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11:28 am, Nov 02, 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

October 30, 2007

Re: Third Quarter, 2007 Semi-Annual Ground-Water Monitoring Report Former Atlantic Richfield Company Station #5387

20200 Hesperian Boulevard

Hayward, CA

ACEH Case No. RO0000174

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

Submitted by:

Paul Supple

Environmental Business Manager

Third Quarter, 2007 Semi-Annual Ground-Water Monitoring Report

Former Atlantic Richfield Company Station #5387 20200 Hesperian Boulevard Hayward, 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

October, 2007

Project No. 06-02-628

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



October 30, 2007

Project No. 06-02-628

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

Attn.: Mr. Paul Supple

Re:

Third Quarter, 2007 Semi-Annual Ground-Water Monitoring Report, Former Atlantic

Richfield Company (a BP affiliated company) Station #5387, 20200 Hesperian

Boulevard, Hayward, California. ACEH Case RO0000174.

Dear Mr. Supple:

Attached is the *Third Quarter*, 2007 Semi-Annual Ground-Water Monitoring Report for Atlantic Richfield Company Station #5387 (herein referred to as Station #5387) located at 20200 Hesperian Boulevard, Hayward, California (Property). This report presents a summary of Third Quarter, 2007 ground-water monitoring results.

Should you have questions please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Matthew G. Herrick, P.G.

Project Hydrogeologist

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

Thebal 71. Mall

Principal Hydrogeologist

Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA, 94502 (Submitted via ACEH ftp Site)

Mr. Chris Panaitescu, Thrifty Oil Co., 13116 Imperial Hwy, Santa Fe Springs, CA 90670

Mr. Jack Oman, Atlantic Richfield Company (Submitted via ENFOS)

GeoTracker

ARIZONA

CALIFORNIA

NEVADA

TEXAS

ROBERT H.

MILLER

No. 4893

STATION #5387 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: #5387 Address: 20200 Hesperian Boulevard, Hayward, California Station #5387 Environmental Business Manager: Mr. Paul Supple Consulting Co./Contact Persons: Broadbent & Associates, Inc. (BAI) / Rob Miller & Matt Herrick Alameda County Environmental Health (ACEH) / ACEH Primary Agency/Regulatory ID No.: Case RO0000174 Consultant Project No.: 06-02-628 Facility Permits/Permitting Agency.: NA

WORK PERFORMED THIS QUARTER (Third Quarter, 2007):

- 1. Submitted Second Quarter, 2007 Status Report. Work completed by BAI.
- 2. Submitted the August 2, 2007 Soil Gas Investigation Report and Closure Request. Work completed by BAI.
- 3. Conducted ground-water monitoring/sampling for Third Quarter, 2007. Work completed by Stratus Environmental, Inc. (Stratus).

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter, 2007):

- 1. Submit Third Quarter, 2007 Semi-Annual Ground-Water Monitoring Report (contained herein)
- 2. No environmental work activities are scheduled to be completed on the Property during the Fourth Quarter, 2007.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Monitoring
Frequency of ground-water sampling:	A-7, AR-1, AR-2 = Annual (3Q)
	MW-1 and $MW-2 = Semi-Annual (1Q and 3Q)$
Frequency of ground-water monitoring:	
	All wells = Semi-annual (1Q and 3Q)
Is free product (FP) present on-site:	No
Current remediation techniques:	NA
Depth to ground water (below TOC):	9.45 (MW-3) to 13.44 (A-7)
General ground-water flow direction:	West
Approximate hydraulic gradient:	0.005

DISCUSSION:

Gasoline range organics (GRO) were detected in MW-2 at 200 micrograms per liter (μ g/L). Methyl tert-butyl ether (MTBE) was detected in MW-1 at 0.53 μ g/L. No other analytes were detected in ground-water samples collected during Third Quarter, 2007.

Analytes detected during Third Quarter, 2007 were all within the historic minimum and maximum concentration ranges recorded for each well. Ground-water elevations measured during Third Quarter, 2007 were also within historic minimum and maximum ranges for each well.

Drawing 1 depicts the ground-water elevation contour and an analytical summary map for the Third Quarter, 2007. Table 1 includes a summary of ground-water monitoring data including relative water elevations and laboratory analyses. Table 2 provides a summary of fuel additives analytical data. Table 3 lists historical ground-water flow direction and gradient data.

