



Atlantic Richfield Company
(a BP affiliated company)

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

30 October 2007

Re: Third Quarter 2007 Annual Ground-Water Monitoring Report
Atlantic Richfield Company Station #6148
5131 Shattuck Avenue
Oakland, California
ACEH Case #RO0000077

RECEIVED

10:17 am, Nov 02, 2007

Alameda County
Environmental Health



“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 Manger

**Third Quarter 2007 Annual Ground-Water
Monitoring Report**
Atlantic Richfield Company Station #6148
5131 Shattuck Avenue
Oakland, California

Prepared for

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

Prepared by



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

30 October 2007

Project No. 06-08-638

30 October 2007

Project No. 06-08-638

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

Attn.: Mr. Paul Supple

Re: Third Quarter 2007 Annual Ground-Water Monitoring Report, Atlantic Richfield Company (a BP affiliated company) Station #6148, 5131 Shattuck Avenue, Oakland, Alameda County, California; ACEH Case #RO000077

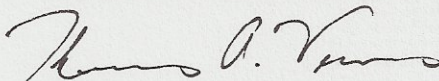
Dear Mr. Supple:

Provided herein is the *Third Quarter 2007 Annual Ground-Water Monitoring Report* for Atlantic Richfield Company Station #6148 (herein referred to as Station #6148) located at 5131 Shattuck Avenue, Oakland, Alameda County, California (Property). This report presents results of annual ground-water monitoring conducted during Third Quarter 2007. Case closure was requested by BP from Alameda County Environmental Health (ACEH) on 13 April 2004. BP is currently awaiting a response from ACEH.

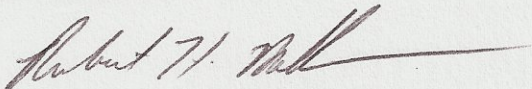
Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

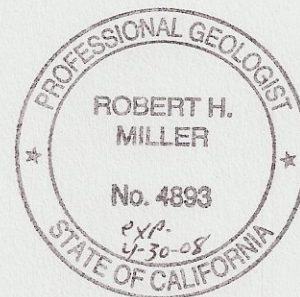
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



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



Enclosures

cc: Mr. Steven Plunkett, ACEH (Submitted via ACEH ftp Site)
Electronic copy uploaded to GeoTracker

STATION #6148 ANNUAL GROUND-WATER MONITORING REPORT

Facility: #6148	Address:	5131 Shattuck Avenue, Oakland
Environmental Business Manager:		Mr. Paul Supple
Consulting Co./Contact Persons:		Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400
Consultant Project No.:		06-08-638
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000077
Facility Permits/Permitting Agency.:		NA

WORK PERFORMED THIS QUARTER (Third Quarter 2007):

1. Prepared and submitted Second Quarter 2007 Status Report.
2. Conducted Third Quarter 2007 annual ground-water monitoring/sampling. Work performed by Stratus Environmental, Inc (Stratus) on 15 August 2007.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2007):

1. Prepared and submitted this Third Quarter 2007 Annual Ground-Water Monitoring Report (contained herein).
2. No environmental work is scheduled to be completed during Fourth Quarter 2007.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Ground-water monitoring/sampling
Frequency of ground-water monitoring:	Annually (3Q): Wells MW-1 through MW-7
Frequency of ground-water sampling:	Annually (3Q): Wells MW-1 through MW-7
Is free product (FP) present on-site:	No
FP recovered this quarter:	None
Cumulative FP recovered:	None
Current remediation techniques:	Not Applicable
Depth to ground water (below TOC):	14.47 ft (MW-6) to 17.92 ft (MW-1)
General ground-water flow direction:	Southwest
Approximate hydraulic gradient:	0.015 ft/ft

DISCUSSION:

Third quarter 2007 ground-water monitoring and sampling was conducted at Station #6148 on 15 August 2007 by Stratus personnel. Water levels were gauged in six of the seven wells at the Site. Well MW-5 was behind a locked gate and could not be accessed. Upon approval by the station manager, a technician will cut the lock and replace it during the next site visit. No other irregularities were noted during water level gauging. Depth to water measurements ranged from 14.47 ft at MW-6 to 17.92 ft at MW-1. Resulting ground-water surface elevations ranged from 97.49 ft above mean sea level in up-gradient well MW-7 to 95.17 ft above mean sea level in down-gradient 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 to the southwest at approximately 0.015 ft/ft, 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. Potentiometric ground-water elevation contours are presented in Drawing 1.

Ground-water samples were collected from six of the seven wells at the Site. Well MW-5 was behind a locked gate and could not be accessed as previously mentioned. No other irregularities were reported 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, C4-12) 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), Diisopropyl 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. No significant 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.

No chemical constituents analyzed for were detected above their laboratory reporting limits in the six wells sampled this quarter. Historic laboratory analytical results are summarized in Table 1 and Table 2. The most recent GRO, Benzene, and MTBE concentrations (i.e. ND) are also presented in Drawing 1. A copy of the Laboratory Analytical Report, including chainof-custody documentation 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.

Case closure was requested by BP on 13 April 2004 from ACEH. BP is currently awaiting a response from the ACEH to the case closure request.

CLOSURE:

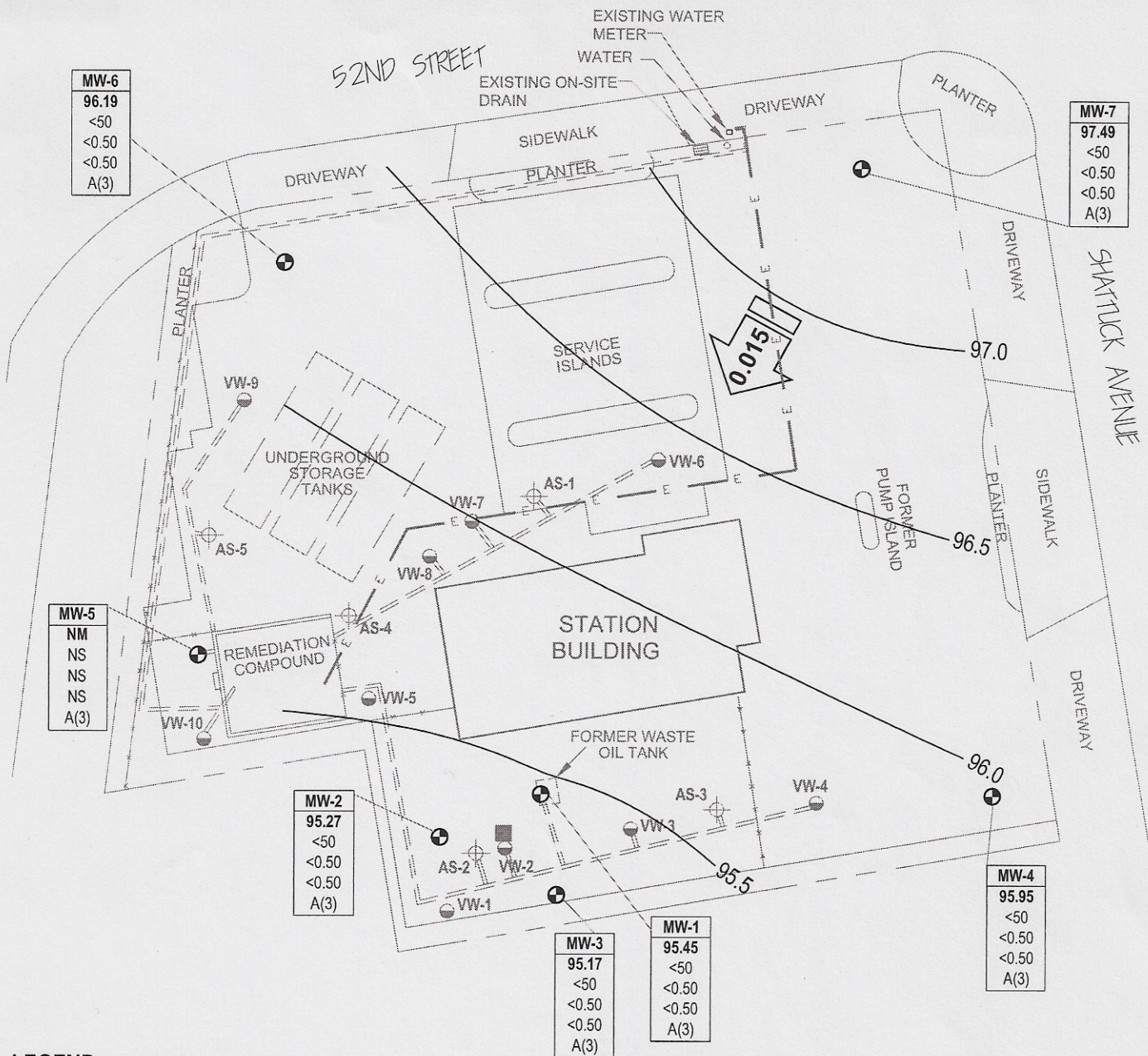
The findings presented in this report are based upon: observations of Stratus field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Test America (Morgan Hill, CA). Our services were performed in accordance with the generally accepted standard of practice 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, 15 August 2007, Station #6148, 5131 Shattuck Avenue, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #6148, 5131 Shattuck Ave., Oakland, CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #6148, 5131 Shattuck Ave., Oakland, CA
- Table3. Historical Ground-Water Flow Direction and Gradient, Station #6148, 5131 Shattuck Ave., Oakland, CA

Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets and Laboratory Analytical Report with Chain-of-Custody Documentation)

Appendix B. GeoTracker Upload Confirmation



MW-6
96.19
<50
<0.50
<0.50
A(3)

MW-7
97.49
<50
<0.50
<0.50
A(3)

MW-5
NM
NS
NS
NS
A(3)

MW-2
95.27
<50
<0.50
<0.50
A(3)

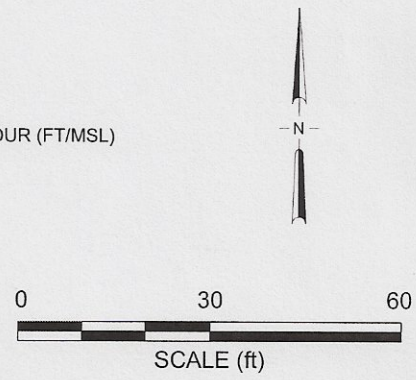
MW-3
95.17
<50
<0.50
<0.50
A(3)

MW-1
95.45
<50
<0.50
<0.50
A(3)

MW-4
95.95
<50
<0.50
<0.50
A(3)

LEGEND

- MONITORING WELL
 - AIR SPARGING WELL
 - SOIL VAPOR EXTRACTION WELL
 - DESTROYED WELL
 - ELECTRICAL LINE
 - FENCING
 - REMEDIATION PIPING
 - GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)
 - GROUND-WATER ELEVATION CONTOUR (FT/MSL)
- | | |
|----------------|---|
| Well | WELL DESIGNATION |
| ELEV | GROUND-WATER ELEVATION (FT ABOVE MSL) |
| GRO | CONCENTRATION OF GRO, BENZENE AND MTBE IN GROUND WATER (µg/L) |
| Benzene | |
| MTBE | |
| A | SAMPLING FREQUENCY |
- A(3) SAMPLED ANNUALLY, 3RD QUARTER
 - < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
 - NS NOT SAMPLED
 - ORC OXYGEN RELEASING COMPOUND SOCK



NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

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

Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-1															
6/21/2000	--		107.80	13.00	26.00	17.49	90.31	<50	<0.5	<0.5	<0.5	<1.0	<3.0	--	--
9/20/2000	--		107.80	13.00	26.00	17.64	90.16	<50	<0.5	0.677	<0.5	0.969	<2.5	--	--
12/22/2000	--		107.80	13.00	26.00	16.87	90.93	186	5.38	0.522	9.52	30.2	8.91	--	--
3/26/2001	--		107.80	13.00	26.00	16.60	91.20	<50	<0.5	<0.5	<0.5	<0.5	9.1	--	--
5/30/2001	--		107.80	13.00	26.00	17.10	90.70	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/23/2001	--		107.80	13.00	26.00	17.53	90.27	<50	<0.5	<0.5	<0.5	<0.5	6.7	--	--
12/28/2001	--		107.80	13.00	26.00	15.57	92.23	<50	2.7	<0.5	<0.5	<0.5	20	--	--
3/21/2002	--		107.80	13.00	26.00	15.57	92.23	--	--	--	--	--	--	--	--
4/17/2002	--		107.80	13.00	26.00	16.25	91.55	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
8/19/2002	--		107.80	13.00	26.00	17.69	90.11	<50	<0.5	<0.5	<0.5	<0.5	<2.5	2.0	7.1
11/27/2002	--		107.80	13.00	26.00	17.45	90.35	<50	<0.50	1.8	0.65	3.5	1.7	1.0	6.3
2/5/2003	--	d	107.80	13.00	26.00	16.93	90.87	<50	<0.50	<0.50	<0.50	<0.50	1.1	1.2	7.3
5/13/2003	--		107.80	13.00	26.00	16.95	90.85	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	6.5
7/31/2003	--		107.80	13.00	26.00	17.74	90.06	<50	<0.50	<0.50	<0.50	<0.50	0.55	1.2	6
12/17/2003	NP		107.80	13.00	26.00	17.03	90.77	<50	<0.50	<0.50	<0.50	<0.50	2.5	2.0	6.5
05/05/2004	NP		113.37	13.00	26.00	17.28	96.09	<50	<0.50	<0.50	<0.50	<0.50	0.60	2.6	6.4
08/25/2004	NP		113.37	13.00	26.00	17.72	95.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.9
11/29/2004	NP		113.37	13.00	26.00	17.45	95.92	<50	<0.50	<0.50	<0.50	<0.50	0.62	0.92	6.8
01/31/2005	NP		113.37	13.00	26.00	16.67	96.70	<50	<0.50	<0.50	<0.50	<0.50	0.59	1.63	6.1
05/09/2005	NP		113.37	13.00	26.00	16.77	96.60	<50	<0.50	<0.50	<0.50	<0.50	0.55	1.03	6.7
08/10/2005	NP		113.37	13.00	26.00	17.76	95.61	<50	<0.50	<0.50	<0.50	<0.50	0.62	0.9	7.0
8/29/2006	P		113.37	13.00	26.00	17.63	95.74	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	6.6
8/15/2007	NP		113.37	13.00	26.00	17.92	95.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.09	7.14
MW-2															
6/21/2000	--		107.28	14.00	26.00	17.19	90.09	69	<0.5	<0.5	<0.5	<1.0	12	--	--
9/20/2000	--		107.28	14.00	26.00	17.31	89.97	<50	0.964	<0.5	<0.5	<.05	5.05	--	--
12/22/2000	--		107.28	14.00	26.00	16.58	90.70	2,140	174	60.2	118	438	123	--	--
3/26/2001	--		107.28	14.00	26.00	16.45	90.83	8,490	333	148	495	1,660	<250	--	--
5/30/2001	--		107.28	14.00	26.00	16.83	90.45	4,700	200	71	260	780	43	--	--
9/23/2001	--		107.28	14.00	26.00	17.30	89.98	160	5.9	1.8	0.8	41	14	--	--

