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1:35 pm, May 01, 2007

Alameda County Environmental Health



Atlantic Richfield Company (a BP affiliated company)

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

24 April 2007

Re: First Quarter 2007 Ground-Water Monitoring Report Atlantic Richfield Company Station #4494 566 Hegenberger Road Oakland, California ACEH Case #RO0000204

"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

First Quarter 2007 Ground-Water Monitoring Report Atlantic Richfield Company Station #4494 566 Hegenberger Road 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

24 April 2007

Project No. 06-08-623

Broadbent & Associates, Inc. 1324 Mangrove Ave., Suite 212 Chico, CA 95926 Voice (530) 566-1400 Fax (530) 566-1401



24 April 2007

Project No. 06-08-623

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

Attn.: Mr. Paul Supple

Re:

First Quarter 2007 Ground-Water Monitoring Report, Atlantic Richfield Company (a BP

affiliated company) Station #4494, 566 Hegenberger Road, Oakland, California;

ACEH Case #RO0000204

Dear Mr. Supple:

Attached is the *First Quarter 2007 Ground-Water Monitoring Report* for Atlantic Richfield Company Station #4494 (herein referred to as Station #4494) located at 566 Hegenberger Road, Oakland, California (Property). This report presents results of ground-water monitoring conducted at Station #4494 during the First Quarter 2007.

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, Alameda County Environmental Health (Submitted via ACEH ftp site)

Electronic copy uploaded to GeoTracker

ARIZONA CALIFORNIA

NEVADA

TEXAS

ROBERT H. MILLER

STATION #4494 GROUND-WATER MONITORING REPORT

Facility: #4494 Address: 566 Hegenberger Road, Oakland, California

Environmental Business Manager: Mr. Paul Supple

Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus Consulting Co./Contact Persons:

(530) 566-1400

06-08-623 Consultant Project No.:

Primary Agency/Regulatory ID No.: Alameda County Environmental Health (ACEH)

ACEH Case #RO0000204

Facility Permits/Permitting Agency: NA

WORK PERFORMED THIS OUARTER (First Ouarter 2007):

- 1. Prepared and submitted Fourth Quarter 2006 status report. Work performed by Broadbent & Associates, Inc (BAI).
- 2. Conducted ground-water monitoring/sampling for First Quarter 2007. Work performed on 6 March 2007 by Stratus Environmental, Inc (Stratus).
- 3. In accordance with 6 February 2007 letter request to accommodate case closure consideration, BP notified ACEH that BP is the sole land owner of the Property.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2007):

- 1. Prepared and submitted this First Ouarter 2007 Ground-Water Monitoring Report (contained herein).
- 2. No environmental field work is currently anticipated during the Second Quarter 2007.

SUMMARY:

Ground-water monitoring/sampling Current phase of project: Semi-Annually (1Q, 3Q) = MW-1, MW-3 through $\overline{MW-7}$, Frequency of ground-water monitoring: and RW-1 Semi-Annually $(1Q, 3Q) = \overline{MW-1}$ and $\overline{MW-6}$ Frequency of ground-water sampling: Annually (3Q) = MW-3 through MW-5, MW-7, and RW-1 Is free product (FP) present on-site: No

1,550 cubic yards

Bulk soil removed to date:

Current remediation techniques: Depth to ground water (below TOC):

General ground-water flow direction:

Approximate hydraulic gradient:

None 5.35 ft (MW-6) to 8.95 ft (MW-3)

Northwest

0.02 ft/ft

DISCUSSION:

Case closure for Station #4494 has been requested and is currently awaiting review from the Alameda County Environmental Health Department before submission to the Regional Water Quality Control Board. First quarter 2007 ground-water monitoring and sampling was conducted at Station #4494 on 6 March 2007 by Stratus. Water levels were gauged in the seven wells at the Site. No irregularities were noted during water level gauging. Depth to water measurements ranged from 5.35 ft at MW-6 to 8.95 ft at MW-3. Resulting ground-water surface elevations ranged from 5.23 ft above mean sea level in well MW-4 to 1.76 ft at well MW-7. Water level elevations were between historic minimum and maximum ranges for each well since 22 September 2003 (since the well elevations were resurveyed), as summarized in Table 1. Co-monitored water level elevations from the nearby Shell-branded Service

Station at 540 Hegenberger Road were not used to create elevation contours because the data could not be obtained. Water level elevations from Station #4494 yielded a potentiometric ground-water flow direction and gradient to the northwest at approximately 0.02 ft/ft, within the range of 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.

Consistent with the current ground-water sampling schedule, water samples were collected from wells MW-1 and MW-6. Well MW-1 purged dry before three casing volumes were removed. 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), 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. No significant irregularities were encountered during laboratory analysis of the samples. MTBE was detected above the laboratory reporting limit in each of the two wells sampled at concentrations up to 1.8 micrograms per liter (µg/L) in well MW-1. The remaining analytes were not detected above their laboratory reporting limits in the two wells sampled this quarter. Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well. Historic laboratory analytical results are summarized in Table 1, Table 2, and Appendix B. A copy of the Laboratory Analytical Report, including chain of custody documentation is provided in Appendix A. The co-monitored elevation and analytical data for the nearby Shell-branded service station at 540 Hegenberger Road could not be obtained for First Ouarter 2007.

First Quarter 2007 groundwater monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 Database. Upload confirmation pages have been provided in Appendix C.

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, 6 March 2007, Station #4494, 566 Hegenberger Road, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #4494, 566 Hegenberger Rd, Oakland, CA

Page 3

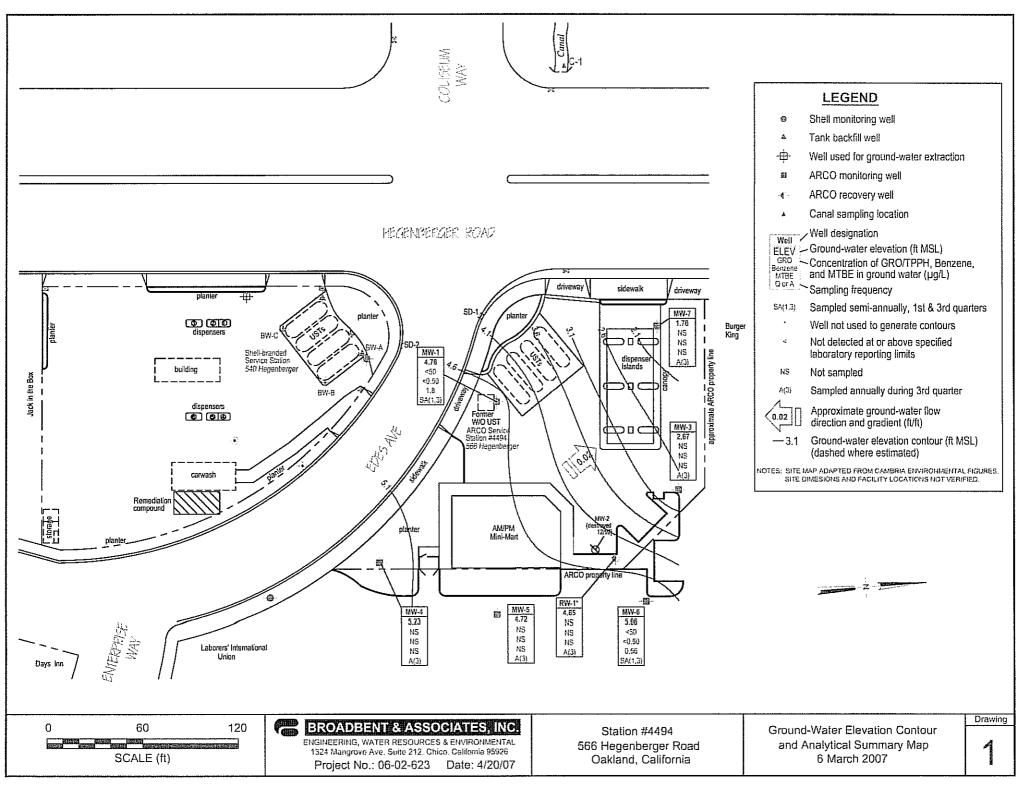
Table 2. Summary of Fuel Additives Analytical Data, Station #4494, 566 Hegenberger Rd, Oakland, CA

Table 3. Historical Ground-Water Flow Direction and Gradient, Station #4494, 566 Hegenberger Rd, 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. Historical Ground-Water Data

Appendix C. GeoTracker Upload Confirmations



				Top of	Bottom of		Water Level	Level Concentrations in (µg/L)							
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(fcet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pH
MW-1				····											
6/20/2000		a	106.10	13.0		7,02	99.08	<1,000	<10	<10	<10	<20	4000/ 1500		
9/28/2000		a	106.10	13.0		7.07	99.03	<500	<5.0	<5.0	<5.0	<5.0	3000/ 18800		
12/17/2000			106.10	13.0		6.95	99.15	<50	<0.5	<0.5	₹0.5	<0.5	10,600		
3/28/2001			106.10	13.0		6.88	99.22	<500	<5.0	<5.0	<5.0	<5.0	16,900		
6/21/2001			106.10	13.0		7.18	98.92	<1,000	<10	<10	<10	<10	3,400		
9/23/2001		a	106.10	13.0		7.11	98.99	<1,000	<10	<10	<10	<10	2200/1800		
12/31/2001			106.10	13.0		6.91	99 19	<5,000	<50	<50	<50	<50	14,000		
3/14/2002			106.10	13.0		6.85	99.25	<5,000	<50	<50	<50	<50	6,200		
4/17/2002			106.10	13.0		5.89	100.21	<5,000	<50	<50	<50	<50	4,500		
8/8/2002		a, b	106.10	13.0	-	7.19	98.91	230	<2.0	<2.0	<2.0	<2.0	660/440	4.5	7.8
12/12/2002		a, d	106 10	13.0		7,28	98.82	630	₹5.0	<5,0	<5.0	<5.0	1300/830	1.9	7,6
3/20/2003		С	106.10	13.0	-	6.91	99.19	1,100	<5.0	<5.0	<5.0	<5.0	780	2.2	8.5
6/23/2003			106.10	13.0		7.61	98.49	530	<5.0	<5.0	\$5.0	<5.0	260	1.2	7.6
9/22/2003		A	11.36	13.0		7.78	3.58	<50	<0.50	<0.50	<0.50	<0.50	17 260	3.5	7.7 6.9
12/03/2003	Pictoria		11.36	13.0		7.90	3.46	410	2,6	9.8	\$2.5	111 <2.5	130	2.1 2.4	7.0
03/18/2004	P	LISTOMATOMATA INDREMI (III. ANG SATURE STRUCTURE)	11.36	13.0		6.68	4.68	<250	<2.5	<2.5	<2.5	<2.5 <2.5	130	1.3	7.0
05/25/2004	P		11.36	13.0		7.55	3.81	<250	<2.5 1.5	<2.5 <1.0	<1.0	<1.0	140	3,8	7.12
09/22/2004	P		11.36	13.0		6.78	4.58 4.92	150 <500	<5,0	 ≤5,0	<50	<5.0	140	17	6.8
12/22/2004	P		11.36	13.0		6.44 7.03	4.33	<50	<0.50	<0.50	<0.50	<0.50	6.0	2.1	7.2
02/23/2005	P		11.36	13.0 13.0		6.66	4.70	<250	<2.5	<2.5	₹2.5	<2.5	150	3.6	7.4
06/27/2005	P		11.36	0.ور 13.0		6.67	4.69	<50	<0.50	<0.50	<0.50	<0.50	0.82	3.8	7.2
08/31/2005	P P		11.36	13.0		6.27	5.09	<50	<0.50	<0.50	<0.50	<0.50	6.8	3.9	7.5
03/08/2006 9/27/2006	P		11.36	13.0		7.12	4.24	<50	<0.50	<0.50	<0.50	<0.50	2.8	3.1	7.1
3/6/2007	NP		1136	13.0		6.58	4.78	 	<0.50	<0.50	<0.50	<0.50	1.8	2.89	6.95
willeding to the second								HINGS CO.		* *************************************	1,524,846,641,045	11 313		initane	
MW-3						14		in Tasanga ang ang ang 1251 sa	ni pantanjavahara			a amangangang		C410518820016	
6/20/2000		a	106,29	7,00	GELTE	9.18	97.11	\$50	<0.5	<0.5	<0,5	<1,0	27/27		
9/28/2000		a	106.29	7.00		9.33	96.96	<50 a asmsnadara	<0.5	<0.5	<0.5	<1.0	4.3/<2.0	 matolikki	 s(389885
12/17/2000	WE		106.29	7.00		9.31	96.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5 7.42		
3/28/2001			106.29	7.00	-	9.23	97.06	<50	<0.5	<0.5	<0.5	<0.5	1.42	-	

