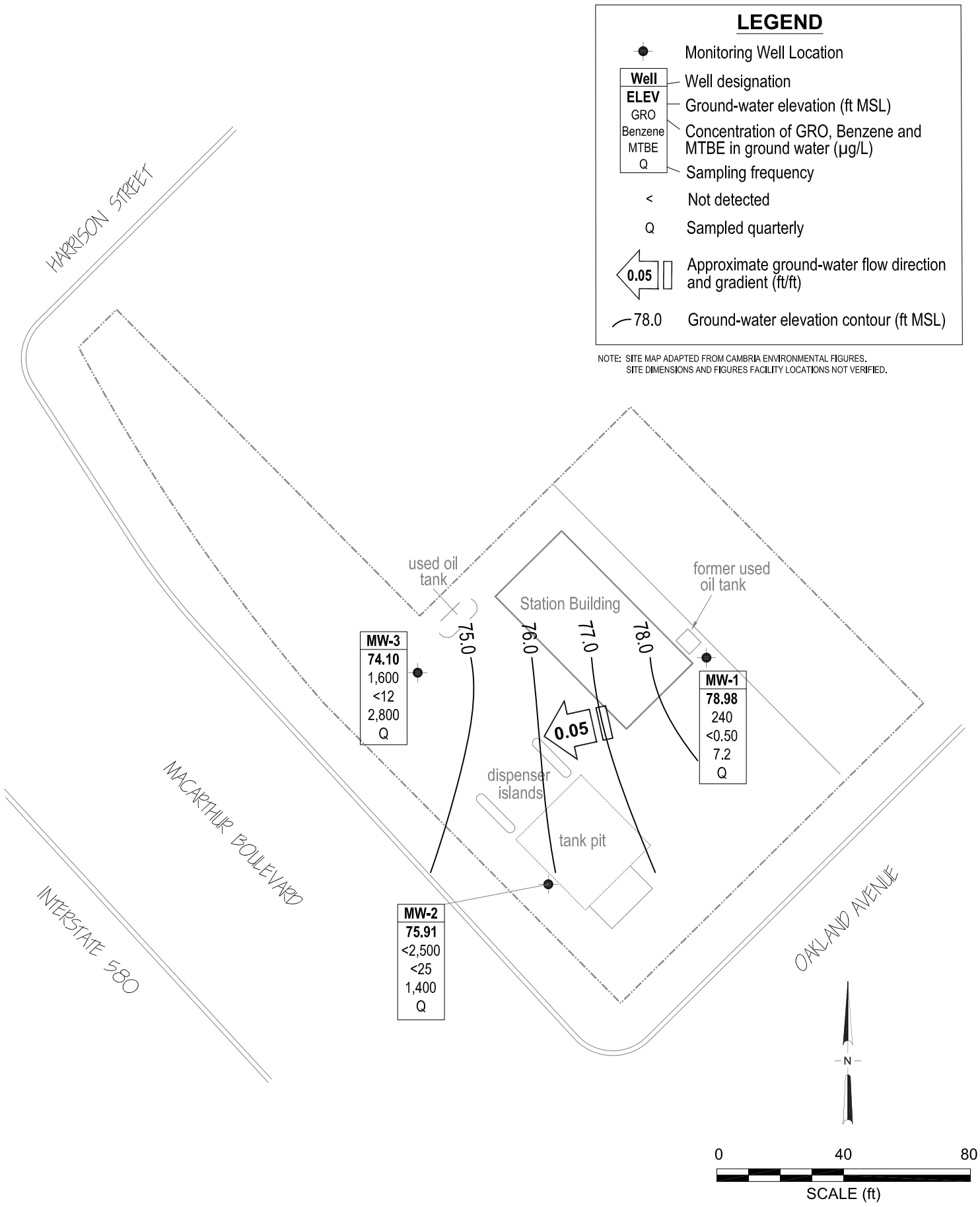
CLOSURE:

The findings presented in this report are based upon: observations of Stratus 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, 22 January 2008, 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: 2/20/08	Former Station #11102 100 MacArthur Boulevard Oakland, California	Ground-Water Elevation Contour and Analytical Summary Map 22 January 2008	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	11.80	--	78.40	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	--		90.20	10.93	--	79.27	3,400	98	11	21	7.6	--	--	PACE	--	440	--	--
6/7/1993	--	c	90.20	--	--	--	3,700	120	12	26	9.5	--	--	PACE	--	--	--	--
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	--		90.20	9.38	--	80.82	4,700	16	<5.0	<5.0	<10	--	6.7	ATI	--	1,300	2,900	0.6
6/21/1995	--	c, e	90.20	--	--	--	3,600	<13	<5.0	<5.0	<10	--	--	ATI	--	--	--	--
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	--
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	--
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	--
3/9/1999	--		90.20	9.80	--	80.40	32,000	100	16	72	110	49,000	--	SPL	--	--	--	--

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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	11.20	--	79.00	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	--	--	--
10/31/2006	P		90.20	9.80	--	80.40	<50	<0.50	<0.50	<0.50	<0.50	2.8	2.81	TAMC	6.99	--	--	--
1/8/2007	P		90.20	10.36	--	79.84	<50	2.2	<0.50	<0.50	<0.50	6.2	2.51	TAMC	6.97	--	--	--
4/10/2007	P		90.20	10.65	--	79.55	160	1.4	<0.50	<0.50	<0.50	9.0	1.75	TAMC	7.00	--	--	--
7/10/2007	P	p	90.20	10.52	--	79.68	120	<0.50	<0.50	<0.50	<0.50	4.9	2.01	TAMC	6.60	160	--	--
10/24/2007	P		90.20	11.23	--	78.97	100	<0.50	<0.50	<0.50	<0.50	4.9	1.89	TAMC	6.57	--	--	--
1/22/2008	**P**		**90.20**	**11.22**	**--**	**78.98**	**240**	**<0.50**	**<0.50**	**0.83**	**1.7**	**7.2**	**3.18**	**TAMC**	**6.49**	**--**	**--**	**--**
MW-2																		
11/4/1989	--		87.91	15.84	--	72.07	<500	6.5	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--