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

Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-2 Cont.															
12/28/2001	--		107.28	14.00	26.00	15.38	91.90	1,800	54	<5.0	<5.0	240	30	--	--
3/21/2002	--		107.28	14.00	26.00	15.36	91.92	--	--	--	--	--	--	--	--
4/17/2002	--		107.28	14.00	26.00	16.01	91.27	<50	<0.5	<0.5	<0.5	<0.5	10	--	--
8/19/2002	--	a	107.28	14.00	26.00	17.53	89.75	170	22	0.92	14	26	<2.5	3.0	6.9
11/27/2002	--		107.28	14.00	26.00	17.21	90.07	340	22	0.68	13	26	<0.50	1.6	6.6
2/5/2003	--	d	107.28	14.00	26.00	16.72	90.56	83	2.7	<0.50	0.97	15	4.3	0.7	7.0
05/13/2003	NP	f	107.28	14.00	26.00	16.72	90.56	<50	0.91	<0.50	<0.50	0.6	2.8	0.7	6.5
7/31/2003	--		107.28	14.00	26.00	17.51	89.77	<50	<0.50	<0.50	<0.50	<0.50	2.0	7.1	6.7
12/17/2003	NP		107.28	14.00	26.00	16.78	90.50	51	1.0	<0.50	<0.50	<0.50	2.4	8.1	7.1
02/13/2004	NP	e	112.87	14.00	26.00	16.63	96.24	50	0.70	<0.50	0.54	0.90	1.6	5.6	6.7
05/05/2004	NP		112.87	14.00	26.00	17.04	95.83	<50	<0.50	<0.50	<0.50	<0.50	0.99	4.3	6.9
08/25/2004	NP		112.87	14.00	26.00	17.55	95.32	<50	<0.50	<0.50	<0.50	<0.50	0.63	7.5	6.6
11/29/2004	NP		112.87	14.00	26.00	17.24	95.63	85	10	<0.50	4.6	1.0	0.55	1.41	6.9
01/31/2005	NP		112.87	14.00	26.00	16.48	96.39	<50	<0.50	<0.50	<0.50	<0.50	1.2	0.76	6.1
05/09/2005	NP		112.87	14.00	26.00	16.52	96.35	<50	0.68	<0.50	<0.50	<0.50	1.8	0.7	6.6
08/10/2005	NP		112.87	14.00	26.00	17.48	95.39	<50	1.8	<0.50	<0.50	<0.50	1.5	0.62	6.7
8/29/2006	P		112.87	14.00	26.00	17.33	95.54	660	6.4	<0.50	1.5	2.5	<0.50	0.8	6.4
8/15/2007	NP		112.87	14.00	26.00	17.60	95.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	6.81
MW-3															
6/21/2000	--		107.61	14.00	26.00	17.52	90.09	200	<0.5	<0.5	<0.5	2.1	24	--	--
9/20/2000	--		107.61	14.00	26.00	17.61	90.00	<50	<0.5	<0.5	<0.5	<0.5	20	--	--
12/22/2000	--		107.61	14.00	26.00	16.85	90.76	227	4.73	1.06	2.58	5.22	27.3	--	--
3/26/2001	--		107.61	14.00	26.00	16.79	90.82	287	6.29	1.58	6.47	12.1	24.2	--	--
5/30/2001	--		107.61	14.00	26.00	17.11	90.50	500	10	<0.5	7.00	16	20	--	--
9/23/2001	--		107.61	14.00	26.00	17.57	90.04	400	6.4	0.74	<0.5	0.62	22	--	--
12/28/2001	--		107.61	14.00	26.00	15.41	92.20	270	2.5	2.4	<0.5	2.3	9.2	--	--
3/21/2002	--		107.61	14.00	26.00	15.58	92.03	--	--	--	--	--	--	--	--
4/17/2002	--		107.61	14.00	26.00	16.25	91.36	360	2.5	0.72	<0.5	<0.5	12	--	--
8/19/2002	--	b	107.61	14.00	26.00	17.66	89.95	750	11	2.1	<0.5	2.4	14	1.4	6.8
11/27/2002	--		107.61	14.00	26.00	17.69	89.92	470	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.6

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

Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)					DO (mg/L)	pH	
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes			MTBE
MW-3 Cont.															
2/5/2003	--	d	107.61	14.00	26.00	16.82	90.79	<50	<0.50	<0.50	<0.50	<0.50	2.4	1.3	6.6
5/13/2003	--		107.61	14.00	26.00	17.12	90.49	300	<0.50	<0.50	<0.50	<0.50	2.2	1.4	6.7
7/31/2003	--		107.61	14.00	26.00	17.72	89.89	320	<0.50	<0.50	<0.50	<0.50	2.1	1.4	6.8
12/17/2003	NP		107.61	14.00	26.00	16.95	90.66	340	0.51	<0.50	<0.50	<0.50	4.8	1.3	6.7
02/13/2004	NP	e	113.05	14.00	26.00	16.77	96.28	<50	<0.50	<0.50	<0.50	<0.50	3.1	2.1	7.1
05/05/2004	NP		113.05	14.00	26.00	17.22	95.83	<50	<0.50	<0.50	<0.50	<0.50	1.3	1.2	6.9
08/25/2004	NP		113.05	14.00	26.00	17.66	95.39	<50	<0.50	<0.50	<0.50	<0.50	3.3	1.2	7.1
11/29/2004	NP		113.05	14.00	26.00	17.47	95.58	110	<0.50	<0.50	<0.50	<0.50	1.4	1.0	6.9
01/31/2005	NP		113.05	14.00	26.00	16.16	96.89	<50	<0.50	<0.50	<0.50	<0.50	2.0	0.87	6.2
05/09/2005	NP		113.05	14.00	26.00	16.64	96.41	50	<0.50	<0.50	<0.50	<0.50	0.80	0.83	6.7
08/10/2005	NP		113.05	14.00	26.00	17.59	95.46	65	<0.50	<0.50	<0.50	<0.50	<0.50	0.82	6.7
8/29/2006	P		113.05	14.00	26.00	17.60	95.45	<50	<0.50	<0.50	<0.50	0.74	0.51	1.0	6.4
8/15/2007	NP		113.05	14.00	26.00	17.88	95.17	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	6.67
MW-4															
6/21/2000	--		106.71	11.50	26.50	16.00	90.71	1,400	5.3	7.3	36	85	4	--	--
9/20/2000	--		106.71	11.50	26.50	16.03	90.68	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/22/2000	--		106.71	11.50	26.50	--	--	--	--	--	--	--	--	--	--
3/26/2001	--		106.71	11.50	26.50	15.05	91.66	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
5/30/2001	--		106.71	11.50	26.50	15.62	91.09	--	--	--	--	--	--	--	--
9/23/2001	--		106.71	11.50	26.50	16.07	90.64	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/28/2001	--		106.71	11.50	26.50	13.68	93.03	--	--	--	--	--	--	--	--
3/21/2002	--		106.71	11.50	26.50	14.04	92.67	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
4/17/2002	--		106.71	11.50	26.50	14.78	91.93	--	--	--	--	--	--	--	--
8/19/2002	--		106.71	11.50	26.50	16.18	90.53	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1.4	6.8
11/27/2002	--		106.71	11.50	26.50	15.89	90.82	--	--	--	--	--	--	--	--
2/5/2003	--	d	106.71	11.50	26.50	15.40	91.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.6
5/13/2003	--		106.71	11.50	26.50	15.42	91.29	--	--	--	--	--	--	--	--
7/31/2003	--		106.71	11.50	26.50	16.23	90.48	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	6.4
12/17/2003	--		106.71	11.50	26.50	15.57	91.14	--	--	--	--	--	--	--	--
02/13/2004	P	e	112.15	11.50	26.50	15.30	96.85	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.3