New			. "		Top of	Bottom of		Water Level			Concentra	tions in (µ;	g/L)			
NW-3 Cest. NW-	Well and			тос	. •		DTW	Elevation	GRO/			Ethyl-	Total		ВО	
	Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzenc	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pH
923/2001 106.29 7.00 9.76 96.53 <- 0. 0.5	MW-3 Cont.															
923/2001 -	6/21/2001			106.29	7.00	u cu mari	9.58	96.71	<50	<0.5	<0.5	<0.5	<0.5	25		
3/14/2002 106.29 7.00 9.25 97.04 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	2010/01/2012/1914			106.29	7.00		9.76	96.53	<50	<0.5	<0.5	<0.5	<0.5		-	
106.29 7.00 - 2.44 97.85 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <	12/31/2001			106.29	7.00		8.78	97.51	<50	<0,5	<0.5	<0.5	<0.5	<2.5		
88/2002 - 106.29 7.00 - 9.63 96.66 < 50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	3/14/2002			106.29	7.00	##	9.25	97.04	<50	<0.5	<0.5	<0.5	14.016.240220203060		_	
12/12/2002	4/17/2002			106.29	7.00		8.44	97.85	<50	<0.5	<0.5					
10029	8/8/2002	**	25.420.00	106.29	7.00		9.63	96.66	AND DESCRIPTION OF THE PARTY OF		- TOPOCOURANCE MARKET		VARANTARVAN LOVÁ ANALÁZA		er outen nagazi	7.9
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9/22/2003 11.62 7.00 9.48 2.14 <50 <0.50 <0.50 <0.50 <0.50 <0.50 3.9 1.4 12/03/2003 8 11.62 7.00 9.44 2.18	3/20/2003		e	106.29			12 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -		*****************		1			**************************************		7.0
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08/31/2005 NP 11.62 7.00 9.31 2.31 <50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 1.3 0.5 03/08/2006 17.62 7.00 9.40 2.22 <50 <0.50 <0.50 <0.50 <0.50 <0.50 2.8 1.5 9/27/2006 NP 11.62 7.00 9.40 2.22 <50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 2.8 1.5 3/6/2007 17.62 7.00 8.95 2.67	18111 0757045000 04509 44-04439 1210213 171200					-			i	fi fermanicament		marina recepto i filiabili	100000000000000000000000000000000000000			
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9/23/2001 107/40 7/3																
property for the property of t									A CONTRACTOR CONTRACTOR	<0.5	<0.5	<0.5	<0.5	<2.5		
3/14/2002 107.40 7.0 8.48 98.92 <50 <0.5 <0.5 <0.5 <2.5									# 199449#################################	<0.5	<0.5	<0.5	<0.5	<2.5		

				Top of	Bottom of		Water Level								
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ít bgs)	(ft bgs)	(feet bgs)	(feet msl)	ТРНд	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	рH
MW-4 Cont.															
4/17/2002			107.40	7.0		7.79	99.61	<5 0	<0.5	<0.5	<0.5	<0.5	5.6		
8/8/2002			107.40	7.0		8.90	98.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	4.5	8.0
12/12/2002		ď	107.40	7.0		9.07	98.33	< 50	<0.5	<0.5	<0.5	<0.5	<2.5	5,6	62
3/20/2003		c	107.40	7.0		8.85	98.55	<50	<0.50	<0.50	<0.50	0.50	<0.50	4.8	7.8
6/23/2003			107.40	7.0		9.26	98.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	7.5
9/22/2003		(EBI) 3555 (18 1/2/07) 4 4/2/4/ (18 1/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4/4	13.18	7.0		9.22	3.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	7.4	8.0
12/03/2003		g	13,18	7.0		9.48	3.70	1							
03/18/2004	NP	112212222222222222222	13.18	7.0	-	8.32	4.86	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	8.4
05/25/2004		g	13.18	7,0		9.03	415		11.17.17.17.17.17.17.17.17.17.17.17.17.1						
09/22/2004	NP		13.18	7.0	-	8.62	4.56	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	
12/22/2004			13.18	7.0		7.80	5.38								
02/23/2005	NP		13.18	7.0		7.74	5.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.3
06/27/2005			13.18	7.0		8,38	4.80								
08/31/2005	NP		13.18	7.0		8.15	5.03	<50	<0.50	<0.50	< 0.50	<0.50	<0.50	1.7	6.9
03/08/2006			13.18	7,0		7.84	524						-0.00		
9/27/2006	NP		13.18	7.0		8.59	4.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
3/6/2007			13.18	7.0		7.95	5.23								
MW-5														and the same of th	
6/20/2000	1		105.19	8,0		7.65	97.54	₹50	<0.5	<0.5	≤0.5	<1.0	<10		-
9/28/2000		THE PERSON NAMED OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERS	105.19	8.0		6.82	98.37	<50	<0.5	<0.5	<0.5	<1.0	<2.5	-	
12/17/2000			105.19	8.0		6.50	98.69	<50	<0.5	<0,5	<0.5	<0.5	<2.5		
3/28/2001		- 1591 1812 1831 1832 1832 1832 1832 1832 183	105.19	8.0	_	6.34	98.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5		<u> </u>
6/21/2001			105.19	8:0		7.88	97.31	<50.	<0,5	<0.5	<0.5	<0.5	<2.5		
9/23/2001		× 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1	105.19	8.0	-	6.98	98.21	<50	<0.5	<0.5	<0.5	<0.5	<2.5		AT SERVICE STREET,
12/31/2001			105.19	8.0		5.01	100.18	<50	<0.5	<0.5	<0.5	<0.5	<2.5		
3/14/2002	L DESCRIPTION OF THE PROPERTY		105.19	8.0	_	5.93	99.26	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	
4/17/2002			105.19	8.0		5.37	99.82	<50	<0.5	<0.5	<0.5	<0.5	8.5		
8/8/2002		ь	105.19	8.0		6.85	98.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.7	7.3
12/12/2002		đ	105.19	8.0		6.53	98.66	<50	2.2	4.7	1,3	6.8	<2.5	1.3	7.0
3/20/2003		e	105.19	8.0	_	6.40	98.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	7.1

				Top of Bottom of Water Le			Water Level			Concentra	tions in (µ	g/L)	•		
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluenc	Benzene	Xylenes	MTBE	(mg/L)	pН
MW-5 Cont.															
6/23/2003			105.19	8.0		6.72	98.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	13	72
9/22/2003		f	10.63	8.0	SECRETARISE PROTECTION OF THE PROPERTY OF THE	6.76	3.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	7.2
12/03/2003		g.	10,63	8.0		6.56	4.07								
03/18/2004	P	CONTROL CONTROL OF THE PROPERTY OF THE PROPERT	10.63	8.0		5.98	4.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	7.3
05/25/2004		g	10,63	8.0		6.77	3.86								
09/22/2004	P		10.63	8.0	**************************************	6.90	3.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.17
12/22/2004			10,63	8.0		6.18	4,45					0.50	-0.50		
02/23/2005	P		10.63	8.0	••• ••••••••••••••••••••••••••••••••••	5.36	5.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.2
06/27/2005			10.63	8.0		6.26	437	-50	-0.50	-0.50	-0 E0	<0.50	1.9	0.8	7.2
08/31/2005	P		10.63	8.0	- 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.70	3.93	<50 	<0.50	<0.50	<0.50	menentari propi		V.6	1.2
03/08/2006			10.63	8.0		5.12 6.69	5.51 3.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.2
9/27/2006	P		10.63	8.0		5.91	3.94 4.72	anausanisi)	00	2.0		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			i i i i i i i i i i i i i i i i i i i
3/6/2007			10.63	8.0		3.91	332333 34. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14.								ANALISE STATE
MW-6													(3) M(Y) TO () () () () () () () () () (-:	Janner
6/20/2000			105.07	8.0		6.24	98.83	<50	<0.5	<0.5	205	<1.0	<10		
9/28/2000			105.07	8.0		6.45	98.62	<50	<0.5	<0.5	<0.5	<1.0	<2.5	-	
12/17/2000			105.07	8.0		6.26	98.81	₹50	<0.5	<0.5	<0.5	<0.5	<2.5		
3/28/2001			105.07	8.0		6.10	98.97	<50	<0.5	<0.5	<0.5	<0.5	<2.5	 E :::::::::::::::::::::::::::::::::::	
6/21/2001			105.07	8.0		7.68	97.39	<50	K0.5	<0.5	<0.5	<0.5	<2.5 <2.5		
9/23/2001		** ************************************	105.07	8.0	-	6.72	98.35	<50	<0.5	<0.5 <0.5	<0.5 ≤0.5	<0.5			
12/23/2001			105.07	8.0		4.68	100.39	<50	<0.5 <0.5	<0.5	<0.5	<0.5	<2.5		
3/14/2002	-	***************************************	105.07	8.0	-	5.55	99.52	<50 <50	<0.5	<0.5	<0.5	<0.5	7.0		
4/17/2002			105.07	8.0		4.96	100:11 98.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.7	7.3
8/8/2002			105.07	8.0	-	6.46 6.18	98.89	65	33	8.4	2.7	1 14	~2.5		6.9
12/12/2002		d d	105.07	8.0 8.0		6.18	98.89	<50	<0.50	<0.50	<0,50	<0.50	<0.50	2.2	7.0
3/20/2003	-	e Les orași de la constant de la cons	105.07	8.0		6.15	98.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	7.1
6/23/2003			105.07 10.41	8.0		6.43	3.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	7.0
9/22/2003		f 	10.41	8.0		6.12	4.29								
12/03/2003	P	E	10.41	8.0		5.40	5.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.2
03/18/2004	1 1		10.41	11.0	-	1 2.50	1	1	1	1	1	1	1	I	ŧ.

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pH
MW-6 Cont.		***													
05/25/2004		<u>g</u>	10.41	8.0		6.30	4.11								
09/22/2004	P		10.41	8.0		6.43	3.98	<50	<0.50	<0.50	< 0.50	<0.50	<0.50	1.3	7.01
12/22/2004			10,41	8.0		5,73	4.68								
02/23/2005	P		10.41	8.0		4.61	5.80	<50	<0.50	<0.50	<0.50	<0.50	5.0	2.6	7.1
06/27/2005			10.41	8.0		5.78	4.63							1	
08/31/2005	P	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.41	8.0	-	6.19	4.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
03/08/2006	Pielin		10.41	8.0		4.59	5.82	200	<0,50	<0.50	<0.50	<0.50	<0.50	2.8	7,3
9/27/2006	P	1277) (3062) 4 602 21721 (472-40 (444-40)	10.41	8.0	-	6.13	4.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	7.1
3/6/2007	P		10.41	8.0		5.35	5.06	<50	<0.50	<0.50	<0.50	<0.50	0.56	1.77	7.49
MW-7															
6/20/2000			105.52	9.0		8.65	96.87	<50	<0.5	ii<0.5	≤0.5	€1.0	13/13		
9/28/2000		n	105.52	9.0		8.75	96.77	<50	<0.5	<0.5	<0.5	<1.0	136/261	_	**
12/17/2000			105.52	9.0		8.62	96,90	<50	<0.5	<0.5	<0.5	<0.5	27.1		
3/28/2001		123,045,669,631,000,641,201,121,121,121,121,121,121,121,121,12	105.52	9.0		8.66	96.86	<50	<0.5	<0.5	<0.5	<0.5	51.5		
6/21/2001			105.52	9.0		8.84	96.68	<50	<0.5	<0.5	<0.5	<0.5	53		
9/23/2001		a	105.52	9.0	—	8.75	96.77	<50	<0.5	<0.5	<0.5	<0.5	35/21	-	
12/23/2001			105.52	9.0		7.79	97.73	<50	<0.5	<0.5	<0.5	<0.5	440		
3/14/2002		100000000000000000000000000000000000000	105.52	9.0		8.30	97.22	<50	<0.5	<0.5 <0.5	<0.5 <0.5	<0.5	18 67		1
4/17/2002			105.52	9.0		7,43	98.09	<50	<0.5 <0.5	<0.5	<0.5	<0.5	130/100	1.1	7.1
8/8/2002	-	a, b	105.52	9.0		8.61	96.91	55 75	< 0.5	< 0.5	< 0.5	<0.5	150/100	1.2	7.0
12/12/2002		a, d, h	105.52	9.0		8.55	96.97 97.14	/5 <50	<0.50	<0.50	<0.50	<0.50	32	2.2	7.2
3/20/2003		e :	105.52	9.0		8.38 8.37	97.14	<50 ≪50	<0.50	<0.50	<0.50	<0.50	14	0.8	7.1
6/23/2003			105.52	9.0		8.95	1.56	<50	<0.50	<0.50	<0.50	<0.50	5.3	2.2	7.2
9/22/2003		f	10.51 10.51	9.0 9.0		8.86	1.65	<50	<0.50	<0.50	<0.50	<0.50	42	0.1	7.2
12/03/2003	P		10.51	9.0		8.03	2.48	<50	<0.50	<0.50	<0.50	<0.50	3.0	1.0	7.2
03/18/2004	P P		10.51	9.0		8.37	2.14	< 50	<0.50	<0.50	<0.50	<0.50	4.1	0.7	7.1
05/25/2004	P		10.51	9.0		8.90	1.61	<50	<0.50	<0.50	<0.50	<0.50	2.3	0.9	7.27
09/22/2004 12/22/2004	P		10.51	9.0		7.90	2.61	< 5 0	<0.50	<0,50	<0.50	<0.50	27	2.8	7.2
02/23/2005	P		10.51	9.0		8.23	2.28	180	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	7.1