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.																		
11/11/1989	--		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	--	70.10	<50	0.3	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
3/1/1991	--		87.91	17.11	--	70.80	<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	--	--	--	--
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	14.70	--	73.21	<50	0.55	<0.5	<0.5	<0.5	--	--	SEQ	--	--	--	--
7/22/1992	--		87.91	15.60	--	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	--	74.80	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	--	c	87.91	--	--	--	5,900	<2.5	<5	<5	<5	11,000	--	SPL	--	--	--	--
12/4/1996	--		87.91	13.03	--	74.88	5,900	<2.5	<5	<5	<5	11,000	6.3	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	10.20	--	77.71	15,000	<5.0	<5.0	<5.0	<5.0	23,000	--	SPL	--	--	--	--
9/28/1999	--		87.91	11.81	--	76.10	36,000	<5.0	12	7	26	35,000	--	SPL	--	--	--	<5.0

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.																		
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	11.40	--	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	--	--	--	--
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	--	--	--
10/31/2006	P		87.91	12.02	--	75.89	2,300	<25	<25	<25	<25	2,300	2.02	TAMC	6.71	--	--	--
1/8/2007	P		87.91	11.68	--	76.23	1500	<12	<12	<12	<12	1700	1.37	TAMC	6.54	--	--	--
4/10/2007	P	k	87.91	11.45	--	76.46	1,300	<50	<50	<50	<50	1,500	1.60	TAMC	6.89	--	--	--
7/10/2007	P	k, p	87.91	11.97	--	75.94	2,300	<25	<25	<25	<25	2,600	1.82	TAMC	6.69	120	--	--
10/24/2007	P	k	87.91	12.91	--	75.00	2,800	<25	<25	<25	<25	2,800	1.55	TAMC	6.77	--	--	--
1/22/2008	**P**		**87.91**	**12.00**	**--**	**75.91**	**<2,500**	**<25**	**<25**	**<25**	**<25**	**1,400**	**2.08**	**TAMC**	**6.55**	**--**	**--**	**--**
MW-3																		
11/4/1989	--		87.02	15.40	--	71.62	<500	<0.3	<0.3	<0.3	<0.3	--	--	SAL	--	--	--	--
11/11/1989	--		87.02	14.10	--	72.92	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1990	--		87.02	13.90	--	73.12	<100	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--

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.																		
7/30/1990	--		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	--	71.80	<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	--	71.50	<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	--	--	--	--
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	--	75.80	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	--	76.80	<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	12.80	--	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	--	75.30	<500	<5.0	<5.0	<5.0	<5.0	110	--	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-3 Cont.																		
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	--	--	--
7/26/2006	P		87.02	9.67	--	77.35	810	<10	<10	<10	<10	1,300	--	TAMC	6.56	--	--	--
10/31/2006	P		87.02	10.85	--	76.17	1,600	<10	<10	<10	<10	2,300	2.50	TAMC	6.84	--	--	--
1/8/2007	P		87.02	12.73	--	74.29	520	<5.0	<5.0	<5.0	<5.0	760	3.61	TAMC	7.12	--	--	--
4/10/2007	P	k	87.02	11.93	--	75.09	630	<5.0	<5.0	<5.0	<5.0	750	2.31	TAMC	7.15	--	--	--
7/10/2007	P	k, p	87.02	11.30	--	75.72	1,800	<5.0	<5.0	<5.0	<5.0	2,400	1.56	TAMC	6.72	66	--	--
10/24/2007	P	k	87.02	13.77	--	73.25	2,000	<25	<25	<25	<25	3,500	1.62	TAMC	6.41	--	--	--
1/22/2008	**P**	**k**	**87.02**	**12.92**	**--**	**74.10**	**1,600**	**<12**	**<12**	**<12**	**<12**	**2,800**	**2.17**	**TAMC**	**6.32**	**--**	**--**	**--**
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.
p = Hydrocarbon in req. fuel range, but doesn't resemble req. fuel (DRO).

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	
10/31/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	a
1/8/2007	<300	110	6.2	<0.50	<0.50	<0.50	<0.50	<0.50	
4/10/2007	<300	210	9.0	<0.50	<0.50	<0.50	<0.50	<0.50	
7/10/2007	<300	110	4.9	<0.50	<0.50	<0.50	<0.50	<0.50	
10/24/2007	<300	94	4.9	<0.50	<0.50	<0.50	<0.50	<0.50	
1/22/2008	**<300**	**110**	**7.2**	**<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

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-2 Cont.									
7/26/2006	<30,000	4,500	2,900	<50	<50	<50	<50	<50	
10/31/2006	<15,000	9,300	2,300	<25	<25	41	<25	<25	a
1/8/2007	<7,500	7700	1700	<12	<12	38	<12	<12	
4/10/2007	<30,000	6,400	1,500	<50	<50	<50	<50	<50	
7/10/2007	<15,000	8,700	2,600	<25	<25	42	<25	<25	
10/24/2007	<15,000	9,500	2,800	<25	<25	52	<25	<25	
1/22/2008	**<15,000**	**6,000**	**1,400**	**<25**	**<25**	**<25**	**<25**	**<25**	
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	
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	
10/31/2006	<6,000	<400	2,300	<10	<10	39	<10	<10	a
1/8/2007	<3000	<200	760	<5.0	<5.0	9.7	<5.0	<5.0	
4/10/2007	<3,000	<200	750	<5.0	<5.0	<5.0	<5.0	<5.0	
7/10/2007	<3,000	<200	2,400	<5.0	<5.0	39	<5.0	--	
10/24/2007	<15,000	<1,000	3,500	<25	<25	58	<25	<25	
1/22/2008	**<7,500**	**<500**	**2,800**	**<12**	**<12**	**34**	**<12**	**<12**	

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.