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

Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-4 Cont.															
05/05/2004	--		112.15	11.50	26.50	15.69	96.46	--	--	--	--	--	--	--	--
08/25/2004	P		112.15	11.50	26.50	16.07	96.08	<50	<0.50	<0.50	<0.50	0.51	<0.50	1.6	6.4
11/29/2004	--		112.15	11.50	26.50	15.86	96.29	--	--	--	--	--	--	--	--
01/31/2005	P		112.15	11.50	26.50	15.17	96.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.61	6.2
05/09/2005	--		112.15	11.50	26.50	15.25	96.90	--	--	--	--	--	--	--	--
08/10/2005	P		112.15	11.50	26.50	16.23	95.92	<50	<0.50	0.50	<0.50	1.1	<0.50	0.68	6.5
8/29/2006	P		112.15	11.50	26.50	16.04	96.11	<50	<0.50	<0.50	<0.50	0.53	<0.50	1.2	6.5
8/15/2007	NP		112.15	11.50	26.50	16.20	95.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.09	7.92
MW-5															
3/26/2000	--		106.60	10.00	25.00	15.45	91.15	767	12.4	<5.0	<5.0	<5.0	163	--	--
6/21/2000	--		106.60	10.00	25.00	16.52	90.08	67	<0.5	<0.5	<0.5	<1.0	10	--	--
9/20/2000	--		106.60	10.00	25.00	16.34	90.26	<50	<0.5	<0.5	<0.5	<0.5	3.48	--	--
12/22/2000	--		106.60	10.00	25.00	15.58	91.02	341	11.5	2.53	4.02	6.25	146	--	--
5/30/2001	--		106.60	10.00	25.00	15.77	90.83	110	2.3	<0.5	<0.5	0.81	72	--	--
9/23/2001	--		106.60	10.00	25.00	16.16	90.44	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/28/2001	--		106.60	10.00	25.00	14.09	92.51	240	2.8	1.9	<0.5	2.6	48	--	--
3/21/2002	--		106.60	10.00	25.00	14.43	92.17	--	<0.5	<0.5	<0.5	<0.5	--	--	--
4/17/2002	--		106.60	10.00	25.00	14.96	91.64	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
8/19/2002	--	c	106.60	10.00	25.00	16.34	90.26	--	--	--	--	--	--	--	--
11/27/2002	--	c	106.60	10.00	25.00	--	--	--	--	--	--	--	--	--	--
2/5/2003	--	c, d	106.60	10.00	25.00	--	--	--	--	--	--	--	--	--	--
5/13/2003	NP	f	106.60	10.00	25.00	15.43	91.17	<50	<0.50	<0.50	<0.50	<0.50	15	1.4	6.2
7/31/2003	--		106.60	10.00	25.00	16.47	90.13	<50	<0.50	<0.50	<0.50	<0.50	1.2	14.1	8.1
12/17/2003	NP		106.60	10.00	25.00	15.99	90.61	<50	<0.50	<0.50	<0.50	<0.50	1.8	15.4	8.5
02/13/2004	NP	e	112.04	10.00	25.00	15.90	96.14	<50	<0.50	<0.50	<0.50	<0.50	2.6	11.1	7.0
05/05/2004	NP		112.04	10.00	25.00	16.28	95.76	51	<0.50	<0.50	<0.50	<0.50	1.2	0.8	7.2
08/25/2004	NP		112.04	10.00	25.00	16.67	95.37	<50	<0.50	<0.50	<0.50	<0.50	1.1	10.5	--
11/29/2004	NP		112.04	10.00	25.00	16.37	95.67	<50	<0.50	<0.50	<0.50	<0.50	0.61	1.0	7.0
01/31/2005	NP		112.04	10.00	25.00	15.73	96.31	<50	<0.50	<0.50	<0.50	<0.50	0.86	1.63	6.3
05/09/2005	NP		112.04	10.00	25.00	15.90	96.14	<50	<0.50	<0.50	<0.50	<0.50	0.60	1.12	7.2

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

Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-5 Cont.															
08/10/2005	NP		112.04	10.00	25.00	16.65	95.39	740	<0.50	<0.50	<0.50	<0.50	2.5	--	7.3
8/29/2006	P		112.04	10.00	25.00	16.60	95.44	230	<0.50	<0.50	<0.50	<0.50	1.1	--	6.4
MW-6															
6/21/2000	--		105.13	12.00	27.00	13.91	91.22	--	--	--	--	--	--	--	--
9/20/2000	--		105.13	12.00	27.00	14.03	91.10	--	--	--	--	--	--	--	--
12/22/2000	--		105.13	12.00	27.00	--	--	--	--	--	--	--	--	--	--
3/26/2001	--		105.13	12.00	27.00	12.59	92.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
5/30/2001	--		105.13	12.00	27.00	13.40	91.73	--	--	--	--	--	--	--	--
9/23/2001	--		105.13	12.00	27.00	13.49	91.64	--	--	--	--	--	--	--	--
12/28/2001	--		105.13	12.00	27.00	12.07	93.06	--	--	--	--	--	--	--	--
3/21/2002	--		105.13	12.00	27.00	11.79	93.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
4/17/2002	--		105.13	12.00	27.00	12.45	92.68	--	--	--	--	--	--	--	--
8/19/2002	--		105.13	12.00	27.00	13.96	91.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5	2.8	6.9
11/27/2002	--		105.13	12.00	27.00	14.07	91.06	--	--	--	--	--	--	--	--
2/5/2003	--	d	105.13	12.00	27.00	13.55	91.58	--	--	--	--	--	--	--	--
5/13/2003	--		105.13	12.00	27.00	13.57	91.56	--	--	--	--	--	--	--	--
7/31/2003	--		105.13	12.00	27.00	14.18	90.95	67	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	6.5
12/17/2003	--		105.13	12.00	27.00	14.12	91.01	--	--	--	--	--	--	--	--
02/13/2004	--	e	110.66	12.00	27.00	13.51	97.15	--	--	--	--	--	--	--	--
05/05/2004	--		110.66	12.00	27.00	13.95	96.71	--	--	--	--	--	--	--	--
08/25/2004	P		110.66	12.00	27.00	14.42	96.24	55	<0.50	0.98	<0.50	1.5	<0.50	3.6	6.7
11/29/2004	--		110.66	12.00	27.00	14.20	96.46	--	--	--	--	--	--	--	--
01/31/2005	--		110.66	12.00	27.00	13.33	97.33	--	--	--	--	--	--	--	--
05/09/2005	--		110.66	12.00	27.00	13.45	97.21	--	--	--	--	--	--	--	--
08/10/2005	P		110.66	12.00	27.00	14.29	96.37	53	<0.50	1.2	<0.50	2.6	<0.50	2.63	6.5
8/29/2006	P		110.66	12.00	27.00	14.29	96.37	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.5
8/15/2007	NP		110.66	12.00	27.00	14.47	96.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.19	6.81
MW-7															
6/21/2000	--		107.05	12.00	27.00	14.57	92.48	--	--	--	--	--	--	--	--

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

Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-7 Cont.															
9/20/2000	--		107.05	12.00	27.00	14.58	92.47	--	--	--	--	--	--	--	--
12/22/2000	--		107.05	12.00	27.00	13.21	93.84	--	--	--	--	--	--	--	--
3/26/2001	--		107.05	12.00	27.00	13.18	93.87	71.4	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
5/30/2001	--		107.05	12.00	27.00	13.80	93.25	--	--	--	--	--	--	--	--
9/23/2001	--		107.05	12.00	27.00	14.27	92.78	--	--	--	--	--	--	--	--
12/28/2001	--		107.05	12.00	27.00	12.24	94.81	--	--	--	--	--	--	--	--
3/21/2002	--		107.05	12.00	27.00	12.16	94.89	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
4/17/2002	--		107.05	12.00	27.00	13.08	93.97	--	--	--	--	--	--	--	--
8/19/2002	--		107.05	12.00	27.00	14.73	92.32	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1.4	6.7
11/27/2002	--		107.05	12.00	27.00	14.76	92.29	--	--	--	--	--	--	--	--
2/5/2003	--	d	107.05	12.00	27.00	14.07	92.98	--	--	--	--	--	--	--	--
5/13/2003	--		107.05	12.00	27.00	14.00	93.05	--	--	--	--	--	--	--	--
7/31/2003	--		107.05	12.00	27.00	14.00	93.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.4
12/17/2003	--		107.05	12.00	27.00	14.10	92.95	--	--	--	--	--	--	--	--
02/13/2004	--	e	112.59	12.00	27.00	13.91	98.68	--	--	--	--	--	--	--	--
05/05/2004	--		112.59	12.00	27.00	14.60	97.99	--	--	--	--	--	--	--	--
08/25/2004	P		112.59	12.00	27.00	15.25	97.34	<50	<0.50	0.53	<0.50	0.91	<0.50	1.2	6.4
11/29/2004	--		112.59	12.00	27.00	15.00	97.59	--	--	--	--	--	--	--	--
01/31/2005	--		112.59	12.00	27.00	13.69	98.90	--	--	--	--	--	--	--	--
05/09/2005	--		112.59	12.00	27.00	13.79	98.80	--	--	--	--	--	--	--	--
08/10/2005	P		112.59	12.00	27.00	15.02	97.57	<50	<0.50	0.51	<0.50	<0.50	<0.50	1.45	6.4
8/29/2006	P		112.59	12.00	27.00	15.00	97.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.4
8/15/2007	NP		112.59	12.00	27.00	15.10	97.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.00	7.03