			Top of Bottom of \			Water Level			Concentra	tions in (µ;	g/L)				
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	рH
MW-7 Cont.															
06/27/2005	anis Pinisi		10.51	9.0		8.24	227	< 50	<0.50	<0.50	<0.50	<0.50	4.2	0.1	6.7
08/31/2005	P	watersered in the second of	10.51	9.0	-	8.27	2.24	<50	<0.50	<0.50	<0.50	<0.50	2.5	1.6	7.2
03/08/2006			10.51	9.0		7,73	2.78								
9/27/2006	P		10.51	9.0		8.31	2.20	<50	<0.50	<0.50	<0.50	<0.50	3.7 	1.1	7.3
3/6/2007			10.51	9.0		8.75	1.76								
RW-1															
6/20/2000						8.21		<50	<0.5		<0.5	<1.0	<10		
9/28/2000	-	100 management - 200 mm m m m m m m m m m m m m m m m m	_	-		8.28	_	<50	<0.5	<0.5	<0.5	<1.0	<2.5	_	
12/17/2000			100 100 100 100 100 100 100 100 100 100			8.29		< 50	<0.5	<0.5	<0.5	<0,5	2.5		
3/28/2001	-		-	-		8.16		<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	
6/21/2001						9.37		160	511	<0.5 <0.5	1.1 <0.5	3.2 <0.5	<2.5 <2.5		
9/23/2001						8.75 6.80		57 520	<0.5 3.1	<0.5 ≤0.5	6.4	4.7	\2.5 <2.5		
12/31/2001						7.86		240	3.7	<0.5	0.7	2.8	<2.5		
3/14/2002 4/17/2002	-					7.13		<50	<0.5	1,6	<0.5	0,72	**************************************		
8/8/2002		a, c		-		8.48		<50	<0.5	<0.5	<0.5	< 0.5	3.7/<0.5	1.1	7.0
12/12/2002	And the second s					8.63		<50	<0.5	₹0.5	<0.5	<0.5	⊀2 ;5	1.9	6.9
3/20/2003		c				8.08		<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	7.3
6/23/2003						8.28		₹50	<0.50	<0.50	<0.50	<0.50	<0.50		7.3
9/22/2003		f	11.97		-	8.42	3.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	7.1
12/03/2003		g	11.97			8.05	9.92								
03/18/2004	P		11.97			7.18	4.79	50	0.54	<0.50	<0.50	<0.50	<0.50	0.9	7.1
05/25/2004		g	11.97			8.32	3:65				-0.50	-0.50	-0.50		
09/22/2004	P		11.97	 	- Hill 14-25 (A)	8.42	3.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	6.7
12/22/2004			11.97			7.23 6.89	4.74 5.08	190	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	7.2
02/23/2005	P		11.97			7.86	3.0a 4.11	190	VC.00	\1,u	70.50	-0.50			ristrición
06/27/2005	n n		11.97			8,20	3.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	7.2
08/31/2005 03/08/2006	P		11.97			6.49	5.48								102206
9/27/2006	P		11.97		-	8.04	3.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (It bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	GRO/ TPHg	Benzene	Concentra Toluene	Ethyl-	g/L) Total Xylenes	мтве	DO (mg/L)	pН
RW-1 Cont.															
3/6/2007			11.97			7,32	4.65								0 11000000

SYMBOLS AND ABBREVIATIONS:

--/--- = Not calculated, surveyed, available, applicable, analyzed

< = Not detected at or above specifed laboratory reporting limit

DO = Dissolved oxygen

DTW = Depth to water in ft bgs

ft bgs = Feet below ground surface

ft MSL = Feet above mean sea level

GRO = Gasoline range organics

GWE = Groundwater elevation in ft MSL

mg/L = Milligrams per liter

MTBE = Methyl tert-butyl ether analyzed by EPA Method 8021B prior to 3/20/03 unless otherwise noted

NP = Well not purged prior to sampling

P = Well purged prior to sampling

TPH-g = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M prior to 3/20/03 and by 8260b henceforth

TOC = Top of casing in ft MSL

µg/L = Micrograms per liter

FOOTNOTES:

a = MTBE confirmation analyzed by EPA Method 8260.

b = Hydrocarbon pattern is present in the requested fuel quantitation range for TPH-g/GRO but does not resemble the pattern of the requested fuel.

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

d = Analyzed by EPA Method 8215B/8021B for TPHg/GRO.

e = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on 2003 samlping event (03/20/03).

f = TOC elvations were re-surveyed on July 18, 2003 by URS Corporation of Pleasant Hill, CA.

g = Wells MW-3, MW-4, MW-5, MW-6 and RW-1 are sampled semi-annually in the 1st and 3rd quarters.

h = TOC was found shattered on December 12, 2002. TOC unknown.

i = Initial analysis for GRO and MTBE within holding time but failed QA/QC criteria.

j = Hydrocarbon result for GRO partly due to individual peak(s) in quantitative range.

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 has been changed from C6-C10 to C4-C12.

The 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 #4494, 566 Hegenberger Rd., Oakland, CA

Well and				Concentrati	ons in (μg/L)	****			
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-1									
3/20/2003	₹1.000	640	780	45 Ö	 	<5.0			
6/23/2003	<1,000	<200	260	<5.0	<5.0	<5.0	<5.0	<5.0	Hamananian kan kala kala kala kan kan kan kan kan kan kan kan kan ka
9/22/2003	<100	250	17	<0.50	 	<0.50			
12/03/2003	<500	<100	260	<2.5	<2.5	<2.5		**************************************	A KODPHINGS (ADD COMMEND TO SPACE AND
03/18/2004	<500	≥100	130	€2.5	<2.5	25	2.5	<2.5	
05/25/2004	<500	<100	120	<2.5	<2.5	<2.5	<2.5	<2.5	
09/22/2004	≤200	<40	140	<1.0	<1.0	<1.0	<1.0	<1.0	
12/22/2004	<1,000	<200	74	<5.0	<5.0	<5.0	<5.0	<5.0	A SALAH MANANAN A SALAH SALAH MANANAN AND AND AND AND AND AND AND AND A
02/23/2005	<100	<20	6.0	<0.50	<0.50	2.4	<0.50	<0.50	
06/27/2005	<500	<100	150	<2.5	<2.5	<2.5	<2.5	<2.5	The state of the s
08/31/2005	≼100	<20	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	a
03/08/2006	<300	<20	6.8	<0.50	< 0.50	<0.50	<0.50	<0.50	b
9/27/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2007	<300	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									
3/20/2003	<100	<20	601	<0.50	<0.50		**************************************		
6/23/2003	<100	<20	5.2	<0.50	<0.50	0.75	<0.50	<0.50	
9/22/2003	<100	<20	3,9	<0.50	<0.50	<0.50			
03/18/2004	<100	<20	4,6	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	47	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	<20	13	<0.50	<0.50	<0,50	<0.50	<0.50	
9/27/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4				***************************************					
3/20/2003	<100	<20	<0.50	<0.50⊞	<0.50	<0.50			
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0,50	A STATE OF THE STA
9/22/2003	<100 =	<20	<0.50	<0.50	<0.50	<0,50	and the state of		
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	N NO CONTROL I LA LENGUESCO DE VENEZA DE LA LEGA LEGA LEGA DE LEGA LEGA LEGA LEGA LEGA LEGA LEGA LEG
09/22/2004	<100	<20	<0,50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and		····		Concentration	ons in (µg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ЕТВЕ	TAME	1,2-DCA	EDB	Comments
MW-4 Cont.									
08/31/2005	<100	E 420 E	<0.50	 <0.50	≤0.50	<0,50	<0.50	<0.50	
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	province of the second state of the second s
MW-5									
3/20/2003	<100	<20	 <0.50	<0.50	 	₹0.50			
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	< 0.50	<0.50	
9/22/2003	₹100	-20 -<20	<0.50	<0.50	 	<0,50			
03/18/2004	<100	**************************************	<0.50	< 0.50	<0.50	< 0.50	<0.50	<0.50	SECTION OF THE SECTIO
09/22/2004	\$100 E	₹20	<0.50	₹0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	27797933173-9-0-related assessment in Artificial State Little 2782013311 (LT 9)
08/31/2005	<100	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-6									
3/20/2003	<100	₹20	<0,50	<0.50	<0.50	<0.50			
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	20 min	<0.50	<0.50	<0.50	<050			
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	Control of the Contro
09/22/2004	<100	<20	<0.50	<0.50	≤0.50	<0.50	≤0.50	<0.50	
02/23/2005	<100	140	5.0	<0.50	<0.50	<0.50	<0.50	<0.50	And the state of t
08/31/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/08/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0,50	
3/6/2007	<300	<20	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7				t in the second					
3/20/2003	<100	<20	21	<0.50	<0.50	0.62			
6/23/2003	<100	170	14	<0.50	<0.50	<0.50	<0.50	<0.50	A CHARLES AND A
9/22/2003	4100	170	53	<0.50	<0.50	<0.50			
12/03/2003	<100	85	4.2	<0.50	<0.50	<0.50	_		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
03/18/2004	<100	<20	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
05/25/2004	<100	43	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and				Concentratio	ns in (μg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-7 Cont.									
12/22/2004	<100	34	2.7	<0.50	14050	K0.50	20.50	₹0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/27/2005	<100	86	42	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	41	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	120	3.7	<0.50	<0.50	<0.50	<0.50	<0.50	
RW-1									
3/20/2003	<100	≤20	<0.50	<0.50	<0.50	<0.50			
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	<20	<0.50	<0,50	<0.50	<0.50			
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	2 0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	<20	<0.50	<0.50	<0.50	≺0,50	<0.50	<0,50	
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS AND ABBREVIATIONS:

< = Not detected at or above specified laboratory reporting limit

--/--- = Not analyzed, sampled, available

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

b = Possible high bias due to CCV falling outside acceptance criteria for TAME, MTBE, 1,2-DCA, and/or ETBE.

NOTES:

All fuel oxygenate 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 #4494, 566 Hegenberger Rd., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/20/2000	North-Northeast	0.02
9/28/2000	North	0.02
12/17/2000	North-Northwest	0,01
3/28/2001	Northwest	0.01
6/21/2001	North	0.02
9/23/2001	North	0,02
12/31/2001	North-Northwest	0.02
3/12/2002	North-Northwest	0.02
4/14/2002	Northwest	0.01
8/8/2002	North-Northwest	0,02
12/12/2002	North-Northwest	0.02
3/20/2003	North-Northwest	0,02
6/23/2003	Northwest	0.01
9/22/2003	Northwest	0.02
12/3/2003	Northwest	0.01
3/18/2004	North-Northwest	0.01
5/25/2004	North-Northwest	0.01
9/22/2004	North-Northwest	0.02
12/22/2004	Northwest	0.02
2/23/2005	Northwest	0.02 (on-Site)
6/27/2005	Northwest	0.02 (on-Site)
8/31/2005	Northwest	0.02 (on-Site)
3/8/2006	Northwest	0.03 (on-Site)
9/27/2006	North-Northwest	0.02
3/6/2007	Northwest	0.02

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)



RECEIVED

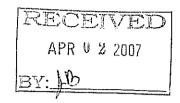
MAR 3 0 2007

BY:_____

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

March 27, 2007

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



Re:

Groundwater Sampling Data Package, BP Service Station No. 4494, located at 466 Hegenberger Road, Oakland, California (Quarterly Monitoring performed on March 6, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson

Phone Number: (530) 676-6000

On-Site Supplier Representative: Jerry Gonzales

Date: March 6, 2007

Arrival: 11:30 Departure: 13:30

Weather Conditions: Partly Cloudy Unusual Field Conditions: None

Scope of Work Performed: Quarterly monitoring and sampling

Variations from Work Scope: Well MW-1 purged dry before three casing volumes were

removed.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, 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.