Table 3. Historical Ground-Water Flow Direction and Gradient

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

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
4/21/2006	--	--
7/17/2006	Southwest	0.05
10/31/2006	Southwest	0.04
1/8/2007	West	0.06
4/10/2007	West	0.05
7/10/2007	Southwest	0.04
10/24/2007	West-Southwest	0.06
1/22/2008	**West**	**0.05**

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

STRATUS GROUND-WATER SAMPLING DATA PACKAGE
(INCLUDES FIELD DATA SHEETS AND LABORATORY ANALYTICAL REPORT
WITH CHAIN-OF-CUSTODY DOCUMENTATION)

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

February 7, 2008

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

Re: Groundwater Sampling Data Package, BP Service Station No. 11102, located at 100 MacArthur Blvd., Oakland, California

General Information

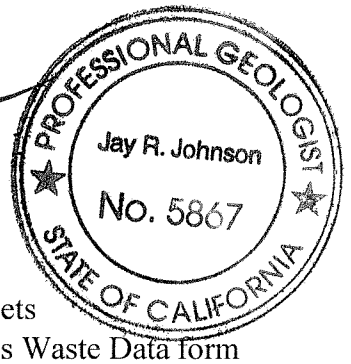
Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Jerry Gonzales

Sampling Date: January 22, 2008
Arrival: 11:30 *Departure:* 13:45
Weather Conditions: Cloudy/Rain
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling
Variations from Work Scope: None

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments included field data sheets, non-hazardous waste data form, chain of custody documentation, and certified analytical results. 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.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Jay R. Johnson, P.G.
Project Manager

Attachments:

- Field Data Sheets
- Non-Hazardous Waste Data form
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

BP ALAMEDA PORTFOLIO

HYDROLOGIC DATA SHEET

AK - 11:30 - 13:45

Gauge Date: 1-22-08

Project Name: *Oakland - 100 MacArthur Blvd.*

Field Technician: Jerry

Project Number: *11102*

TOC = Top of Well Casing Elevation
DTP = Depth to Free Product (FP or NAPH) Below TOC
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC

DIA = Well Casing Diameter
ELEV = Groundwater Elevation
DUP = Duplicate

WELL OR LOCATION	TIME	MEASUREMENT						PURGE & SAMPLE	SHEEN CONFIRMATION (w/baller)	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV			
MW-1	1146			1172	3190	4"		Y-S		
MW-2	1144			1200	3220	4"		Y-S		
MW-3	1141			1292	3230	4"		Y-S		

BP ALAMEDA PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11102 PURGED BY: JG WELL I.D.: MW-1

CLIENT NAME: SAMPLED BY: JG SAMPLE I.D.: MW-1

LOCATION: Oakland - 100 MacArthur Blvd. QA SAMPLES:

DATE PURGED 1-22-09 START (2400hr) 12:33 END (2400hr) 12:42

DATE SAMPLED 1-22-09 SAMPLE TIME (2400hr) 13:35

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" x 5" ____ 6" ____ 8" ____ Other ____ ( )

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60)

DEPTH TO BOTTOM (feet) = 31.90 CASING VOLUME (gal) = 13.8

DEPTH TO WATER (feet) = 11.72 CALCULATED PURGE (gal) = 41.5

WATER COLUMN HEIGHT (feet) = 20.6 ACTUAL PURGE (gal) = 42

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
1-22-09	1236	14	20.1	665	6.69	clear	
"	1239	28	20.5	811	6.53	"	
"	1242	42	21.4	811	6.59	"	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 12.08 SAMPLE TURBIDITY: clear

80% RECHARGE: x YES ___ NO ANALYSES: 5260

ODOR: yes SAMPLE VESSEL / PRESERVATIVE: 3 VOA-HCl - 2 L Poly HNO3 - 1 L Amber

PURGING EQUIPMENT

- ___ Bladder Pump
- x Centrifugal Pump
- ___ Submersible Pump
- ___ Peristaltic Pump
- ___ Bailer (Teflon)
- ___ Bailer (PVC)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ____

Other: ____

Pump Depth: 30

SAMPLING EQUIPMENT

- ___ Bladder Pump
- ___ Centrifugal Pump
- ___ Submersible Pump
- ___ Peristaltic Pump
- ___ Bailer (Teflon)
- x Bailer (___ PVC or x disposable)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ____

Other: ____

WELL INTEGRITY: good LOCK#: ____

REMARKS: DO 3.19 ORP 108

SIGNATURE: ____ Page ___ of ___

BP ALAMEDA PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11102 PURGED BY: [illegible] WELL I.D.: [illegible]

CLIENT NAME: ______ SAMPLED BY: [illegible] SAMPLE I.D.: [illegible]

LOCATION: Oakland - 100 MacArthur Blvd. QA SAMPLES: ______

DATE PURGED 1-22-08 START (2400hr) 12:15 END (2400hr) 12:25

DATE SAMPLED 1-22-08 SAMPLE TIME (2400hr) 13:15

SAMPLE TYPE: Groundwater x Surface Water ___ Treatment Effluent ___ Other ___

CASING DIAMETER: 2" ___ (0.17) 3" ___ (0.38) 4" ✓ (0.67) 5" ___ (1.02) 6" ___ (1.50) 8" ___ (2.60) Other ___ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = [illegible] CASING VOLUME (gal) = 13.5