SYMBOLS AND ABBREVIATIONS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved Oxygen
DTW = Depth to water in feet below ground surface
ft bgs = feet below ground surface
GWE = Groundwater measured in feet above mean sea level
GRO = Gasoline Range Organics
mg/L = Milligrams per liter or parts per million (ppm)
MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted (Prior to 2/5/03)
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TOC = Top of casing measured in feet above mean sea level
TPH-g = Total Petroleum Hydrocarbons as Gasoline
ug/L = Micrograms per liter

FOOTNOTES:

a = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel (TPHg/GRO).
b = Chromatogram Pattern: Gasoline C6-C10 (TPHg/GRO).
c = Well MW-5 not sampled due to ORC sock wedged in well.
d = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on 1st quarter sampling event (2/5/03).
e = Wells surveyed to NAVD'88 datum on January 29, 2004.
f = During this monitoring event, the oxygen releasing compounds (ORC) were replaced for this well.

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 inclusion 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.

The values for pH and DO were obtained from field measurements.

The top and bottom of screen depths for wells MW-1, MW-2 and MW-3 were obtained from EMCON O&M sampling sheets not from well logs.

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 #6148, 5131 Shattuck Ave., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
2/5/2003	<40	<20	1.1	<0.50	<0.50	<0.50	--	--	
5/13/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
7/31/2003	<100	<20	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	
12/17/2003	<100	<20	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
05/05/2004	<100	<20	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
11/29/2004	<100	<20	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	
01/31/2005	<100	<20	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	
05/09/2005	<100	<20	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/15/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
MW-2									
2/5/2003	<40	<20	4.3	<0.50	<0.50	<0.50	--	--	
5/13/2003	<100	<20	2.8	<0.50	<0.50	<0.50	--	--	
7/31/2003	<100	<20	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	
12/17/2003	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
02/13/2004	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	
05/05/2004	<100	<20	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2004	<100	<20	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	
01/31/2005	<100	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
05/09/2005	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/15/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
MW-3									
2/5/2003	<40	<20	2.4	<0.50	<0.50	<0.50	--	--	
5/13/2003	<100	<20	2.2	<0.50	<0.50	<0.50	--	--	
7/31/2003	<100	<20	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
Station #6148, 5131 Shattuck Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
12/17/2003	<100	<20	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	
02/13/2004	<100	<20	3.1	<0.50	<0.50	<0.50	<0.50	<0.50	
05/05/2004	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2004	<100	<20	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
01/31/2005	<100	<20	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	
05/09/2005	<100	<20	0.80	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	
8/15/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
MW-4									
7/31/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/13/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/31/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/15/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
MW-5									
5/13/2003	<100	<20	15	<0.50	<0.50	1.1	--	--	
7/31/2003	<100	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
12/17/2003	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
02/13/2004	<100	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	
05/05/2004	<100	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
11/29/2004	<100	<20	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	
01/31/2005	<100	<20	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	
05/09/2005	<100	<20	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	

**Table 2. Summary of Fuel Additives Analytical Data
Station #6148, 5131 Shattuck Ave., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-6									
7/31/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/15/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
MW-7									
7/31/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/25/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/15/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b

SYMBOLS AND ABBREVIATIONS:

< = Not detected at or above the specified laboratory reporting limit

-- = Not available/analyzed/applicable

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert butyl ether

MTBE = Methyl tert-butyl ether

1,2-DCA = 1,2-Dichloroethane

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

ug/L = micrograms per liter

FOOTNOTES:

a = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.

b = Calib. Verif. Is within method limits but outside contract limits for Ethanol.

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 #6148, 5131 Shattuck Ave., Oakland, CA**

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/21/2000	South-Southwest	0.016
9/20/2000	South-Southwest	0.017
12/22/2000	South-Southwest	0.022
3/26/2001	South-Southwest	0.02
5/30/2001	South-Southwest	0.02
9/23/2001	South-Southwest	0.019
12/28/2001	Southwest	0.019
3/21/2002	Southwest	0.019
4/17/2002	Southwest	0.017
8/19/2002	Southwest	0.016
11/27/2002	Southwest	0.015
2/5/2003	Southwest	0.017
5/13/2003	Southwest	0.013
7/31/2003	Southwest	0.014
2/13/2004	Southwest	0.016
5/5/2004	Southwest	0.016
8/25/2004	Southwest	0.013
11/29/2004	Southwest	0.013
1/31/2005	Southwest	0.02
5/9/2005	Southwest	0.02
8/10/2005	Southwest	0.02
8/29/2006	Southwest	0.014
8/15/2007	Southwest	0.015

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)**



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

September 13, 2007

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

Re: Groundwater Sampling Data Package, BP Service Station No. 6148, located at
5131 Shattuck Avenue, 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: August 15, 2007

Arrival: 14:50 *Departure:* 17:20

Weather Conditions: Clear

Unusual Field Conditions: None

Scope of Work Performed: Quarterly monitoring and sampling

Variations from Work Scope: Well MW-5 is behind a locked gate and could not be accessed. The station manager did not have a key to the lock. A tree in the way made it impossible to climb over the fence. With the station manager's approval the technician will cut the chain link and put a new lock on during the next site visit.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include 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
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 6148 PURGED BY: [Signature] WELL ID.: WWT-1
 CLIENT NAME: _____ SAMPLED BY: [Signature] SAMPLE I.D.: WWT-1
 LOCATION: 5131 Shattuck Avenue, Oakland QA SAMPLES: _____

DATE PURGED: 8-15-07 START (2400hr): 15:54 END (2400hr): 15:56
 DATE SAMPLED: 8-15-07 SAMPLE TIME (2400hr): 15:55
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" 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) = 25.42 CASING VOLUME (gal) = 5.0
 DEPTH TO WATER (feet) = 17.92 CALCULATED PURGE (gal) = 1.50
 WATER COLUMN HEIGHT (feet) = 7.5 ACTUAL PURGE (gal) = NA

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>8-15-07</u>	<u>15:56</u>	<u>0</u>	<u>23.5</u>	<u>400.2</u>	<u>7.14</u>	<u>clear</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE DEPTH TO WATER: 17.92 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES _____ NO ANALYSES: S.W.O
 ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 6 VOA-HCC

PURGING EQUIPMENT

SAMPLING EQUIPMENT

_____ Bladder Pump _____ Bailer (Teflon)
 _____ Centrifugal Pump _____ Bailer (PVC)
 _____ Submersible Pump _____ Bailer (Stainless Steel)
 _____ Peristaltic Pump _____ Dedicated _____

_____ Bladder Pump _____ Bailer (Teflon)
 _____ Centrifugal Pump Bailer (_____ PVC or disposable)
 _____ Submersible Pump _____ Bailer (Stainless Steel)
 _____ Peristaltic Pump _____ Dedicated _____

Other: _____

Other: _____

Pump Depth: 0

WELL INTEGRITY: good LOCK#: NA

REMARKS: D.O 1.09

SIGNATURE: [Signature]