Vroject Manager

Attachments:

- Bill of Lading
- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

SOURCE RECORD BILL OF LADING FOR NON-**HAZARDOUS** PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-**HAZARDOUS** PURGEWATER WHICH HAS RECOVERED FROM GROUNDWATER WELLS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY BELSHIRE **ENVIRONMENTAL** TO **SEAPORT** ENVIRONMENTAL IN REDWOOD CITY, CALIFORNIA.

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550. Cameron Park, CA 95682, (530) 676-6004], and Doulos Environmental, Inc. [Doulos, PO Box 2559, Orangevale, CA 95662, (916) 990-0333]. Stratus is authorized by BP GEM OIL COMPANY to recover, collect, and apportion into loads the nonhazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to BP GEM Oil Company facility 5786 located in West Sacramento, California. Doulos also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of non-hazardous well purgewater from wells at the BP GEM Oil Company facility described below:

4494	
Station #	
566	•
Oakland -466 Hegenberger Road Station Address	
Station Address	
Total Gallons Collected From Gro	oundwater Monitoring Wells:
411.15	
Added Equipment Rinse Water5	Any Other Adjustments
Tonise Water	Adjustifients
TOTAL GALS.	loaded onto
RECOVERED 45	Doulos vehicle #
Stratus Project #	time date
APPROXIMATE I	1330 316107
Signature	ry 6.
	,
******	* * * * * * * * * * * * * * * * * *
RECEIVED AT	time date
BP 5786	1830 3114107
Unloaded by O 1 1 11	10,10, 3,1,0,10,1
Signature //////	

BP ALAMEDA PORTFOLIO

HYDROLOGIC DATA SHEET

AL 1130 DY 13:30

Gauge Date: 3-6-07

Project Name: Oakland - 566 Hegenberger Road

Field Technician:

Project Number: 4494

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

	DIB - Depin to	1								
WELL OR LOCATION	TIME		Т	MEASU	IREMENT	,		PURGE & SAMPLE	SHEEN CONFIRMATION	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV		(w/bailer)	
MW.	13:05			6.58	22.88					
MW.3	1130			8.95	12.77					
MW.9	17:27			7.95	16.50					
MW.5	11:41			100000	16.85		<u> </u>			
MW. 1 MW. 9 MW. 5 MW. 6 MW. 7 RW. 1	11.97			5.35	17.98					· · · · · · · · · · · · · · · · · · ·
NW. 7	1135			8.75	1332					
RW-1	12.01			7.3 2	11.20					
										,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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	BP VALLEY POR	RTFOLIO	
W.	ATER SAMPLE FIELI	DATA SHEET	
PROJECT #: 4494 CLIENT NAME:	PURGED BY: 00	WELL	I.D.: MW-/
LOCATION: Oakland - 566 Hegenberger			MPLES:
DATE PURGED 3-6-07 DATE SAMPLED 3-6-07 SAMPLE TYPE: Groundwater x	START (2400hr) / 2 SAMPLE TIME (2400hr) Surface Water	END (2) 13-/5 / Treatment Effluent	2400hr) /2!35 Other
CASING DIAMETER: 2" (0.17)	3" 4" (0.67)	5" (1.02) 6" (1.50)	8" Other (1.60)
DEPTH TO BOTTOM (feet) = 7 2 8 9 DEPTH TO WATER (feet) = 6 5 WATER COLUMN HEIGHT (feet) = 7 6	8	CASING VOLUME (gal) = CALCULATED PURGE (ACTUAL PURGE (gal) =	- 0 4-
	FIELD MEASUREM	ENTS	
DATE TIME VOLUME (2400hr) (gal) 7 6 6 7 / 2:35 // / 2:35 27	TEMP. CONDUC (degrees F) (umho 2/5 26.2	(units) 7, 23	COLOR TURBIDITY (visual) (NTU) Color purp Dru
	SAMPLE INFORMA	TION	
SAMPLE DEPTH TO WATER: 9.41		SAMPLE TURB	IDITY: <u>Clear</u>
80% RECHARGE: YES_NO	ANALYSES: <	eework order	
ODOR: SAMPLE VES	SSEL/PRESERVATIVE:		Market Transport
PURGING EQUIPMENT		SAMPLING EQU	JIPMENT
Bladder Pump Centrifugal Pump Bailer (PV Submersible Pump Peristalic Pump Dedicated	(C) Continues Steel) S	entrifugal Pump Bai ubmersible Pump Bai	ller (Teflon) ller (PVC ordisposable) ller (Stainless Steel) / licated
Other: Pump Depth: 2.7.80	Other:		
WELL INTEGRITY: COSP : REMARKS: DO 2-89		LOCK#: <u>A</u>	METOR
SIGNATURE: Alexi			Pageof
W.			

[-	BP VALLE	Y PORTFOL	IO		
V	VATER SAMPLI	E FIELD DATA	SHEET		
PROJECT#: 4494 CLIENT NAME: LOCATION: Oakland - 566 Hegenberge	PURGED BY: SAMPLED BY: _ r Road	J0 Je		.D.: <u>// // // // // // // // // // // // //</u>	6
DATE PURGED 3-6-07 DATE SAMPLED 3-6-07 SAMPLE TYPE: Groundwater x	START (2400hr) SAMPLE TIME (2-	400hr) <u> </u>	END (24	100hr) / Z	:52
CASING DIAMETER: 2" (0.17)	3" (0.38)	(0.67) 5" (1.6	02) 6" (1.50)	8" (2.60)	Other ()
DEPTH TO BOTTOM (feet) = 17.9 DEPTH TO WATER (feet) = 5.5 WATER COLUMN HEIGHT (feet) = 12	8 3.5 .6	CALC	NG VOLUME (gal) = CULATED PURGE (g JAL PURGE (gal) =	$al) = \frac{2}{2}$	<i>y</i>
	FIELD MI	EASUREMENTS			***
DATE TIME (2400hr) (gal) 3-6-5 / 2:5/	TEMP. (degrees F) 25.5 24.5 23.5	CONDUCTIVITY (umhos/cm) 15.46 7.62 6.50	pH (units) 2 7 7 5 7 7 199	COLOR (visual) Cloudy Cloudy	TURBIDITY (NTU)
SAMPLE DEPTH TO WATER: 5.40	SAMPLE I	NFORMATION	SAMPLE TURBI	DITY: C	
80% RECHARGE: YES NO	ANATS	ses: See wa	it k order		
1.10	ESSEL / PRESERVATI	7 1 1-	a-HCC		
PURGING EQUIPMENT Bladder Pump Bailer (T Centrifugal Pump Bailer (S Submersible Pump Bailer (S Peristalic Pump Dedicate Other: Pump Depth: \(\subseteq \subseteq \)	VC) tainless Steel)	Bladder Pum Centrifugal I Submersible Peristalic Pun Other:	Pump Baile Pump Baile	er (Teflon)	ordisposable)
WELL INTEGRITY: 5000 REMARKS: DO. 1.77			LOCK#:	nosit	
SIGNATURE:	16 (1)	<u></u>		P	ngeof

Wellhead Observation Form

Account:	
Sampled by:	Date: 3-607

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									<u> </u>	
new 3	4	N	9	4	N	N	N			
nu-9	4	N	N				N		-	Needs NO BOITS
MW. 5	4	4	4	4	ç	N	N			
MW.5 MW.6 MW-7 PW-1	4	N	4	N	11	N	N			
Maria - p		<i>N</i>	N	9	N	N	N			·
K 100-1	4	N	N	4	4	N	N	N		
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Page <u>1</u> of <u>1</u>	
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Atlantic Richfield
Company
A BP affiliated company

Chain of Custody Record

Project Name: BP 4494

BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > CA > Alameda>4494

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

On-site Time: // 230	Temp: 60
Off-site Time: 13:30	Temp: 6.5
Sky Conditions: PT Clouden	
Meteorological Events:	
Wind Speed: 5 MPh	Direction

Lab Name: TestAmerica			_			BP/AR Facility No	D.:	4	494					-				Cor	ısultan	t/Cor	troote	.e.	Stratus Tani		
Address: 885 Jarvis Drive	-					BP/AR Facility Ac		s;	566	Heg	enbe	rger	Ros	d. O	akla	nd			iress:				Stratus Environ eron Park Drive,		
Morgan Hill, CA 95937		_				Site Lat/Long:						- 6						1	M 603,				Park, CA 95682	Suite 550	
Lab PM: Lisa Race						California Global 1	D#:	T	06001	10010	4							Cor	enlton					94-04	——
Tele/Fax: 408-782-8156 408-782	-6308 (fax)					Enfos Project No.:												_	sultan					ohnson	
BP/AR PM Contact: Paul Supple					$\neg \vdash$	Provision or RCO	P (ci	rele e	ne)		Prov	ision						╫╼╼	/Fax:	-			6000 / (530) 676		
Address: 2010 Crow Canyon Place,	Suite 150					Phase/WBS:				toring		101011		-				-	ort Ty					1 1 with EDF	
San Ramon, CA						Sub Phase/Task:			Analy														s@stratusinc.n		
Tele/Fax: 925-275-3506						Cost Element:				actor	labo	1											eld Co.	<u> </u>	
Lab Bottle Order No:			֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Mat	rix			П	P	reser	vativ	ve		,]	Rear		d Ana			COIII	1		
Item Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCI	Methanol	-	GRO/BTEX/0xy*	1,2 DCA	Ethanol	EDB	ORO						oint Lat/Long a comments , TAME, ETBE TBA	
1 MW-1	1375	3-6-07	7	х			3			ī	х		\exists				х			╅		╈			
2 MW-6		36-9		x	+		6	╟	-		x					^ X	_		+	-	\dashv	+	<u> </u>		
3 TB 4494		1.1	7	x	+		2	-									_		-	\dashv	+				
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hipment Method:									•				寸		╗					-			<u></u>		
hipment Tracking No:													1		_										
pecial Instructions:	Please	ec resul	ts to:	rmi	ller@	broadbentine.com									! !										
Custody Seals In Place: Yes	s/No	Temp	Blar	ık: Y	/es / 1	No Cooler	Tem	o on	Rece	eipt:		°F/	/C		Tr	ip B	lank	: Ye	s / No		N	IS/M	SD Sample Subr	nitted: Yes / N	lo
						·														-					

23 March, 2007

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

RE: ARCO #4494, Oakland, CA

Work Order: MQC0346

Enclosed are the results of analyses for samples received by the laboratory on 03/09/07 07:45. 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.





Project: ARCO #4494, Oakland, CA

Project Number: G0C2G-0014 Project Manager: Jay Johnson MQC0346 Reported: 03/23/07 12:25

ANALYTICAL REPORT FOR SAMPLES

Sample 1D	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQC0346-01	Water	03/06/07 13:15	03/09/07 07:45
MW-6	MQC0346-02	Water	03/06/07 12:57	03/09/07 07:45
TB 4494	MQC0346-03	Water	03/06/07 07:00	03/09/07 07:45

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.