DEPTH TO WATER (feet) = 12.00 CALCULATED PURGE (gal) = 40.6

WATER COLUMN HEIGHT (feet) = 20.2 ACTUAL PURGE (gal) = 41.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
1-22-08	12:18	13.5	19.2	628	6.82	Clear	
/	1221	27.2	20.3	631	6.65		
/	12:25	41.0	20.5	672	6.55		

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 13.49 SAMPLE TURBIDITY: Clear

80% RECHARGE: ___ YES ___ NO ANALYSES: [illegible]

ODOR: N SAMPLE VESSEL / PRESERVATIVE: [illegible]

PURGING EQUIPMENT

- ___ Bladder Pump
- ✓ Centrifugal Pump
- ___ Submersible Pump
- ___ Peristaltic Pump
- ___ Bailer (Teflon)
- ___ Bailer (PVC)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ______

Other: ______

Pump Depth: 25

SAMPLING EQUIPMENT

- ___ Bladder Pump
- ___ Centrifugal Pump
- ___ Submersible Pump
- ___ Peristaltic Pump
- ___ Bailer (Teflon)
- ✓ Bailer (___ PVC or ✓ disposable)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ______

Other: ______

WELL INTEGRITY: good LOCK#: [illegible]

REMARKS: DO 208 ORP 167

SIGNATURE: DO Page ___ of ___

BP ALAMEDA PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11102 PURGED BY: JG WELL I.D.: MW-3

CLIENT NAME: SAMPLED BY: JG SAMPLE I.D.: MW-3

LOCATION: Oakland - 100 MacArthur Blvd. QA SAMPLES:

DATE PURGED 1-22-08 START (2400hr) 1148 END (2400hr) 1159

DATE SAMPLED 1-22-08 SAMPLE TIME (2400hr) 1210

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER:	2"	3"	4"	5"	6"	8"	Other
Casing Volume: (gallons per foot)	(0.17)	(0.38)	X (0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = 32.30 CASING VOLUME (gal) = 12.9

DEPTH TO WATER (feet) = 12.92 CALCULATED PURGE (gal) = 38.9

WATER COLUMN HEIGHT (feet) = 19.3 ACTUAL PURGE (gal) = 39.6

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
1-22-08	1150	13	19.2	720	6.47	clear	
"	1157	26.5	20.7	646	6.44	"	
"	1204	39.6	21.0	636	6.32	"	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 15.84 SAMPLE TURBIDITY: clear

80% RECHARGE: ___ YES ___ NO ANALYSES: SVOC

ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 3 VOA-HCl - 2 LTPoly - 1 LT amber

PURGING EQUIPMENT

___ Bladder Pump	___ Bailer (Teflon)
X Centrifugal Pump	___ Bailer (PVC)
___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristalic Pump	___ Dedicated ____

Other: ____

Pump Depth: 30

SAMPLING EQUIPMENT

___ Bladder Pump	___ Bailer (Teflon)
___ Centrifugal Pump	X Bailer (___ PVC or X disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristalic Pump	___ Dedicated ____

Other: ____

WELL INTEGRITY: Good LOCK#: MW-3

REMARKS: DO 2.17

ORP 146

SIGNATURE: Page ___ of ___

Wellhead Observation Form

Account: _____

Sampled by: Jerry Date: 1.22.08

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt - Holes	Misc.	Add'l – Notes and Other Stuff
MW 1	Y	N	N	N	N	N	N	N		
MW-2	Y	N	N	N	N	N	N	N		
MW 3	Y	N	Y	N	N	N	N	N		

NO. 668551

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

NAME: BP WEST COAST PRODUCTS LLC ARCO # 1102

EPA I.D. NO.: NOT REQUIRED

ADDRESS: P.O. BOX 80249
RANCHO SANTA MARGARITA

PROFILE NO.:

CITY, STATE, ZIP: CA 92688

PHONE NO.: ( )

CONTAINERS: No. _____ VOLUME: 122.6 WEIGHT: _____

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION: NON-HAZARDOUS WATER — GENERATING PROCESS: WELL PURGING/DECON WATER

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1.	WATER	99-100%		5.			
2.	TPH	<1%		6.			
3.				7.	BESI#		
4.				8.			

PROPERTIES: 7-10 ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart BESI for BP — 1-27-09

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

Transporter #1 — Transporter #2

NAME: STRATUS ENVIRONMENTAL

EPA I.D. NO.:

ADDRESS: 3330 CAMERON PARK DR

SERVICE ORDER NO.:

CITY, STATE, ZIP: CAMERON PARK, CA 95682

PICK UP DATE:

PHONE NO.: 530-676-2031

TRUCK, UNIT, I.D. NO.: _____

Jaime Gonzales — 1-27-09

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: INSTRAT, INC

EPA I.D. NO.:

DISPOSAL METHOD

ADDRESS: 1105 AIRPORT RD #C

☐ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP: RIO VISTA, CA 94571

PHONE NO.: 530-753-1629

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD		HW/DF: NONE

DISCREPANCY

Atlantic Richfield Company
A BP affiliated company

Chain of Custody Record

Page 1 of 1

Project Name: ARCO 11102
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy):

On-site Time:	11:30	Temp:	58
Off-site Time:	1345	Temp:	61
Sky Conditions:	cloudy		
Meteorological Events:	Rain		
Wind Speed:	5	Direction:	NW