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 6148 PURGED BY: SC WELL I.D.: MW 2
 CLIENT NAME: _____ SAMPLED BY: 8 SAMPLE I.D.: 1702
 LOCATION: 5131 Shattuck Avenue, Oakland QA SAMPLES: _____

DATE PURGED 8-15-07 START (2400hr) 16:09 END (2400hr) 16:11
 DATE SAMPLED 8-15-07 SAMPLE TIME (2400hr) 16:10
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" 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) = 25.90 CASING VOLUME (gal) = 5.2
 DEPTH TO WATER (feet) = 17.60 CALCULATED PURGE (gal) = 15.6
 WATER COLUMN HEIGHT (feet) = 2.8 ACTUAL PURGE (gal) = NP

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>8-15-07</u>	<u>16:11</u>	<u>0</u>	<u>25.6</u>	<u>376.2</u>	<u>6.81</u>	<u>clear</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE DEPTH TO WATER: 17.60 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES _____ NO ANALYSES: S.W.O
 ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 3 Vol-HCC

PURGING EQUIPMENT

_____ Bladder Pump _____ Bailer (Teflon)
 _____ Centrifugal Pump _____ Bailer (PVC)
 _____ Submersible Pump _____ Bailer (Stainless Steel)
 _____ Peristaltic Pump _____ Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

_____ Bladder Pump _____ Bailer (Teflon)
 _____ Centrifugal Pump Bailer (_____ PVC or disposable)
 _____ Submersible Pump _____ Bailer (Stainless Steel)
 _____ Peristaltic Pump _____ Dedicated _____
 Other: _____

WELL INTEGRITY: Good LOCK#: NA

REMARKS: DO: 0.75

SIGNATURE: _____ Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 6148 PURGED BY: [Signature] WELL I.D.: MW-3
 CLIENT NAME: _____ SAMPLED BY: [Signature] SAMPLE I.D.: MW-3
 LOCATION: 5131 Shattuck Avenue, Oakland QA SAMPLES: _____

DATE PURGED 8-15-07 START (2400hr) 16:24 END (2400hr) 16:26
 DATE SAMPLED 8-15-07 SAMPLE TIME (2400hr) 16:25
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" 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) = 25.45 CASING VOLUME (gal) = 5.0
 DEPTH TO WATER (feet) = 17.88 CALCULATED PURGE (gal) = 15.2
 WATER COLUMN HEIGHT (feet) = 7.57 ACTUAL PURGE (gal) = [Signature]

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>8-15-07</u>	<u>16:26</u>	<u>0</u>	<u>22.9</u>	<u>509</u>	<u>6.67</u>	<u>clear</u>	

SAMPLE DEPTH TO WATER: 17.88 SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO ANALYSES: SWO
 ODOR: no SAMPLE VESSEL / PRESERVATIVE: 3 V60-Hedg

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input type="checkbox"/> Centrifugal Pump	<input type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> Centrifugal Pump	<input checked="" type="checkbox"/> Bailer (<input type="checkbox"/> PVC or <input checked="" type="checkbox"/> disposable)
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)	<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____	<input type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____
Other: _____		Other: _____	
Pump Depth: <u>17</u>			

WELL INTEGRITY: good LOCK#: NA
 REMARKS: DO 0.79

SIGNATURE: [Signature] Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 6148 PURGED BY: [Signature] WELL I.D.: MW-4
 CLIENT NAME: _____ SAMPLED BY: [Signature] SAMPLE I.D.: MW-4
 LOCATION: 5131 Shattuck Avenue, Oakland QA SAMPLES: _____

DATE PURGED _____ START (2400hr) 15:42 END (2400hr) 15:44
 DATE SAMPLED _____ SAMPLE TIME (2400hr) 15:42
 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) = 259 CASING VOLUME (gal) = 6.4
 DEPTH TO WATER (feet) = 16.20 CALCULATED PURGE (gal) = 19.9
 WATER COLUMN HEIGHT (feet) = 9.7 ACTUAL PURGE (gal) = NP

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>8-15-07</u>	<u>1544</u>	<u>0</u>	<u>26.1</u>	<u>424.3</u>	<u>7.92</u>	<u>clear</u>	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 16.20 SAMPLE TURBIDITY: clear

80% RECHARGE: X YES _____ NO ANALYSES: S-W-0
 ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 3 Vol-HCl

PURGING EQUIPMENT

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

Other: _____
 Pump Depth: 0

SAMPLING EQUIPMENT

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

Other: _____

WELL INTEGRITY: _____ LOCK#: MW-4

REMARKS: DO 109

SIGNATURE: [Signature]

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 6148 PURGED BY: [Signature] WELL I.D.: NW 6
 CLIENT NAME: _____ SAMPLED BY: [Signature] SAMPLE I.D.: NW 6
 LOCATION: 5131 Shattuck Avenue, Oakland QA SAMPLES: _____

DATE PURGED 8-15-07 START (2400hr) 1659 END (2400hr) 19:01
 DATE SAMPLED 8-15-07 SAMPLE TIME (2400hr) 19:00
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" 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) = 26.45 CASING VOLUME (gal) = 8.0
 DEPTH TO WATER (feet) = 14.43 CALCULATED PURGE (gal) = 240
 WATER COLUMN HEIGHT (feet) = 11.9 ACTUAL PURGE (gal) = N/A

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>8-15-07</u>	<u>17:01</u>	<u>0</u>	<u>22.0</u>	<u>4065</u>	<u>6.81</u>	<u>clear</u>	
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	<u>N</u>	<u>P</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 14.47 SAMPLE TURBIDITY: clear
 80% RECHARGE: YES _____ NO ANALYSES: SW 0
 ODOR: No SAMPLE VESSEL / PRESERVATIVE: 3 Uoa: HCL

PURGING EQUIPMENT

SAMPLING EQUIPMENT

____ Bladder Pump _____ Bailer (Teflon)
 ____ Centrifugal Pump _____ Bailer (PVC)
 ____ Submersible Pump _____ Bailer (Stainless Steel)
 ____ Peristaltic Pump _____ Dedicated _____
 Other: _____
 Pump Depth: 0

____ Bladder Pump _____ Bailer (Teflon)
 ____ Centrifugal Pump Bailer (_____ PVC or disposable)
 ____ Submersible Pump _____ Bailer (Stainless Steel)
 ____ Peristaltic Pump _____ Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: M076
 REMARKS: D.O 2.19

SIGNATURE: [Signature] Page _____ of _____

BP ALAMEDA PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 6148 PURGED BY: [Signature] WELL I.D.: MW 7
 CLIENT NAME: _____ SAMPLED BY: [Signature] SAMPLE I.D.: MW 7
 LOCATION: 5131 Shattuck Avenue, Oakland QA SAMPLES: _____

DATE PURGED: 8-15-07 START (2400hr): 16:29 END (2400hr): 16:41
 DATE SAMPLED: 8-15-07 SAMPLE TIME (2400hr): 16:40
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 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) = 26.85 CASING VOLUME (gal) = 4.8
 DEPTH TO WATER (feet) = 15.10 CALCULATED PURGE (gal) = 23.6
 WATER COLUMN HEIGHT (feet) = 11.7 ACTUAL PURGE (gal) = [Signature]

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>8-15-07</u>	<u>16:41</u>	<u>5</u>	<u>23.7</u>	<u>383.5</u>	<u>7.03</u>	<u>Clear</u>	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 15.10 SAMPLE TURBIDITY: Clear

80% RECHARGE: YES NO ANALYSES: S.W.O
 ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 3 Vol-HCL

PURGING EQUIPMENT

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: 5

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC or disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: Master
 REMARKS: DO 1.00

SIGNATURE: [Signature] Page _____ of _____

NO. 665099

NON-HAZARDOUS WASTE DATA FORM

SITE:

EPA I.D. NO.