Project: ARCO #4494, Oakland, CA

Project Number: G0C2G-0014 Project Manager: Jay Johnson MQC0346 Reported: 03/23/07 12:25

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 (MQC0346-01) Water Sampled:	03/06/07 13:15	Received:	03/09/07	07:45					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C14018	03/14/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		106 %	60	145	11	ıı	, II	11	
MW-6 (MQC0346-02) Water Sampled:	03/06/07 12:57	Received:	03/09/07	07:45					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C14018	03/14/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		106 %	60	145	n	"	11	n	





Project: ARCO #4494, Oakland, CA

Project Number: G0C2G-0014 Project Manager: Jay Johnson MQC0346 Reported: 03/23/07 12:25

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-1 (MQC0346-01) Water	Sampled: 03/06/07 13:15	Received:	: 03/09/07 0	7:45					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C14018	03/14/07	03/15/07	EPA 8260B	
Benzene	ND	0.50	0	U	н	tt	19	H	
tert-Butyl alcohol	ND	20	U	0	н	11	II .	D	
Di-isopropyl ether	ND	0.50	a	U	"	**	II .	n	
1,2-Dibromoethane (EDB)	ND	0.50	a	U	И	#1	ш	U	
1,2-Dichloroethane	ND	0.50	a	u	R	#1	ш	U	
Ethanol	ND	300	а		Iŧ	†1	ш	n	
Ethyl tert-butyl ether	ND	0.50	41	"	It	11	ш	ď	
Ethylbenzene	ND	0.50	а	U	н	И	II	U	
Methyl tert-butyl ether	1.8	0.50	9	u	н	н	0	n	
Toluene	ND	0.50	a a	U	И	н	IJ	ij	
Xylenes (total)	ND	0.50	ri .	0	И	н	II	D	
Surrogate: Dibromofluoromethan	е	99 %	75-13	0	"	17	"	n	
Surrogate: 1,2-Dichloroethane-d4	1	106 %	60-14	5	п	ir .	"	Ħ	
Surrogate: Toluene-d8		94 %	70-13	0	Ir	и	"	"	
Surrogate: 4-Bromofluorobenzene	1	88 %	60-12	0	11	u	"	"	
MW-6 (MQC0346-02) Water	Sampled: 03/06/07 12:57	Received:	03/09/07 0	7:45					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C14018	03/14/07	03/15/07	EPA 8260B	
Benzene	ND	0.50	И	и	u	U	n	R	
tert-Butyl alcohol	ND	20	R	и	u	17	11		
Di-isopropyl ether	ND	0.50	п	Д	u	U	14	н	
1,2-Dibromoethane (EDB)	ND	0.50	п	п	u	U	11	P	
1,2-Dichloroethane	ND	0.50	II	п	u u	u	n	H	
Ethanol	ND	300	И	И	a	a	n	H	
Ethyl tert-butyl ether	ND	0.50	If	н	ø	0	ŋ	H	
Ethylbenzene	ND	0.50	н	н	+1	0	1)	lt.	
Methyl tert-butyl ether	0.56	0.50	It .	I+	*1	ti	0	IT .	
Toluene	ND	0.50	И	17	11	tt	U	Ħ	
Xylenes (total)	ND	0.50	I†	IT.	Ħ	tt .	()	I†	
Surrogate: Dibromofluoromethan	e	98 %	75-13	0	n	17	"	"	
Surrogate: 1,2-Dichloroethane-d4	1	106 %	60-14	5	rt	ır	n	"	
Surrogate: Toluene-d8		94 %	70-13	0	n	11	u	#	
Surrogate: 4-Bromofluorobenzene	!	89 %	60-12	0	"	"	"	"	
G ,		.							





Project: ARCO #4494, Oakland, CA

Project Number: G0C2G-0014 Project Manager: Jay Johnson MQC0346 Reported: 03/23/07 12:25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 7C14018 - EPA 5030B P/I	LUFT GCMS										
Blank (7C14018-BLK1)		Prepared & Analyzed: 03/14/07									
Gasoline Range Organics (C4-C12)	ND	50	ug/l								
Surrogate: 1,2-Dichloroethane-d4	2,56		л	2.50		102	60-145				
Laboratory Control Sample (7C140	18-BS2)			Prepared	& Analyz	ed: 03/14/	07				
Gasoline Range Organics (C4-C12)	509	50	ug/l	500		102	75-140			****	
Surrogate: 1,2-Dichloroethane-d4	2,58		"	2.50		103	60-145				
Laboratory Control Sample Dup (7C14018-BSD2)					Prepared & Analyzed: 03/14/07						
Gasoline Range Organics (C4-C12)	499	50	ug/l	500		100	75-140	2	20		
Surrogate: 1,2-Dichloroethane-d4	2.60		tt	2.50	***************************************	104	60-145	***************************************			





Project: ARCO #4494, Oakland, CA

Project Number: G0C2G-0014 Project Manager: Jay Johnson MQC0346 Reported: 03/23/07 12:25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch 7C14018 - EPA 5030B P/T	EPA 8260B											
Blank (7C14018-BLK1)	Prepared & Analyzed: 03/14/07											
tert-Amyl methyl ether	ND	0.50	ug/l									
Benzene	ND	0.50	If									
tert-Butyl alcohol	ND	20	и									
Di-isopropyl ether	ND	0.50	'n									
1,2-Dibromoethane (EDB)	ND	0.50	*1									
1,2-Dichloroethane	ND	0.50	*1									
Ethanol	ND	300	0									
Ethyl tert-butyl ether	ND	0.50	U									
Ethylbenzene	ND	0.50	н									
Methyl tert-butyl ether	ND	0.50	U									
Toluene	ND	0.50	U									
Xylenes (total)	ND	0.50	U									
Surrogate: Dibromofluoromethane	2.40		"	2.50		96	75-130			······································		
Surrogate: 1,2-Dichloroethane-d4	2.56		n	2.50		102	60-145					
Surrogate: Toluene-d8	2.41		11	2.50		96	70-130					
Surrogate: 4-Bromofluorobenzene	2.30		"	2.50		92	60-120					
Laboratory Control Sample (7C14018	l-BS1)			Prepared & Analyzed: 03/14/07								
tert-Amyl methyl ether	12.1	0.50	ս <u>ջ</u> /1	10.0		121	65-135					
Benzene	11.0	0.50	U	0.01		110	70-125					
tert-Butyl alcohol	206	20	U	200		103	60-135					
Di-isopropyl ether	11.8	0.50	U	10,0		118	70-130					
1,2-Dibromoethane (EDB)	11.8	0.50	U	10,0		118	75-140					
1,2-Dichloroethane	11.1	0.50	U	10.0		111	75-125					
Ethanol	210	300	н	200		105	15-150					
Ethyl tert-butyl ether	11.5	0.50	n	10.0		115	65-130					
Ethylbenzene	11.1	0.50	11	10.0		111	70-130					
Methyl tert-butyl ether	11.3	0.50	IŤ	10.0		113	50-140					
Toluene	10.3	0.50	It	10.0		103	70-120					
Xylenes (total)	32.2	0.50	н	30.0		107	80-125					
Surrogate: Dibromofluoromethane	2.62		n	2.50		105	75-130					
Surrogate: 1,2-Dichloroethane-d4	2.57		n	2.50		103	60-145					
Surrogate: Toluene-d8	2.50		n	2.50		100	70-130					
Surrogate: 4-Bromofluorobenzene	2.58		"	2,50		103	60-120					





Project: ARCO #4494, Oakland, CA

Project Number: G0C2G-0014 Project Manager: Jay Johnson

MQC0346 Reported: 03/23/07 12:25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14018 - EPA 5030B P/T / EI	PA 8260B									
Matrix Spike (7C14018-MS1)	Source: MQC0372-04			Prepared & Analyzed: 03/14/07						
ert-Amyl methyl ether	13.3	0.50	ug/l	10.0	ND	133	65-135			
Benzene	12.3	0.50	0	10.0	ND	123	70-125			
ert-Butyl alcohol	229	20	e	200	ND	114	60-135			
Di-isopropyl ether	13.4	0.50	ti	10,0	ND	134	70-130			LM
,2-Dibromoethane (EDB)	13.1	0.50	41	10.0	ND	131	75-140			
,2-Dichloroethane	12.6	0.50	.00	10.0	ND	126	75-125			LN
Ethanol	220	300	9	200	ND	110	15-150			
Ethyl tert-butyl ether	13.0	0.50	11	10.0	ND	130	65-130			
Ethylbenzene	12.3	0.50	0	10.0	ND	123	70-130			
Methyl tert-butyl ether	12.7	0.50	ti .	10.0	ND	127	50-140			
Toluene	11.6	0.50	11	10.0	ND	116	70-120			
Xylenes (total)	35.5	0.50	11	30.0	ND	118	80-125			
Surrogate: Dibromofluoromethane	2.61		11	2,50		104	75-130			
Surrogate: 1,2-Dichloroethane-d4	2,61		n	2.50		104	60-145			
Surrogate: Toluene-d8	2,45		"	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.58		n	2,50		103	60-120			
Matrix Spike Dup (7C14018-MSD1)	Source: M	QC0372-04		Prepared	& Analyze	d; 03/14/	07			
ert-Amyl methyl ether	12.7	0.50	ug/l	10,0	ND	127	65-135	5	25	
3enzene	11.6	0.50	I†	10.0	ND	116	70-125	6	15	
ert-Butyl alcohol	215	20	11	200	ND	108	60-135	6	35	
Di-isopropyl ether	12.7	0.50	11	10.0	ND	127	70-130	5	35	
,2-Dibromoethane (EDB)	12,4	0.50	11	10.0	ND	124	75-140	5	15	
,2-Dichloroethane	11.9	0.50	н	10.0	ND	119	75-125	6	20	
Ethanol	231	300	и	200	ND	116	15-150	5	35	
Ethyl tert-butyl ether	12.3	0.50	u	10.0	ND	123	65-130	6	35	
Ethylbenzene	11.5	0.50	н	10.0	ND	115	70-130	7	15	
Methyl tert-butyl ether	12.1	0.50	H	10.0	ND	121	50-140	5	25	
l'oluene e	10.8	0.50	u	10.0	ND	108	70-120	7	15	
Xylenes (total)	33.0	0.50	lt	30.0	ND	110	80-125	7	15	
Surrogate: Dibromofluoromethane	2.63		H	2,50		105	75-130	***************************************		
Surrogate: 1,2-Dichloroethane-d4	2.57		H	2.50		103	60-145			
Surrogate: Toluene-d8	2.48		Ħ	2.50		99	70-130			
Surrogate: 4-Bromofluorobenzene	2.56		n	2.50		102	60-120			





Stratus Environmental Inc. [Arco] Project: ARCO #4494, Oakland, CA MQC0346
3330 Cameron Park Dr., Suite 550 Project Number: G0C2G-0014 Reported:
Cameron Park CA, 95682 Project Manager: Jay Johnson 03/23/07 12:25

Notes and Definitions

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
A BP affiliated company

Chain of Custody Record

Project Name: BP 4494

BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda>4494

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

	1 ago1_ 011
On-site Time: //:30	Temp: 60
Off-site Time: 13:30	Temp: 6 5
ky Conditions: pT Clouder	
Aeteorological Events:	
Vind Sneed: 5 MPK	Direction:

	77								_									-			
Lab Name: TestAmerica	Щ_	BP/AR Facility No.			94								Con	sultar	t/Con				Stratus Environmenta		
Address: 885 Jarvis Drive		BP/AR Facility Ad	iress		566	Hegenb	erger	Ros	d, O	akla	nd		Add	ress:	3	3330	Cam	ero	n Park Drive, Suite	550	
Morgan Hill, CA 95937	L	Site Lat/Long:													(Cam	eron F	Park	k, CA 95682		
Lab PM: Lisa Race	L	California Global II)#:	T 0	6001	00104							Consultant/Contractor Project No.: E4494-04								
Tele/Fax: 408-782-8156 408-782-6308 (fax)		Enfos Project No.:	G0	C2G	-001	4							Con	sultar	t/Con	itract	or PM	[:	Jay Johnso)II	
BP/AR PM Contact: Paul Supple								Tele	/Fax:	((530	676-	-600	00 / (530) 676-600	5						
Address: 2010 Crow Canyon Place, Suite 150		Phase/WBS:		04-N	/lonit	oring							Repo	ort Ty	pe &	QC	Level:		Level 1 wi	th EDF	
San Ramon, CA		Sub Phase/Task:		03-/	naly	tical							E-m	ail EI	DD To	o; ;	shaye	es@	estratusinc.net		
Tele/Fax: 925-275-3506		Cost Element:		01-0	ontra	ctor lab	or						Invo	ice to	: Atla	antic	Richfi	ield	Co.		
Lab Bottle Order No: Matrix	<u> </u>				Pı	reservat	ive					Requ	estec	l Anı	lysis						
Time Date Date Soil/Solid Water/Liquid Air	! (Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	Methanol		GRO/BTEX/Oxy*	1,2 DCA	Ethanol	EDB	DRO					*	Sample Point I Comm Oxy = MTBD, TAN TB	ents VE, ETB	
1 MW-1 /375 36-47 X		01	3			х			X	X	x	х			П			\top			
2 MW-6 12:57 3.6.7 X		02	6			х				1	1	х				\top		┰			
3 TB 4494 7250 3-6-47 X	+	٥٤	2			x				x	 	x				十		- -	HOLD		
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Sampler's Name: Jerry 15 or 24/49		Reling	ulshe	d By	Affi	liation			L.D	ate	T	me			A	ccepi	ea By	An	Tithation	Date	Time
Sampler's Company: Deulo's EM		Marie	2			\rightarrow			<u> </u>	2/2-	<u> </u>		4	- //		11.	-A		7	3/8/07	
Shipment Date:			5		ul	<u> </u>	-	-	12	४/०५	14	00	X	dy	/	10	llin	25	<u></u>	314/07	745
Shipment Method: Shipment Tracking No:					v				<u> </u>		╟							—			ļ
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Special fusit denois: Prease of results to: million	इए(ध्र	broadbenting.com																	····		
Custody Seals In Place: Yes / No Temp Blank: Ye	-s /d	l Cooler	Cemi	o on	Rece	ipt: C	, 4 · °;	F/(C)	1	Ţ	rip F	Blank	. (Ve)/N	0	ī	MS/N	AST	O Sample Submitte	d: Yes/	No
	<u>~</u>															1		===			* 14