Lab Name:	TestAmerica	BP/AR Facility No.:	11102
Address:	885 Jarvis Drive	BP/AR Facility Address:	100 MacArthur Blvd., Oakland
	Morgan Hill, CA 95937	Site Lat/Long:	
Lab PM:	Lisa Race	California Global ID No.:	T0600100908
Tel/Fax:	408-782-8156 408-782-6308 (fax)	Enfos Project No.:	[redacted] G07 T4-0006
BP/AR PM Contact:	Paul Supple	Provision or OOC (circle one)	Provision
Address:	2010 Crow Canyon Place, Suite 150	Phase/WBS:	04-Monitoring
	San Ramon, CA	Sub Phase/Task:	03-Analytical
Telefax:	925-275-3506	Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	E11102-04
Consultant/Contractors PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Lab Bottle Order No:

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/Oxy*	1,2-DCA	Ethanol	EDB	DRO	Ferrous Fe	NO3	SO4	H2S	Sample Point Lat/Long and Comments (*Oxy= MTBE,TAME,ETBE,DIPE,TBA)
1	MW1	1325	1-22-8					6	3					X	X	X	X	X	X	X	X	X	
2	MW-2	1315						6	3					X	X	X	X	X	X	X	X	X	
3	MW-3	1210						6	3					X	X	X	X	X	X	X	X	X	
4	TB-EE02 - 07102007	600						3						X	X	X	X	X	X	X	X	X	HOLD
5																							

Sampler's Name:	Jerry Gonzales	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Doulos ENV	[signature]	1-22	1510	[signature]	1-22	1510
Shipment Date:							
Shipment Method:							
Shipment Tracking No:							

Instructions: Please cc results to rmiller@broadbentinc.com **short hold**

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: °F/C | Trip Blank: Yes / No

TestAmerica
ANALYTICAL TESTING CORPORATION

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

6 February, 2008

Jay Johnson
Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park, CA 95682

RE: BP Heritage #11102, Oakland, CA
Work Order: MRA0906

Enclosed are the results of analyses for samples received by the laboratory on 01/22/08 20:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 2682

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.

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11102, Oakland, CA	MRA0906
3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MRA0906-01	Water	01/22/08 13:25	01/22/08 20:30
MW-2	MRA0906-02	Water	01/22/08 13:15	01/22/08 20:30
MW-3	MRA0906-03	Water	01/22/08 12:10	01/22/08 20:30
TB 11102-07102007	MRA0906-04	Water	01/22/08 06:00	01/22/08 20:30

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.

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Stratus Environmental Inc. [Arco]	Project: BP Heritage #11102, Oakland, CA	MRA0906
3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Volatiles Organic Compounds by 8260B/LUFT GC/MS

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0906-01) Water Sampled: 01/22/08 13:25 Received: 01/22/08 20:30									
Gasoline Range Organics (C4-C12)	**240**	50	ug/l	1	8A26001	01/26/08	01/26/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**110**	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	**0.83**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**7.2**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.7**	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*55-130*		"	"	"	"	
MW-2 (MRA0906-02) Water Sampled: 01/22/08 13:15 Received: 01/22/08 20:30									
Gasoline Range Organics (C4-C12)	ND	2500	ug/l	50	8A26001	01/26/08	01/26/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
Benzene	ND	25	"	"	"	"	"	"	
tert-Butyl alcohol	**6000**	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	15000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**1400**	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80 %*	*55-130*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: BP Heritage #11102, Oakland, CA	MRA0906
3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Volatiles Organic Compounds by 8260B/LUFT GC/MS

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MRA0906-03) Water Sampled: 01/22/08 12:10 Received: 01/22/08 20:30									
Gasoline Range Organics (C4-C12)	**1600**	1200	ug/l	25	8A26001	01/26/08	01/26/08	EPA 8260B/LUFT GC/MS	PV
tert-Amyl methyl ether	**34**	12	"	"	"	"	"	"	
Benzene	ND	12	"	"	"	"	"	"	
tert-Butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	12	"	"	"	"	"	"	
Ethanol	ND	7500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	12	"	"	"	"	"	"	
Ethylbenzene	ND	12	"	"	"	"	"	"	
Methyl tert-butyl ether	**2800**	12	"	"	"	"	"	"	
Toluene	ND	12	"	"	"	"	"	"	
Xylenes (total)	ND	12	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-150*		"	"	"	"	
Surrogate: Toluene-d8		*87 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80 %*	*55-130*		"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0906-01) Water	**Sampled: 01/22/08 13:25**	**Received: 01/22/08 20:30**							
Hydrogen Sulfide (H2S)	ND	1000	ug/l	1	8B06012	02/06/08	02/06/08	SM 4500-S2-	
MW-2 (MRA0906-02) Water	**Sampled: 01/22/08 13:15**	**Received: 01/22/08 20:30**							
Hydrogen Sulfide (H2S)	ND	1000	ug/l	1	8B06012	02/06/08	02/06/08	SM 4500-S2-	
MW-3 (MRA0906-03) Water	**Sampled: 01/22/08 12:10**	**Received: 01/22/08 20:30**							
Hydrogen Sulfide (H2S)	ND	1000	ug/l	1	8B06012	02/06/08	02/06/08	SM 4500-S2-	

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Ferrous Iron by Hach method 8146/1;10 Phenanthroline Method

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0906-01) Water	**Sampled: 01/22/08 13:25**	**Received: 01/22/08 20:30**							
Ferrous Iron	**420**	100	ug/l	1	8A25016	01/22/08	01/22/08 22:10	Hach Co. 8146	
MW-2 (MRA0906-02) Water	**Sampled: 01/22/08 13:15**	**Received: 01/22/08 20:30**							
Ferrous Iron	**150**	100	ug/l	1	8A25016	01/22/08	01/22/08 22:10	Hach Co. 8146	
MW-3 (MRA0906-03) Water	**Sampled: 01/22/08 12:10**	**Received: 01/22/08 20:30**							
Ferrous Iron	ND	100	ug/l	1	8A25016	01/22/08	01/22/08 22:10	Hach Co. 8146	