NOT REQUIRED

NAME BP WEST COAST PRODUCTS LLC ARCO # 6198

ADDRESS P.O. BOX 80249
RANCHO SANTA MARGARITA
CA 92688

CITY, STATE, ZIP _____

PROFILE NO.

PHONE NO. 1 1

CONTAINERS: No. _____ VOLUME 1.6 Gal WEIGHT _____

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER _____

NON-HAZARDOUS WATER			WELL PURGING/DECON WATER		
WASTE DESCRIPTION	PPM	%	GENERATING PROCESS	PPM	%
1. WATER	99-100%				
2. TPH	<1%				
3. _____					
4. _____					
5. _____					

PROPERTIES: 7-10 PH 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

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TO BE COMPLETED BY GENERATOR

TRANSPORTER

Transporter #1
NAME STRATUS ENVIRONMENTAL

ADDRESS 3330 CAMERON PARK DR
CAMERON PARK, CA 95682

PHONE NO. 530-676-2031

TRUCK, UNIT, I.D. NO. _____

EPA I.D. NO.

SERVICE ORDER NO. _____

PICK UP DATE _____

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TSD FACILITY

NAME SEAPORT REFINING & ENVIRONMENTAL, LLC

ADDRESS 700 SEAPORT BLVD.
REDWOOD CITY, CA 94063

PHONE NO. 650-364-1024

TYPED OR PRINTED FULL NAME & SIGNATURE _____

DATE _____

EPA I.D. NO.

DISPOSAL METHOD

LANDFILL OTHER _____

GER	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/GD	H/WDF	NONE

DISCREPANCY

30 August, 2007

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

RE: ARCO #6148, Oakland, CA
Work Order: MQH0546

Enclosed are the results of analyses for samples received by the laboratory on 08/16/07 18:45. 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.

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

Project: ARCO #6148, Oakland, CA
Project Number: G0C2J-0016
Project Manager: Jay Johnson

MQH0546
Reported:
08/30/07 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQH0546-01	Water	08/15/07 15:55	08/16/07 18:45
MW-2	MQH0546-02	Water	08/15/07 16:10	08/16/07 18:45
MW-3	MQH0546-03	Water	08/15/07 16:25	08/16/07 18:45
MW-4	MQH0546-04	Water	08/15/07 15:43	08/16/07 18:45
MW-6	MQH0546-05	Water	08/15/07 17:00	08/16/07 18:45
MW-7	MQH0546-06	Water	08/15/07 16:41	08/16/07 18:45
TB-6148-81507	MQH0546-07	Water	08/15/07 05:00	08/16/07 18:45

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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Project: ARCO #6148, Oakland, CA
Project Number: G0C2J-0016
Project Manager: Jay Johnson

MQH0546
Reported:
08/30/07 16:11

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 (MQH0546-01) Water Sampled: 08/15/07 15:55 Received: 08/16/07 18:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7H26008	08/26/07	08/26/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		102 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-135		"	"	"	"	
MW-2 (MQH0546-02) Water Sampled: 08/15/07 16:10 Received: 08/16/07 18:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7H26008	08/26/07	08/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		104 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		98 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		96 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	60-135		"	"	"	"	
MW-3 (MQH0546-03) Water Sampled: 08/15/07 16:25 Received: 08/16/07 18:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7H26008	08/26/07	08/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		101 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		97 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-135		"	"	"	"	
MW-4 (MQH0546-04) Water Sampled: 08/15/07 15:43 Received: 08/16/07 18:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7H26008	08/26/07	08/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		94 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85 %	60-135		"	"	"	"	

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Project Manager: Jay Johnson

MQH0546
Reported:
08/30/07 16:11

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MQH0546-05) Water Sampled: 08/15/07 17:00 Received: 08/16/07 18:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7H26008	08/26/07	08/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		101 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84 %	60-135		"	"	"	"	
MW-7 (MQH0546-06) Water Sampled: 08/15/07 16:41 Received: 08/16/07 18:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7H26008	08/26/07	08/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		97 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		94 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82 %	60-135		"	"	"	"	

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MQH0546
Reported:
08/30/07 16:11

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQH0546-01) Water Sampled: 08/15/07 15:55 Received: 08/16/07 18:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7H26008	08/26/07	08/26/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %		60-135	"	"	"	"	
MW-2 (MQH0546-02) Water Sampled: 08/15/07 16:10 Received: 08/16/07 18:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7H26008	08/26/07	08/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-135	"	"	"	"	

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Reported:
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Volatile Organic Compounds by EPA Method 8260B
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MQH0546-03) Water Sampled: 08/15/07 16:25 Received: 08/16/07 18:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7H26008	08/26/07	08/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %		60-135	"	"	"	"	
MW-4 (MQH0546-04) Water Sampled: 08/15/07 15:43 Received: 08/16/07 18:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7H26008	08/26/07	08/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85 %		60-135	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MQH0546-05) Water Sampled: 08/15/07 17:00 Received: 08/16/07 18:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7H26008	08/26/07	08/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84 %		60-135	"	"	"	"	
MW-7 (MQH0546-06) Water Sampled: 08/15/07 16:41 Received: 08/16/07 18:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7H26008	08/26/07	08/27/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
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	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82 %		60-135	"	"	"	"	

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MQH0546
Reported:
08/30/07 16:11

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
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Batch 7H26008 - EPA 5030B P/T / LUFT GCMS

Blank (7H26008-BLK1)

Prepared & Analyzed: 08/26/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96	60-125			
Surrogate: Dibromofluoromethane	2.33		"	2.50		93	75-120			
Surrogate: Toluene-d8	2.39		"	2.50		96	80-120			
Surrogate: 4-Bromofluorobenzene	2.19		"	2.50		88	60-135			

Laboratory Control Sample (7H26008-BS2)

Prepared & Analyzed: 08/26/07

Gasoline Range Organics (C4-C12)	473	50	ug/l	500		95	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96	60-125			
Surrogate: Dibromofluoromethane	2.41		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.47		"	2.50		99	80-120			
Surrogate: 4-Bromofluorobenzene	2.43		"	2.50		97	60-135			

Laboratory Control Sample Dup (7H26008-BSD2)

Prepared & Analyzed: 08/26/07

Gasoline Range Organics (C4-C12)	501	50	ug/l	500		100	65-120	6	20	
Surrogate: 1,2-Dichloroethane-d4	2.56		"	2.50		102	60-125			
Surrogate: Dibromofluoromethane	2.38		"	2.50		95	75-120			
Surrogate: Toluene-d8	2.54		"	2.50		102	80-120			
Surrogate: 4-Bromofluorobenzene	2.50		"	2.50		100	60-135			

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #6148, Oakland, CA Project Number: G0C2J-0016 Project Manager: Jay Johnson	MQH0546 Reported: 08/30/07 16:11
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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
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Batch 7H26008 - EPA 5030B P/T / EPA 8260B

Blank (7H26008-BLK1)

Prepared & Analyzed: 08/26/07

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	"							
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Surrogate: Dibromofluoromethane	2.33		"	2.50		93	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.40		"	2.50		96	60-125			
Surrogate: Toluene-d8	2.39		"	2.50		96	80-120			
Surrogate: 4-Bromofluorobenzene	2.19		"	2.50		88	60-135			

Laboratory Control Sample (7H26008-BS1)

Prepared & Analyzed: 08/26/07

tert-Amyl methyl ether	10.8	0.50	ug/l	10.0	108	65-135				
Benzene	10.5	0.50	"	10.0	105	75-120				
tert-Butyl alcohol	201	20	"	200	100	60-135				
Di-isopropyl ether	11.2	0.50	"	10.0	112	70-130				
1,2-Dibromoethane (EDB)	11.6	0.50	"	10.0	116	70-135				
1,2-Dichloroethane	10.5	0.50	"	10.0	105	70-125				
Ethanol	262	300	"	200	131	15-150				
Ethyl tert-butyl ether	11.0	0.50	"	10.0	110	65-130				
Ethylbenzene	11.1	0.50	"	10.0	111	75-120				
Methyl tert-butyl ether	10.5	0.50	"	10.0	105	50-140				
Toluene	10.5	0.50	"	10.0	105	75-120				
Xylenes (total)	33.6	0.50	"	30.0	112	75-130				
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Surrogate: Dibromofluoromethane	2.50		"	2.50	100	75-120				
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50	97	60-125				
Surrogate: Toluene-d8	2.44		"	2.50	98	80-120				
Surrogate: 4-Bromofluorobenzene	2.40		"	2.50	96	60-135				