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco REC. BY (PRINT) A.M. WORKORDER: MQC0346	REC. BY (PRINT) A.M. WORKORDER: MQC0346			DATE REC'D AT LAB: 3-9-07 TIME REC'D AT LAB: 745 DATE LOGGED IN: 3/13/07			For Regulatory Purposes? DRINKING WATER YES NO WASTE WATER YES NO				
CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE#	CLIENT ID	CONTAINER DESCRIPTION		рН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)			
1. Custody Seal(s) Present / Absent											
/ Intact / Broken*											
2. Chain-of-Custody Present / Absent											
3. Traffic Reports or								-			
Packing List: Present / Absent		•									
4. Airbill: (Airbill / Sticker											
Present / Absent		† '									
5. Airbill #. See Attached			~ .								
6. Sample Labels: Present / Absent											
7. Sample IDs: (Listed / Not Listed					_a(
on Chain-of-Custody					0						
8. Sample Condition: (ntact / Broken* /				-							
Leaking*			- 4	2							
9. Does information on chain-of-custody,		•		\mathbb{Z}_{-}							
traffic reports and sample labels		·						1			
agree? Yes / No*			/ K/								
10. Sample received within											
hold time? (es/ No*		<u> </u>									
11. Adequate sample volume		- A									
received? (ps / No*		· · · · /						W. (C.)			
12. Proper preservatives used? Yes/ No*											
13 Trip Blank) Temp Blank Received?								- Water			
(circle which, if yes) Yes / No*		/						4 (1)			
14. Read Temp: 4.4°C 4.4°C 4.4°C		·									
·								au Car			
Is corrected temp 4 +/-2°C? (es)/ No**	/										
(Acceptance range for samples requiring thermal pres.)	_/-										
**Exception (if any): METALS / DFF ON ICE	/										
or Problem COC								100			

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

SRL Revision 8 Peplaces Rev 7 (07/19/05)

Page of

California Overnight Shipping Label



Date Printed 3/8/2007

Shipped From: TEST AMERICA - SACRAMENTO 819 STRIKER AVENUE 8 SACRAMENTO, CA 95834



Tracking#D10010123485123

Sent By: TIM ALBRIGHT Phone#: (916)921-9600

wgt(lbs): 14 Reference:

Decl. Value: \$0.00

Ship To Company:

TESTAMERICA - MORGAN HILL 885 JARVIS DR MORGAN HILL, CA 95037 SAMPLE CONTROL (408)776-9600 Service: S

Sort Code: SJC

Special Services:

APPENDIX B

HISTORICAL GROUND-WATER DATA

Table 2 Liquid Surject Elevation Data

ARCO Sarvice Station 4494 558 Hegenberger Road at Edge Avenue Caldend, Calfornia

		Outraine Particia	<i></i>	•	
Well Number Elale Gauged	Well Elevation (feet, MSL)	Depth to Water (feet, 700)	Depth to Liquid Used, TOCH	SPH Thickness ((cci)	Liquid Surface Elevation (Fee
03/1950 03/1950 03/1950 03/21/50 03/21/50 11/21/50 11/21/50 11/21/50 03/21/51 03/21/51 03/21/51 03/21/51 05/2/51 06/2/51 06/2/51 06/2/51 06/2/51 06/2/52 05/1953 05/19	105.251	8.68 7.005 7.746 8.022 7.45 8.022 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8.00 7.00 7.24 7.45 7.25 7.27 7.48 7.27 7.48 7.27 7.28 7.29 7.29 7.29 7.29 7.29 7.29 7.29 7.29	0.00 0.00	MSU
MVV-2 OCTOPED: OST/1930 OST/1930 11/20/90 11/20/90 12/19/90 OD/20/91 OST/781 OST/781 OST/781 OST/781	105.78	8,94 8.11	8.96 8.01 8.14 8.94	0.92 0.17 0.17 0.17 Sheen Sheen Sheen Sheen Sheen Sheen Sheen	95.68 18M 18M 88.44 86.59 85.89 96.83 96.77 96.84 86.84 87.87

Table 2 (confinued) Liquid Stateos Elevation Data

ARCO Service Station 4494 666 Haganberger Read at Edea Avenue Calland, California

		a minimal statistics	B Q	•		
Well Number Data Gauged	Well Elevation		Dopih ta Liquid	6PH Thickness	Liquid Surface Elevation (feet	 2
	(feet MSL) .	(feet, 700)	(feet, TOC)	(Peel)	MSL	٠
4-44/744		8,20	92	Cheen	96.58	_
(cont.) 07/24/81 08/24/81		9.25	825	0.00	98.53	
08/30/91		9.20	9.20	0.00	96,58	
10117/91		8,31	9.31 9.32	Sheen	98,47	
11/21/91		529 920	8,29	Sheen	98.50	
12/18/91		8.28	92	_0	98.53	İ
01/10/92		5.98**	9.28 9.98	Sharr	08,53	ł
02/20/92		9.13**	8.13	Skinmer Skinmer	65.82	1
03/2092		9,31**	9.31	Bigingler Bigingler	16,85 50,47	[
04/20/62 06/19/82		P.09	9,69	Signature.	50,02	1
050852		9,62	9.62	Skimmer	85,88	1
07/19/2		984	9.84	Signatur .	Pri sa	i
08/08/92	108.57	10.19	10.15		96.59 98.82 86.57	1
10/29/52	IANNA	10.05 10.00	10.05 10.00	Sidnatar	00.92	ı
11/28/92		9.58	10,00 9.87	Skiriman	80.57	J
12/08/92	distant		9:01 ol Desimped=	0.01	68,89	ļ
	. 7	14	AN IN COSC IN SEC.			ŀ
ATVI-S CRITEGO	105.51	8.67	8.87	0.00	90,54	ı
08/21/90	3.25	8.85	8.85	0.00	96.E3	ı
08/07/90 11/20/90		B.98	8.88	0.00	99.53	ı
11/2500		D.10	5.1 0	9,00.	98.41	ŀ
12/1950	Ţ.C.	1005	9.09	0.00	59.48	ļ
01/2951	10 E	8.87 · 8.98	8.67	0.00	23.84	ı
02/27/91	1.84		8.96 8.71	0.00	36.65	ı
03/07/61	:	8,71 8,48	8.71.	0.00	98.80	ŀ
03/29894	•	7.65	8.49. 7.65	oro,	27.02	ŀ
05/02/01		8.82	6.02	0.00	27,88	•
05/27/91		8.82 8.94	8.64	0.00 0.00	28,82	
07/2491		8.56 8.52	8.95	400	. 96.57	ı
08/22/01		8.02	8,92	0.00	55.53 96.59	
098091 10/17/91		904	9.04	000	96.47	l
11/21/01		8.12 8.92	9.12	0.00	98.86	
12/18/91		892	5.92	0.00	96,59	
01/13/12		8.57	8.97	0.00	9654	
02/20/32		8.89 7.78	8.59 7.78	0,00	96,82	ĺ
03/20/92		8:18 	7.78 8.18	0.00	97.78	
134/20/92		8.57	8.57	0.00	97.56	
05/19/92		8.79	8.76	0,00 0.00	98.84	
00/08/92		8.74	874	0.00	96.75	
07/15/52		9.12	9.12	0.00	98.77 98.39	
0.00002	108,29	8,95	8.65	C.00	97.34	
10/29/92		8.78	8.78	0.00	97.54	
11/23/92 08/16/93		9.91	£91	0.00	98.38	
11/17/93		8,62	8.62	0.00	97.57	
0221394		8.72	8. 72	0.00	97.57	
03H1/84		7.91 8.09	7.81	0.00	\$8.53	
			8.00			



Table 2 (continued) Liquid Seriace Elevation Data

ARGO Service Station 4494 568 Hegenborger Road at Edea Avenue Ocklend, Cultivanie

		Mak Charles		Doptia to	SPH	Liquid Surfa	Max.
Well Alumba	T Data Council	Well Elevation (feet, MSL)	Depth to Water		Thickness	Elevation (fe	m.
MVV	08/12/04	(text mar)	· (feet, TOO)	(fest, TOC)	(fact)	MSU	~-,
(cont.)	11/17/94		8.78 8,45	6.78	0.00	97.51	-
•	02/22/96		8.65	8.45	0.00	97.84	
	05/24/05		8.67	9.85 8.87	000	97,34	
	03/23/95		5.17	9.17	0.00	97,82	
	11/17/08	•	8.89	9.29	0,00 00,0	97.12	
MN-4	este and			4.00	2,00	98,90	
inta Radi	08/16/90 08/21/50	108.61	8.18	8.16	0.00	98.46	i i
	09/07/90		8.22	8.22	0.00	682B	
	11620300		9.99	282	0.00	68,22	i
	f1/29/90		8.67 8.63	8.57	0.00	88.04	
	12/19/90		8.13	8.83 5.18	0.00	88.00	J
	01/29/81		2.55	88,8	0.50	93.49	- 1
	02/27/191		8.44	8.44	0.00 0.00	97.55	
	03/07/91		8.18	8,18	0.00	85,17	ı
	03/25/91 - 05/02/91		7.58	7.58	000	98.43 99.05	•
	US/227591		8.26	825	000	63.23	ı
	07/24/91		7.75	7 775	8.05 -	58,68	ŀ
	03/22/91		612	412	0.00	\$5.40	- [
	00/20/27		7.58 8.26	÷7,95	0.00	68.63	ı
	10/17/91	1.00	8.42	- B26	0.00	98.35	: 1
	11/21/01	. بره س		2.642 11855	0.00	. 88.19	- 1
	12/18/91		A 8.77	5.77	0.00	97.96	1
	01/18/92	4	8.42	1.42:	0.00 0.00	27,24	ı,
	02/20/92	•	7.60	7,80	6.00	98.19	. ľ
	03/20/22	•	7.61	781	000	99.01 89.00	1
	042092 05H9.02		8.16	8.15	0.00	98.48 -	
	0600/92	•	814	8.14	000	58.47	Į
	077(5/92		8.40	8/0	0.00	98.21	Ì
	08/06/02	107.40	8.72	8.72	0.00	97,59	ı
	10/20/92	141979	8.52 869	8.52	0.00	98.88	1
	11/29/02		8.75	9.53 8.75	0.00	98,77	1
	09/16/93		203	8.60 8.60	0.00	98.65	٠Į
	11/17/03		911	9.11	0.00 0.00	E8.74	1
	02/21/04		8.16	8.15	0.00	98.29	ł
•	08/1/04 08/12/94		8.29	8.29	0.00	99,24 98,11	ı
	11/17/94		8,75	8.75	0.00	98,63	ı
	02/22/93		B.40	8,40	0.00	P9.00	1
	05/24/95		8.72	8.72	0.00	\$5,68	ļ
	08/23/95		8.63 8.50	8.63	0.00	28.77	i
	11/17/95		9.15	8.50 9.15	0,00	100.90	1
				P.10	0,00	88.2 9	1
MW-5	08/08/92	105.19	7.19	7.10	7.00		1
	10/20/92		6.00	6.98	0.00 0.00	99,00	Į
	11/23/02		9,00	6.90	0.00	88,20	1
	09/18/93		7.08	7.08	000	98.28	
	118783		8.91	8.91	0.00	98.13 98.28	
	02/25/94		5.52	5.52	0.00	35.25 25.67	ı
	05H1/84		6.18	6.18	0,00	10,02	1
	08/12/04 11/17/04		8.81	6,81	0.00	98,38	
			5.88	5.38			1
	02/22/95		6.25	8.25	0.00	20.81	1



33004128W096TBLB3CBITable2

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ARCO Service Station 4494 568 Hegenberger Road at Edge Avenue California