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Anions by EPA Method 300.0

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0906-01) Water	**Sampled: 01/22/08 13:25**	**Received: 01/22/08 20:30**							
Nitrate as NO3	**760**	500	ug/l	1	8A23018	01/22/08	01/23/08 01:05	EPA 300.0	
Sulfate as SO4	**11000**	500	"	"	"	"	"	"	
MW-2 (MRA0906-02) Water	**Sampled: 01/22/08 13:15**	**Received: 01/22/08 20:30**							
Nitrate as NO3	**8500**	500	ug/l	1	8A23018	01/22/08	01/23/08 01:32	EPA 300.0	
Sulfate as SO4	**26000**	5000	"	10	"	"	01/23/08	"	
MW-3 (MRA0906-03) Water	**Sampled: 01/22/08 12:10**	**Received: 01/22/08 20:30**							
Nitrate as NO3	**5600**	500	ug/l	1	8A23018	01/22/08	01/23/08 01:58	EPA 300.0	
Sulfate as SO4	**17000**	500	"	"	"	"	"	"	

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8A26001 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS										
Blank (8A26001-BLK1)				Prepared & Analyzed: 01/26/08						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
tert-Amyl methyl ether	ND	0.50	"							
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: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-150*			
Surrogate: Toluene-d8	*2.33*		"	*2.50*		*93*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.12*		"	*2.50*		*85*	*55-130*			
Laboratory Control Sample (8A26001-BS1)				Prepared & Analyzed: 01/26/08						
tert-Amyl methyl ether	10.4	0.50	ug/l	10.0		104	75-125			
Benzene	9.91	0.50	"	10.0		99	75-120			
tert-Butyl alcohol	176	20	"	200		88	80-120			
Di-isopropyl ether	10.2	0.50	"	10.0		102	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	75-130			
1,2-Dichloroethane	9.99	0.50	"	10.0		100	65-130			
Ethanol	184	300	"	200		92	50-150			
Ethyl tert-butyl ether	9.76	0.50	"	10.0		98	75-130			
Ethylbenzene	10.6	0.50	"	10.0		106	80-125			
Methyl tert-butyl ether	10.1	0.50	"	10.0		101	80-130			
Toluene	9.98	0.50	"	10.0		100	80-120			
Xylenes (total)	32.6	0.50	"	30.0		109	80-125			
Surrogate: Dibromofluoromethane	*2.51*		"	*2.50*		*100*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.51*		"	*2.50*		*100*	*60-150*			
Surrogate: Toluene-d8	*2.51*		"	*2.50*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.61*		"	*2.50*		*104*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8A26001 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS										
Laboratory Control Sample (8A26001-BS2)				Prepared & Analyzed: 01/26/08						
Gasoline Range Organics (C4-C12)	434	50	ug/l	500		87	55-130			
Surrogate: Dibromofluoromethane	*2.43*		"	*2.50*		*97*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.49*		"	*2.50*		*100*	*60-150*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.69*		"	*2.50*		*108*	*55-130*			
Laboratory Control Sample Dup (8A26001-BSD2)				Prepared & Analyzed: 01/26/08						
Gasoline Range Organics (C4-C12)	444	50	ug/l	500		89	55-130	2	20	
Surrogate: Dibromofluoromethane	*2.38*		"	*2.50*		*95*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.52*		"	*2.50*		*101*	*60-150*			
Surrogate: Toluene-d8	*2.57*		"	*2.50*		*103*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.68*		"	*2.50*		*107*	*55-130*			
Matrix Spike (8A26001-MS1)	**Source: MRA0884-16**			Prepared & Analyzed: 01/26/08						
Gasoline Range Organics (C4-C12)	1360	50	ug/l	550	675	124	25-150			
tert-Amyl methyl ether	13.3	0.50	"	10.0	ND	133	75-140			
Benzene	11.8	0.50	"	10.0	0.190	116	80-120			
tert-Butyl alcohol	213	20	"	200	5.69	104	80-125			
Di-isopropyl ether	12.2	0.50	"	10.0	ND	122	75-135			
1,2-Dibromoethane (EDB)	12.7	0.50	"	10.0	ND	127	80-135			
1,2-Dichloroethane	12.0	0.50	"	10.0	0.120	118	65-145			
Ethanol	232	300	"	200	ND	116	50-150			
Ethyl tert-butyl ether	11.9	0.50	"	10.0	ND	119	80-135			
Ethylbenzene	12.5	0.50	"	10.0	0.220	123	75-130			
Methyl tert-butyl ether	12.4	0.50	"	10.0	0.310	121	75-145			
Toluene	12.4	0.50	"	10.0	0.430	120	80-125			
Xylenes (total)	39.6	0.50	"	30.0	1.77	126	75-125			LM
Surrogate: Dibromofluoromethane	*2.53*		"	*2.50*		*101*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.52*		"	*2.50*		*101*	*60-150*			
Surrogate: Toluene-d8	*2.65*		"	*2.50*		*106*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.66*		"	*2.50*		*106*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8A26001 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS										
Matrix Spike Dup (8A26001-MSD1)	**Source: MRA0884-16**			Prepared & Analyzed: 01/26/08						
Gasoline Range Organics (C4-C12)	1270	50	ug/l	550	675	108	25-150	7	20	
tert-Amyl methyl ether	12.3	0.50	"	10.0	ND	123	75-140	8	25	
Benzene	10.6	0.50	"	10.0	0.190	104	80-120	11	20	
tert-Butyl alcohol	194	20	"	200	5.69	94	80-125	9	25	
Di-isopropyl ether	11.0	0.50	"	10.0	ND	110	75-135	11	25	
1,2-Dibromoethane (EDB)	11.6	0.50	"	10.0	ND	116	80-135	9	30	
1,2-Dichloroethane	11.0	0.50	"	10.0	0.120	109	65-145	8	25	
Ethanol	203	300	"	200	ND	102	50-150	13	25	
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	80-135	10	25	
Ethylbenzene	11.1	0.50	"	10.0	0.220	109	75-130	11	20	
Methyl tert-butyl ether	11.5	0.50	"	10.0	0.310	112	75-145	8	25	
Toluene	11.2	0.50	"	10.0	0.430	107	80-125	11	25	
Xylenes (total)	35.6	0.50	"	30.0	1.77	113	75-125	11	20	
Surrogate: Dibromofluoromethane	*2.52*		"	*2.50*		*101*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-150*			
Surrogate: Toluene-d8	*2.63*		"	*2.50*		*105*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*2.57*		"	*2.50*		*103*	*55-130*			