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Project Manager: Jay Johnson

MQH0546
Reported:
08/30/07 16:11

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
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Batch 7H26008 - EPA 5030B P/T / EPA 8260B

Matrix Spike (7H26008-MS1)	Source: MQH0546-01			Prepared & Analyzed: 08/26/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135			
Benzene	10.9	0.50	"	10.0	ND	109	75-120			
tert-Butyl alcohol	203	20	"	200	ND	102	60-135			
Di-isopropyl ether	11.8	0.50	"	10.0	ND	118	70-130			
1,2-Dibromoethane (EDB)	12.8	0.50	"	10.0	ND	128	70-135			
1,2-Dichloroethane	11.6	0.50	"	10.0	ND	116	70-125			
Ethanol	257	300	"	200	ND	128	15-150			
Ethyl tert-butyl ether	11.6	0.50	"	10.0	ND	116	65-130			
Ethylbenzene	11.1	0.50	"	10.0	ND	111	75-120			
Methyl tert-butyl ether	11.5	0.50	"	10.0	ND	115	50-140			
Toluene	10.7	0.50	"	10.0	ND	107	75-120			
Xylenes (total)	33.3	0.50	"	30.0	ND	111	75-130			
Surrogate: Dibromofluoromethane	2.59		"	2.50		104	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.58		"	2.50		103	60-125			
Surrogate: Toluene-d8	2.45		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.40		"	2.50		96	60-135			

Matrix Spike Dup (7H26008-MSD1)	Source: MQH0546-01			Prepared & Analyzed: 08/26/07						
tert-Amyl methyl ether	11.4	0.50	ug/l	10.0	ND	114	65-135	0.7	25	
Benzene	10.8	0.50	"	10.0	ND	108	75-120	0.9	20	
tert-Butyl alcohol	203	20	"	200	ND	102	60-135	0.005	25	
Di-isopropyl ether	11.8	0.50	"	10.0	ND	118	70-130	0.6	25	
1,2-Dibromoethane (EDB)	12.7	0.50	"	10.0	ND	127	70-135	0.2	30	
1,2-Dichloroethane	11.3	0.50	"	10.0	ND	113	70-125	2	25	
Ethanol	245	300	"	200	ND	123	15-150	4	25	
Ethyl tert-butyl ether	11.4	0.50	"	10.0	ND	114	65-130	2	25	
Ethylbenzene	11.0	0.50	"	10.0	ND	110	75-120	0.3	20	
Methyl tert-butyl ether	11.6	0.50	"	10.0	ND	116	50-140	1	25	
Toluene	10.5	0.50	"	10.0	ND	105	75-120	2	25	
Xylenes (total)	33.1	0.50	"	30.0	ND	110	75-130	0.6	20	
Surrogate: Dibromofluoromethane	2.58		"	2.50		103	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.56		"	2.50		102	60-125			
Surrogate: Toluene-d8	2.47		"	2.50		99	80-120			
Surrogate: 4-Bromofluorobenzene	2.40		"	2.50		96	60-135			

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

Project: ARCO #6148, Oakland, CA
Project Number: G0C2J-0016
Project Manager: Jay Johnson

MQH0546
Reported:
08/30/07 16:11

Notes and Definitions

IC Calib. verif. is within method limits but outside contract limits
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



bp
A BP affiliated company

Chain of Custody Record

Project Name: BP 6148
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda > 6148
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): _____

On-site Time: <u>14:50</u>	Temp: <u>80</u>
Off-site Time: <u>17:20</u>	Temp: <u>80</u>
Sky Conditions: <u>C/100</u>	
Meteorological Events: <u>none</u>	
Wind Speed: <u>5</u>	Direction: <u>W</u>

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>6148</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>5131 Shattuck Avenue, Oakland</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long:	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID #: <u>T0600100103</u>	Consultant/Contractor Project No.:
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G0025-0016</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or RCOP (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>04-Monitoring</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shayes@stratusinc.net</u>
Tele/Fax: <u>925-275-3506</u>	Cost Element: <u>01-Contractor labor</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comments *Oxy = MTBD, TAME, ETBE, DIPE, TBA				
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO/BTEX/Oxy*	1,2 DCA	EDB	Ethanol by 8260	DRO					
1	MW-1	1555	8/15/07	X			01	6						X	X	X	X						
2	MW-2	1610		X			02	3						X	X	X	X						
3	MW-3	1625		X			03	3						X	X	X	X						
4	MW-4	1543		X			04	3						X	X	X	X						
5	MW-5			X										X	X	X	X						
6	MW-6	17:00		X			05	3						X	X	X	X						
7	MW-7	16:41		X			06	3						X	X	X	X						
8	TB - 6148 - 81507	500		X			07	2						X	X	X	X					HOLD	
9																							
10																							

Sampler's Name: <u>Jerry Gonzalez</u>	Relinquished By / Affiliation: _____	Date: <u>8/16</u>	Time: <u>1540</u>	Accepted By / Affiliation: <u>Cheng Wei</u>	Date: <u>8/16</u>	Time: <u>1540</u>
Sampler's Company: <u>Doulos ENV</u>	_____	Date: <u>8/16</u>	Time: <u>1555</u>	_____	Date: <u>8/16</u>	Time: <u>1555</u>
Shipment Date:	_____	Date: <u>8/16</u>	Time: <u>1845</u>	_____	Date: <u>8/16</u>	Time: <u>1845</u>
Shipment Method:	_____			_____		
Shipment Tracking No:	_____			_____		

Special Instructions: Please cc results to: rmillar@broadbentinc.com

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: ARCO 6148
 REC. BY (PRINT) DV
 WORKORDER: M&H0546

DATE REC'D AT LAB: 8/16/07
 TIME REC'D AT LAB: 10:45
 DATE LOGGED IN: 8/20/07

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*								/
2. Chain-of-Custody Present / <u>Absent</u> *								
3. Traffic Reports or Packing List: Present / <u>Absent</u>								
4. Airbill: Airbill / Sticker Present / <u>Absent</u>								
5. Airbill #:								
6. Sample Labels: <u>Present</u> / Absent								
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody								
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*			see coc					
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*			8/16/07					
10. Sample received within hold time? <u>Yes</u> / No*			DV					
11. Adequate sample volume received? <u>Yes</u> / No*								
12. Proper preservatives used? <u>Yes</u> / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) <u>Yes</u> / No*								
14. Read Temp: <u>2.6</u> Corrected Temp: <u>↓</u> Is corrected temp 4 +/- 2°C? <u>Yes</u> / No**								

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

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

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION

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:	3Q07 GEO_WELL 6148
Facility Global ID:	T0600100103
Facility Name:	ARCO #6148
Submittal Date/Time:	10/4/2007 10:25:02 AM
Confirmation Number:	1883957386

[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: 2330921232

Date/Time of Submittal: 10/4/2007 10:20:39 AM

Facility Global ID: T0600100103

Facility Name: ARCO #6148

Submittal Title: 3Q07 GW Monitoring

Submittal Type: GW Monitoring Report

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

ARCO #6148
5131 SHATTUCK
OAKLAND, CA 94609

Regional Board - Case #: 01-0111
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000077
ALAMEDA COUNTY LOP - (SP)

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
2330921232	3Q07 GW Monitoring	Q3 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Broadbent & Associates, Inc.	10/4/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	0
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
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	N
- MATRIX SPIKE DUPLICATE	N
- 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

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