Wall Riverses	Dale Gabyed	Well Elevation	Depth to Water	Depth to Liquid	SPH Thickness	Liquid Station Elevation (feet
HEE MEJER	05/24/85	(feet, MSL)	(Test, TCC)	(feet, TOC)	(feet)	MEL
MW-6	08/23/95		6.30 8.90	8330	0.00	88.63
(000%)	11/17/95		7.02	8,90	0.00	98.29
\$wy			1312	7.02	0.00	98.17
	08/06/92	105,07	7.01	7,01	0.00	98.06
MBW-6	10/20/02		6.70	8.70	0.00	82.37
	11/2/02	•	6.75	6.75	0.00	98.32
	08/18/83		0.71	6.71	0.00	88.53
	11/17/03		2.57	6,87	0.00	98,40
	172221/64 15311/64		531	531	0.00	99.78
	08/12/94		59B	5,90	0.00	69,09
	11/17/94		6.60	860	0.00	68,47
	02/22/96		6.09 6.88	<u>8.08</u>	0.00	89,68
	05/24/55		ties	5.85	0.05	99.22
			5.92 6.50	5.92	0.00	50,15
	08/28/85 11/17/55		678	6.50 6.75	0.00	98.57
	***************************************		ms.	E/S	0,00	98.32
2:1	08/96/92	105,52	8,28	228	0.00	97.24
	10/25/92	•	8.02	8.26 8.62	0.00	99.20 99.20
	11/23/92		8:2)	8.21	0.00	97.31
	09/19/93	•	8.11	8.11	0.00	07.4
	11/17708		8.13	8.11	0.00	97.41
	02/21/34		7.84	7.34	2.00	68.18
· · · · · · · · · · · · · · · · · · ·	05/11/84		7.45	7.43	00.0	103 (17
7.4 (08/12/04		8.13	B 12	-0.00	93.07 97.29
	11/37/04	•	7,90	7,90	0.00	97.82
	02/22/85 05/24/28		8.49	B/40	0.00	67,12
	08/25/80		8.29	8.23	0,00	97.28
	11/17/25		5,90	8.60	0.00	28.02
-	AHŞIIRD		8.73	3.73	0,60	95.70
	08/18/53	NA.		Weter	Lart	
RW	11/17/23			Wali	· ·	
	02/21/34. 05/11/64		7.59	7.99	0.00	NM
	OB/12/94		7.95	7.98	0.00	NEW
	11/17/64		7.53	7.58	0.00 -	NA NA
	02/22/58		7.65	7.68	0.00	AM I
	OS/24/95		8.00 8.10	8.00	0.00	NM .
	06/23/25		8. 6 ?	8.10	0.00	NA I
	11/17/85		B.16	8,67	0.00	V/M
			0.10	9,15	0.00	NA

MSL = Mean see level
TOG = Top of casing
= Separate phase hydrocarbons present in well.
= Stimmer (notalled (12/24/91).
NL) = Not researed



3300412BW09STBLE.XLSTTBM92

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Table 3 Groundwater Analytical Date Total Petroleum Hydrocarbons (TPPH as Gasofine, BTEX Compounds, TEPH as Dissel, and Total Oil and Greece)

ARCO Service Station 4494 568 Hegenberger Read at Edea Aversas Oxidand, California

		TPPHas						
Wab	Diales	Gasolina	Berzene	****	Ellyl-		TEPHES	Total Of
Number	Sampled			Tokume	bonzena	AV-ones	Dienai	बार्व दिख्य
IAVV-1	08/18/90	(DEN)	(b)b) =0.80	(opb)	(opb)	(ppb)	(ppb)	(prem)
	08/18/90	<20	<0.50	<0.50	-0.60	<0.50	-0,50	<000
	09/07/90	N/A	NA	<0,50 N/A	40,50	<0.50	N/A	NA
	11/29/50	×50	40.60 40.60	16A 0.7	N/A	NA	TUA	<5000
	03/07/91	₹ 0	₹030	<0.7	0.50	<0.50	. N/A	N/A
	08/27/31	≪30	₹030	40.50	<0.30 <0.30	· 40,30	N/A	WA
	09/30/91	≪0	<0.30	<0.50	49.30	<0.30 <0.30	N/A	N/A
	12/18/91	<50	<0.30	<0.30	<0.20	40.80	nia Nia	NA
	03/20/32	· <30	<0.60	<0.50	40.50	40.50	N/A	N/A
	08/05/92	≪0	<0.50	<0.50	-0.50	40.50	NA	N/A
	08/09/92	≪0	<0.50	<0.50	<0.50	40.50	HA	N/A N/A
	10/28/92	<80	-0.6	<0.5	<0.5	<0.5	PZA.	WA.
	OSKS/133	<20	<0.5	40%	405	<0.5	MA	N/A
	11/17/93	≪70	40.5	=0,5	<0.5	<05	NA	N/A
	02/22/94 06/11/94	≪0.	<0.5	<0.75	<0.5	40,5	N/A	· N/A
	08/12/94	<00 <00	<2.5	⊴0.5	<0.5	<05	N/A	- N/A
	11/17/94	30	40.5	<0.5	-9.5	40.5	: N/A	· · · · · N/A
	02/22/05	مخه	4),5	40.5	-0.5	40.5	. NA	∴ N/A
	05/24/95	<50	<0.50		Sampled Ann			
	- 08/23/95	~	~0.50	. 40.50	<0,50	0.50	N/A	- WA
	11/17/05			100	Sampled Ann	R. IV		
				- 1/6	Sampled Ann	3N		 ;
W/2	06/1950	-	•					
		-		A RO (vol ne la	anomia dia	24	<u>.</u>	
	08/(6/90			0.52 foot of 9	oparole-Phose	Hydrocarbon		 ' · ,
	08/16/90 09/07/90	-		ス17キルスセぴ ムタ	talida-Pinise I	Micron mark		··' ·
	08/(6/90 · 09/07/90 · 11/29/90			A17 took of Sig Secondly	Palisia-Pinsay -Pinsaa Husen	MATOCREDORS		
	08/16/90 09/07/90 11/29/90 03/07/91			A17 took of Sig ——Sepanjih Sepanjih	petida-Pinsas I -Phone Hydroc -Phone Hydroc	iydrocarbons Orbons arbons		
	09/16/90 09/17/90 11/29/90 05/07/91 09/27/91			A17 took of Sig Separate Separate Separate	patisia-Phasa Phasa Hydeoc Phasa Hydroc -Phasa Hydroc -Phasa Hydroc	ividocarbons critons artons artons		
	08/16/90 09/07/90 11/25/90 05/07/91 06/27/91 09/90/91			A17 took of Signary Separate Separate Separate Separate Separate	Patala-Platan Phase Hydroc Phase Hydroc Phase Hydroc Phase Hydroc Phase Hydroc	ivitocarbons critons arbons arbons		
	08/6896 09/07/80 11/28/80 08/07/91 08/27/91 09/90/91 12/18/91			A17 took of Signature Separature Separature Separature Separature Separature Separature	paista-Platau Phasa Hydroc Phasa Hydroc Phasa Hydroc Phasa Hydroc Phasa Hydroc	ivitocarbons critons arbons arbons		
	02/18/00 • 02/17/00 • 02/17/00 • 02/17/01 •	49,000	2,000	A17 took of Signature Separature Separature Separature Separature Separature Separature Separature	pride-Pinse Phase Hydroc Phase Hydroc Phase Hydroc Phase Hydroc Phase Hydroc 2,500	ividocarbons curbons autons subons curbons autons 7,000		
	08/18/90 • 09/07/90 • 11/28/90 • 09/07/91 • 09/07/91 • 09/07/91 • 12/18/91 • 09/08/92 • 06/08/92	43,000	2,000	A17 toot of Signature Separature	parata-Pinnas I Planta Hydroc Phana Hydroc Phana Hydroc Phana Hydroc Phana Hydroc Phana Hydroc 2,500 2,40	ividocarbens curbons autons autons curbons autons	N/A	
	09/10/90 09/07/90 11/29/90 09/07/91 09/07/91 09/09/91 12/19/91 09/20/92 06/08/92 06/06/92	43,000 78,000	2,000 2,900 2,500	Separate	parata-Pinsas I Planta Hydroc Planta Hydroc Pinsas Hydroc Pinsas Hydroc Pinsas Hydroc 2,500 240 2,900	hydrocarbons curbons subons subons subons subons futons 7,000 5,100 18,000	RIA N/A	NA NA
	08/16290 • 09/17/200 • 11/20/200 • 11/20/200 • 09/200 • 09/200	43,000	2,000	Separate Note the separate Separate Separate Separate Note the sep	puritis-Pinase i Plansa Hydroc Plansa Hydroc Pinase Hydroc Pinase Hydroc Pinase Hydroc 2,500 240 2,000 NB	ividocarbons curbons autorus autorus autorus autorus autorus 7,000 5,100	N/A	
	09/10/90 09/07/90 11/29/90 09/07/91 09/07/91 09/09/91 12/19/91 09/20/92 06/08/92 06/06/92	43,000 78,000	2,000 2,900 2,500	Separate Note the separate Separate Separate Separate Note the sep	parata-Pinsas I Planta Hydroc Planta Hydroc Pinsas Hydroc Pinsas Hydroc Pinsas Hydroc 2,500 240 2,900	hydrocarbons curbons subons subons subons subons futons 7,000 5,100 18,000	RIA NIA HIA	N/A N/A N/A
ewr	09/1030 09/1030 11/2030 05/0781 05/0781 05/0781 12/1031 12/1031 12/1032 12/1032 10/1032 10/1030 05/1030 12/1030 12/1030	43,000 78,000 N3	2,000 2,900 2,500	Note of Se Separate S	puisia-Pines -Phase Hydroc -Phase Hydroc -Phase Hydroc -Phase Hydroc -Phase Hydroc -Phase Hydroc 2,300 -NB	hidrocarbons critons subcris subcris subcris subcris 5,100 16,000 NiB	NIA NIA NIA NIS	N/A N/A N/A N/A N/S
fW3	09/1030 09/1030 11/2030 05/1031 09/1031 09/1031 09/1031 12/1031 12/1032 09/05/2 09/05/2 10/2032 10/2032 09/1030 09/1030	43,000 78,000 N3	2,000 2,900 2,500 Na	217 foot of Se Separate Separa	puisit-Fines -Phone Hydroc -Phone Hydroc -Phone Hydroc -Phone Hydroc -Phone Hydroc -Phone Hydroc -2,500 240 2,900 NB iai Dosimyod -	hidrocarbons chions authors subons su	NIA NIA NIA NIS	N/A N/A N/A N/A N/B
ewr	09/1030 09/1030 09/1030 09/1031 09/1031 09/1031 09/1031 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032	43,000 78,000 N3 430 NVA 450	2,000 2,900 2,500 1,500 NB	NA Poot of Se Separat	puisis-Pines -Phase Hydroc -	hidrocarbons cultons subons subons subons subons subons subons for the first subons for the f	NIA NIA NIA NIS AUA NIA	AVA AVA AVA EN EN EN EN EN
e.wa	09/18/80 09/17/80 11/28/80 09/27/81 09/27/81 09/27/81 09/20/82 09/20/82 09/20/82 10/29/82 09/19/80 19/29/80 11/29/80	43,000 78,000 N3 430 NVA 450 450	2,000 2,900 2,900 2,900 NB	217 foot of Se Separate Separa	puisis-Pinese -Phase Hydrox -2,500 240 2,500 NB (all Desiroyed— <0.50 N/A <0.50	hidrocarbons cultons c	NZA NZA NZA NZA NZA NZA	N/A 8\/A N/A N/A SO00 N/A
e.vva	09/1030 09/1030 11/2030 11/2030 09/0731 09/0731 09/0731 12/1031 12/1032 10/2032 10/2032 09/0732 09/0732 09/0732 09/0732 09/0732 09/0732 09/0732 09/0732	43,000 78,000 113 433 430 450 450	2,000 2,900 2,500 NB 40,50	NAME OF STATE OF STAT	pulsis-Pines -Phase Hydrox -2,300 -2,40 -2,500 -1,50 -1,50 -1,50 -1,50 -1,50 -1,50 -1,50	high carbons an horse subons s	NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A SOOO N/A
e.wh	09/1838	\$3,000 78,000 NIS VA \$50 \$50 \$50	2,000 2,900 2,900 2,500 M8 40,50 40 40,50 40,50 40,50 40,50 40,50 40 40,50 40 40,50 40 40,50 40 40,50 40 40,50 40 40 40,50 40	N/A -0.50 N/A -0.50 N/A -0.50 -0.50	puisis-Pinne -Phone Hydroc -Phone Hydroc -Phone Hydroc -Phone Hydroc -Phone Hydroc -Phone Hydroc -2,500 -2,600 -2,900 -2,900 -2,900 -3,000 -4,000 -4,000 -4,000 -5,000 -6,000 -	high carbons of the constructions of the constructions of the constructions of the construction of the con	RUA NUA NUA NUA NUA NUA	N/A N/A N/A N/S N/A SI,000 N/A N/A N/A
RW3	09/1030 09/1030 11/2031 09/2031 09/2031 09/2031 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032 09/2032	43,000 78,000 NR VA VSD VSD VSD VSD VSD VSD VSD VSD VSD VSD	2,000 2,900 2,900 2,500 NB 40,50 40,50 40,50 40,50 40,50 40,50	117 forto Sa Separata	pulsis-Pines -Phase Hydrox -2,300 -2,40 -2,500 -1,50 -1,50 -1,50 -1,50 -1,50 -1,50 -1,50	hydrocarbons curions subons subons subons subons subons subons for the first subons for the f	NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A N/A N/A N/A
HW3	09/1030 09/1030 09/1031 09/1031 09/1031 09/1031 09/1031 09/1031 127/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 09/1032 11/2030 09/1032 09/1032 11/2030 09/1032 11/2030 09/1032 11/2030 09/1032 11/2030 11/2030 09/1032 11/2030 11/20	43,000 78,000 MB NA 90 90 90 90 90	2,000 2,900 2,500 N8 0,50 40 40,50 40 40,50 40 40,50 40 40,50 40 40 40,50 40 40 40,5	117 forto Sa Separatu	puisis-Pines -Phase Hydroc -	hydrocarbons ontons ont	NZA NZA NZA NZA NZA NZA NZA NZA NZA NZA	N/A N/A N/A N/A N/A N/A N/A N/A N/A
fW.≎	02/02/03 02/07/03 02/07/03 02/07/03 02/07/03 02/07/03 12/08/02 02/08/02 02/08/02 02/08/02 02/08/02 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 02/08/03 03/08/03 03/08/08/08/08/08/08/08/08/08/08/08/08/08/	43,000 76,000 NS	2,000 2,900 2,500 NB 9,50 9,50 90 90 9,50	117 forto Sa Separata	puisis-Pinese -Phase Hydrox	ivancemons autors autor	NIA NIA NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A SOOO N/A N/A N/A N/A N/A
ewn	09/1030 09/1030 11/2030 05/0731 05/0731 05/0731 05/0731 12/1031 12/1032 05/05/2 05/05/2 05/05/2 05/07/3 0 05/07/3 0 05/07/3 0 05/07/3 0 05/07/3 0 05/07/3 0 0 05/07/3	42.000 70.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.00	2,000 2,900 2,500 NB 40,50 40,50 40,50 40,50 40,50 40,50 40,50	117 forto Signatura (1997) Separatura (1997) Sep	pulsis-Pines -Phase Hydrox -	Value	NIA NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
√wa	09/1830 09/1730 09/1731 09/173	42.000 76.000 NE	2,000 2,900 2,900 2,500 NB VISO VISO VISO VISO VISO VISO VISO VISO	117 for of Signature (1)	pulsa-Pines -Phase Hydrox -P	hydrocarbons autons 4,000 \$100 \$100 \$100 \$100 \$100 \$100 \$100	NIA NIA NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
rws	09/18/80 09/18/80 11/28/80 09/27/81 09/27/81 09/27/81 09/28/82 09/28/82 09/28/82 12/28/82 12/28/82 12/28/82 09/27/81 09/27/81 09/27/81 09/27/81 09/27/81 09/27/81 09/27/81 09/27/81 09/27/81	43,000 76,000 18	2,000 2,000 2,500 86 0,50 0,50 0,50 0,50 0,50 0,50 0,50 0,5	117 for of Grands Separate Sep	prisis Fines Phase Hydroc Pha	Autorations	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
rws	09/1830 09/1730 09/1731 09/173	42.000 76.000 NE	2,000 2,900 2,900 2,500 NB VISO VISO VISO VISO VISO VISO VISO VISO	117 for of Signature (1)	prisis Fines -Phase HydrocPhase Hydroc	hydrocarbons autons 4,000 \$100 \$100 \$100 \$100 \$100 \$100 \$100	NIA NIA NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A