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8B06012 - General Preparation / SM 4500-S2-										
Blank (8B06012-BLK1)				Prepared & Analyzed: 02/06/08						
Hydrogen Sulfide (H2S)	ND	1000	ug/l							

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Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Ferrous Iron by Hach method 8146/1;10 Phenanthroline Method - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8A25016 - General Preparation / Hach Co. 8146										
Blank (8A25016-BLK1)				Prepared & Analyzed: 01/22/08						
Ferrous Iron	ND	100	ug/l							
Laboratory Control Sample (8A25016-BS1)				Prepared & Analyzed: 01/22/08						
Ferrous Iron	410	100	ug/l	400		102	80-120			
Matrix Spike (8A25016-MS1)	**Source: MRA0906-03**			Prepared & Analyzed: 01/22/08						
Ferrous Iron	428	100	ug/l	400	ND	107	75-125			
Matrix Spike Dup (8A25016-MSD1)	**Source: MRA0906-03**			Prepared & Analyzed: 01/22/08						
Ferrous Iron	440	100	ug/l	400	ND	110	75-125	3	20	

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Anions by EPA Method 300.0 - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8A23018 - General Preparation / EPA 300.0										
Blank (8A23018-BLK1)				Prepared & Analyzed: 01/22/08						
Sulfate as SO4	ND	500	ug/l							
Nitrate as NO3	ND	500	"							
Laboratory Control Sample (8A23018-BS1)				Prepared & Analyzed: 01/22/08						
Sulfate as SO4	9960	500	ug/l	10000		100	90-110			
Nitrate as NO3	9960	500	"	10000		100	90-110			
Matrix Spike (8A23018-MS1)	**Source: MRA0820-09**			Prepared & Analyzed: 01/22/08						
Sulfate as SO4	36900	5000	ug/l	10000	30000	69	80-120			LN
Nitrate as NO3	38700	5000	"	10000	32500	62	80-120			LN
Matrix Spike Dup (8A23018-MSD1)	**Source: MRA0820-09**			Prepared & Analyzed: 01/22/08						
Sulfate as SO4	37200	5000	ug/l	10000	30000	72	80-120	0.8	20	LN
Nitrate as NO3	38200	5000	"	10000	32500	58	80-120	1	20	LN

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3330 Cameron Park Dr., Suite 550	Project Number: G07T9-0036	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	02/06/08 14:43

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
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

Atlantic Richfield Company
bp A BP affiliated company

Chain of Custody Record

Project Name: ARCO 11102
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy):

On-site Time: 11:30	Temp: 58
Off-site Time: 1345	Temp: 61
Sky Conditions: Cloudy	
Meteorological Events: Rain	
Wind Speed: 5	Direction: NW

Lab Name: TestAmerica	
Address: 885 Jarvis Drive	
Morgan Hill, CA 95937	
Lab PM: Lisa Race	
Tele/Fax: 408-782-8156 408-782-6308 (fax)	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	
Lab Bottle Order No:	

BP/AR Facility No.:	11102
BP/AR Facility Address:	100 MacArthur Blvd., Oakland
Site Lat/Long:	
California Global ID No.:	T0600100908
Enfos Project No.:	[redacted] G0T T9-0036
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682
Consultant/Contractor Project No.:	E11102-04
Consultant/Contractor PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No. MRA0906	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analysis: GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	[illegible, crossed out]	Ferrous Fe	NO3	SO4	H2S		Sample Point Lat/Long and Comments
1	MW-1	1325	1-22-08				-01	6	3						X	X	X	X	[struck]	X	X	X	X		
2	MW-2	1315					-02	6	3						X	X	X	X	[struck]	X	X	X	X		
3	MW-3	1210					-03	6	3						X	X	X	X	[struck]	X	X	X	X		
4	TB 11102 - 07102007	600					-04	3							X	X	X	X	[struck]	X	X	X	X		HOLD
5																									
6																									
7																									
8																									
9																									
10																									

*Oxy = MTBE, TAME, ETBE, DIPE, TBA

REVISED

Sampler's Name: Jerry Gonzales
Sampler's Company: Doulos ENV
Shipment Date:
Shipment Method:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[illegible signature]	1-22	1610	[illegible signature]	1-22	[illegible]
[illegible signature]	1-22	1800	[illegible signature]	1-22	[illegible]
Ed Martinez	1-22	2030	[illegible signature]	1-22	2030

Special Instructions: Please cc results to rmiller@broadbentinc.com **short hold**

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Lisa Race MRA0906

From: Sandy Hayes [shayes@stratusinc.net]
Sent: Thursday, January 24, 2008 9:43 AM
To: Lisa Race
Subject: RE: Problem COCs for ARCO#0573 (prob coc) and BP#11102 (prob coc 2)
Attachments: Revised COC 11102.pdf

Hi Lisa,

ORP readings were taken in the field. Please see the revised COC attached.

Thanks!

Sandy Hayes
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682
shayes@stratusinc.net
Phone: 530.313.9964
Fax: 530.676.6005

REVISED

-----Original Message-----
From: Lisa Race [mailto:lisa.race@testamericainc.com]
Sent: Wednesday, January 23, 2008 11:45 AM
To: knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; Sonia Nandi
Subject: Problem COCs for ARCO#0573 (prob coc) and BP#11102 (prob coc 2)
Importance: High

ARCO#0573

The sample containers do not match the sample ID on the COC and there is no note to composite samples. Sample containers are labeled SP1 A, SP1 B, SP1 C, SP1 D, SP2 A, SP2 B, ETC. Please advise.

BP#11102

What analysis is ORP?

See attached. Feel free to contact me with any questions. Please note new e-mail address: Lisa.Race@Testamericainc.com

LISA RACE
Senior Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
Tel 408.782.8156 | Fax 408.782.6308
www.testamericainc.com

MRA0906

REVISED

9

Atlantic Richfield Company

bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 11102
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy):

On-site Time:	1150	Temp:	58
Off-site Time:	1345	Temp:	61
Sky Conditions:	cloudy		
Meteorological Events:	Rain		
Wind Speed:	S	Direction:	NW

Lab Name:	TestAmerica
Address:	885 Jarvis Drive
	Morgan Hill, CA 95937
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156 408-782-6308 (fax)

BP/AR PM Contact:	Paul Supple
Address:	2010 Crow Canyon Place, Suite 150
	San Ramon, CA
Tele/Fax:	925-275-3506

BP/AR Facility No.:	11102
BP/AR Facility Address:	100 MacArthur Blvd., Oakland
Site Lat/Long:	
California Global ID No.:	T0600100908
Enfos Project No.:	[redacted] 601 T9-0036
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	E11102-04
Consultant/Contractor PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Lab Bottle Order No:

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/Oxy*	Requested Analysis: 1,2-DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: ORP	Requested Analysis: Ferrous Fe	Requested Analysis: NO3	Requested Analysis: SO4	Requested Analysis: H2S	Sample Point Lat/Long and Comments
							MRA0906																
1	MW-1	1325	1-22-8				-01	6	3					X	X	X	X	X	X	X	X	X	
2	MW-2	1315					-02	6	3					X	X	X	X	X	X	X	X	X	
3	MW-3	1210					-03	6	3					X	X	X	X	X	X	X	X	X	
4	TB 11102 - 07102007	600					-04	3						X	X	X	X	X	X	X	X	X	HOLD
5																							
6																							
7																							
8																							
9																							
10																							

*Oxy= MTBE,TAME,ETBE,DIPE,TBA

Sampler's Name:	Jerry Gonzales
Sampler's Company:	Doulos ENV
Shipment Date:	
Shipment Method:	
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	1-22	1510		1-22	1510
	1-22	1800		1-22	1800
	1-22	2030		1/22	2030

Special Instructions: Please cc results to rmiller@broadbentinc.com **short hold**

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Stratoc
REC. BY (PRINT): Faniza
WORKORDER: MRA0908

DATE REC'D AT LAB: 1/22/08
TIME REC'D AT LAB: 2030
DATE LOGGED IN: 1/25/08

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
✓ OTHER

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s) — Present / **Absent** (circled); Intact / Broken*
2. Chain-of-Custody — **Present** (circled) / Absent*
3. Traffic Reports or Packing List: — Present / **Absent**
4. Airbill: — Airbill / Sticker; Present / **Absent** (circled)
5. Airbill #:
6. Sample Labels: — Present / Absent
7. Sample IDs: — **Listed** (circled) / Not Listed on Chain-of-Custody
8. Sample Condition: — **Intact** (circled) / Broken* / Leaking*
9. Does information on chain-of-custody, traffic reports and sample labels agree? — **Yes** (circled) / No*
10. Sample received within hold time? — **Yes** (circled) / No*
11. Adequate sample volume received? — **Yes** (circled) / No*
12. Proper preservatives used? — Yes / No*
13. Trip Blank / Temp Blank Received? (circle which, if yes) — **Yes** (circled) / No*
14. Read Temp: 5.4°C
    Correction Factor: -1.0
    Corrected Temp: 4.4°C
    Is corrected temp. 0-6°C? — **Yes** (circled) / No**

**Exception (if any): Metals / Perchlorate
DFF on Ice or Problem COC

LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
-01	MW-1	3 (VOA)	HCl	—	W	1/22/08	
↓	↓	1L Amber	—	↓	↓	↓	
		1L Poly	—				
		poly	—				
-02	MW-2	same					
-03	MW-3	same					
-04	TB-11102-07102072	(VOA)	HCl	↓	↓	↓	

1/23/08 FF

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

SAMPLERECEIPTLOG
Revision 9 (10/26/07)

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION

Electronic Submittal Information

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**1Q08 GEO_WELL 11102**
Facility Global ID:	**T0600100908**
Facility Name:	**BP #11102**
Submittal Date/Time:	**3/3/2008 11:09:59 AM**
Confirmation Number:	**8876973032**

Back to Main Menu

Electronic Submittal Information

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

Your EDF file has been successfully uploaded!

Confirmation Number: 9914668738
Date/Time of Submittal: 3/3/2008 11:12:07 AM
Facility Global ID: T0600100908
Facility Name: BP #11102
Submittal Title: 1Q08 GW Monitoring
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

BP #11102
100 MACARTHUR
OAKLAND, CA 94610

Regional Board - Case #: 01-0985
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000456
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
9914668738	1Q08 GW Monitoring	Q1 2008

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	3/3/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

METHODS USED	8260FAB,A4500SH,E300.0,E300A,H8146
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