STOOK 128 HOSTBLE XLEITHING

Recreated from hard copies of tables developed by Pacific Environmental Group, inc.

Table 3 (confirmed) Gripondwater Analytical Date Total Februlum Hydrocarbons (TFPH as Gasoline, ETEX Compounds, TEFH us Diesel, and Total Oil and Gresse)

ARCO Service Stulion 4494 568 Hegenburger Road at Edea Avenue Caldend, California

	TPPH BD			Effect		TEOD	Total 0
	Gazolino	Bonzona	Toluane		Wisnes		
	(pp(b)	(dept)	(000)				and Gree
	450	<0.5	<0.6				(mag)
05H1#64		<0.5				11/2	N/A
		<0.5	<0.5				· N/A
11/17/94	<30 ∵	<0.5	<0,5	-0.5	<0.5		
	-		****	of Suppled An	N In Page	3746	. NA
	<603	<0.60	<0.60	<0.50	दाध्य	NZ	NA
			¥//	d Campled An	MEN'S	·····	14/13
			VYC	a Sampled And	TIDEY-		
06/81/30	<20	<0.60	चारा	an tri	AR PA	2500	
09/07/90	HIA				*U.50	N/A	N/A
11/29/90	≪50	<0.50	<0.50	40.50		TYUA.	<5,000
	<30	<0.30	<0.50	4030		NAME.	NA
	<50	0.75	1.1	40.50		SIM.	N/A
	<50	<0.50	40.80	<0.20	on.sn	EW/E	N/A
	-50	0,63	12	<0.50	0.50	AUS.	nia. Nia.
	<50	-0,5)	4050	-0.50	47.50	EJZA:	N/A
	<50	40.50		-0.90		N/S	NZA
	(50	<0.50	< 0.50		40.50		H/A .
	-000	. ⊲025	. <0.5		· CLS		· WA
	₩.	ক্ত	<0.5		-0.5···		NA.
	90	. e us		40.5	40.5 ::-		· N/A
	-60 -60	0.5			<0.5	N/A	N/A
		405	<0.5			· N/A	N/A
		-0.D			-0.5 ,	N/A.	NA
		440			435 ⊘.√	NA	NA
05/24/95	<50	c 0.50	-cran	SALUDING VIIII			-
	*****					N/A	NA
11/17/05	•			Sempled Arms	<u> </u>		
06/06/02	-d€ 1	-0 EA					
10/2002	~©0 ∡€71	*U20		কু <u>হ</u> ্য		N/A	. N/A
08/16/03		*0.5				N/A	NYA
11/17/03		CO 6			40.5	N/A	N/A
02/22/94		-OB	-U,0		<9.5	NA	NA
		<0.5	41175	4U.5		N/A	nva
	. <30	40.8				N/A	N/A
	≪50' .	~0.5					NA
	P			Commission is now to	- 	NUA	N/A
	<50	=0.50	<0.80	<0.50	4050	17/1	
08/23/95	-			Serroad Armie		14/4,	N/A
1107/95	-			ampad Amus	Ŋ		
08/08/92	æsn.	-150			•		•
			ব্যস্থা			N/A	N/A
			ette.			N/A	NA .
11H7/64			-U.S	₫.5		NA	NA
	~~~		CV5		<b>4)</b> 5	N/A	NA
		-V-2	<0.5			N/A	N/A
08/12/94	<b>€</b>	4).5	-20,5 <0,5	<0.6	<b>⊲</b> ,5	N/A	NA
		341.0	47154	<0.6	يتأران		
11/17/04	<b>e50</b>	<0.5	<0.5	-0.5	<0.5 <0.6	N/A	N/A
	05/07/90 11/20/90 11/20/90 11/20/90 11/20/90 05/20/91 05/20/91 12/20/92 06/20/92 10/20/92 10/20/92 10/20/92 10/20/92 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/20/93 10/	Design	Daily   Casoline   Bozzona	Tippi is	Sampled (pg8)	Sempled	Cample   C



3300412BVQDSTBLSXLSITMA3

Recreated from hard copies of lables developed by Pacific Environmental Group, Inc.

# Table 3 (continued) Groundwater Applytical Data Total Potoleum Hydrocarbons (TPPH as Gasoline, BTEX Compounds, TEPH as Dissel, and Total Olleral Greace)

#### ARCO Service Station, 4494 506 Hoganberger Read at Edes Avenue Cektend, Celifornia

382.00		TPPH as			Ethyl-		TEPHES	Total Oil
Well	Dale	Gascine	3912210	Toluggs	benzono	Xylonas	Diesel	and Greas
Number	Sampied	(úpb)	(ppb)	(ppb)	(ppb)	(tob)	(ppb)	
MW 8	05/24/95	<b>450</b>	₹050	<0.50	<0.50	48	WA.	(ppm) N/A
(cont.)	08/28/95				d Sampled An	rtsiv	1075	IVA
	11/17/95				Sampled An	1100		
MW-7	68/06/93	<50	<0.90	<0.50	40.50	•		
	10/29/92	450	<0.5	<0.5	<0.50 <0.5	<0.50	N/A	N/A
	06/16/93	<\$0	-0.5	<0.5	40.5	<b>-0.5</b>	NA	N/A
	11/17/93	<50	-0.5	40.5	40'9	40.5	N/A	FIZA.
	02/22/04	<\$0	~0.5	<del>405</del>	40,5	<0.5	NA	HZA
	05/11/84	-\$90	<0.5	<b>₹</b> 05	-0.5 -0.5	<0.6	NA	HZA
	08/12/94	<30	<0.6	₹0.5	<b>40.5</b>	<b>₹0.5</b>	NA	N/A
	11/17/94	-60	<b>₹0.5</b>	40.5	40,5	<0.5 <0.5	NA	N/A
	02/22/95				Sampled Ann	gra	NZA	N/A
	65/24/95	<50	<0,50	<0.56	(120) (120)	<0.50	140	
	06/23/85	_			I Sampled Ann		<b>N/A</b>	NΆ
:	11/17/05				Bampled Ann	To By		_
- 341	7 · 11 ·				nesthiad Wills	(100)		<del></del>
$RWA_{\mathcal{C}_A}^{(2)}$	06/16/83	HS:	NS	NS:	NS	NS	Ma	٠ ٠
- 700	11/17/83	HS.	NS	พร	N8	NB	NS	NS '
die	02/22/24	. 250	2,100	. 19 ·	40	. 66	NS	NS.
منه	05)11004	8300 4800	32.	28	87	· 310	NA	· N/A
	0972753	4800	42	. <b>Б</b>	100		N/A	NVA.
•	11/17/34	1,400	50	21	29		N/A	· N/A
	02/22/08	8,100	140 .	લંક	190 28 550	. 210	NA	ta NA
	05/2495	940	53	0.76	11	. 580	NA	. NA
	08/23/95	625	21	23	0.67	1.4	N/A	N/A
	11/17/95	1,100	7.6	- 21		. 0.67	NA	N/A
buPatap	er Million	-21	***	424	48	180	N/A	N/A
en = Parte c	er milion							
Aw Notes	rofesbio							
3 = NoLean	nitied							



Table 4 Groundwater Analytical Data Total Methl (+Butyl Ether

ARCO Service Station 4494 568 Hegenberger Road et Edea Avenus Oakland, California

Miell Number	Date Sampled	Methyl bEutyl Ether (ppb)
MW-1	08/23/95	ay.
MW-2	08/23/95	. NS
MW-3	09/23/25	Ne
MW-4	08/28/95	Ma
MIN-6	08/28/65	MS
MW-6	<b>6</b> 6/23/83	Ne
18V4-7	08/28/95	Ns
RW-1	08/23/83	13
pob = Paris per NS = Not sampi See cutified and detection limit.	ed by	



# APPENDIX C

GEOTRACKER UPLOAD CONFIRMATIONS

# **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:

1Q07 GEO_WELL 4494

Submittal Date/Time:

4/3/2007 2:54:42 PM

**Confirmation Number:** 7472366154

**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: 3757635414

Date/Time of Submittal: 4/3/2007 2:57:59 PM

Facility Global ID: T0600100104 Facility Name: ARCO #4494

**Submittal Title:** 1Q07 GW Monitoring **Submittal Type:** GW Monitoring Report

Click here to view the detections report for this upload.

ARCO #4494 Regional Board - Case #: 01-0112 SAN FRANCISCO BAY RWQCB (REGION 2) - (CM) 566 HEGENBERGER Local Agency (lead agency) - Case #: RO0000204 OAKLAND, CA 94621 ALAMEDA COUNTY LOP - (SP) CONF# TITLE QUARTER 3757635414 1Q07 GW Monitoring Q1 2007 SUBMITTED BY **SUBMIT DATE** STATUS PENDING REVIEW Broadbent & Associates, Inc. 4/3/2007 SAMPLE DETECTIONS REPORT # FIELD POINTS SAMPLED 2 # FIELD POINTS WITH DETECTIONS 2 # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL n SAMPLE MATRIX TYPES WATER METHOD QA/QC REPORT 8260FA.8260TPH METHODS USED TESTED FOR REQUIRED ANALYTES? LAB NOTE DATA QUALIFIERS ٧ QA/QC FOR 8021/8260 SERIES SAMPLES TECHNICAL HOLDING TIME VIOLATIONS METHOD HOLDING TIME VIOLATIONS LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT 0 0 LAB BLANK DETECTIONS DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? ~ LAB METHOD BLANK - 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% Υ SURROGATE SPIKES % RECOVERY BETWEEN 85-115% Υ

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%

Υ

# SOIL SAMPLES FOR 8021/8260 SERIES

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

# FIELD QC SAMPLES

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

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.