A Soil Gas Investigation Report and Closure Request was submitted to the ACEH on August 2, 2007. A response from the ACEH regarding the closure request has not been received.

CLOSURE:

The findings presented in this report are based upon: observations of Stratus field personnel and/or their subcontractors (see Appendix A), the points investigated, and results of laboratory tests performed by TestAmerica. 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, Station #5387, Hayward, CA

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #5387, Hayward, CA

Table 2. Summary of Fuel Additives Analytical Data, Station #5387, Hayward, CA

Table 3. Historical Ground-Water Flow Direction and Gradient, Station #5387, Hayward, CA

Appendix A. Stratus Environmental, Inc. Groundwater Sampling Data Package (Includes Field Data Sheets, Non-Hazardous Waste Data Form, Certified Analytical Results, and Chain of Custody Documentation).

Appendix B. GeoTracker Upload Confirmation.

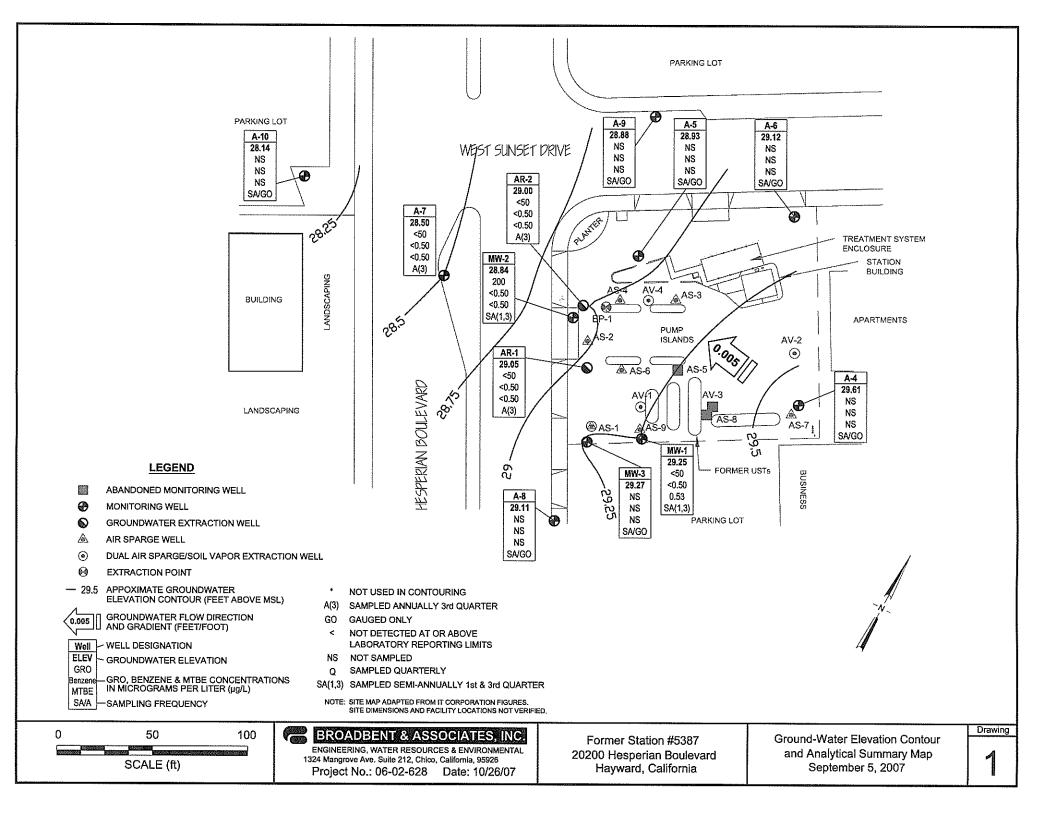


Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

		WITH THE PROPERTY OF THE PROPE]	Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	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
A-4															
3/6/1991			39.46	10.0	35.0	13.22	26.24	34,000	11,000	870	2,500	2,100	-		
12/24/1991			39.86	10.0	35.0	17.60	22,26	1,900	29	1.9	25	29			
3/10/1992			39.86	10.0	35.0	14.76	25.10	7,400	37	<0.60	11	73	-		toreversion
6/9/1992		Lateralive's transissamus turuttalan salah pijaga	39.86	10.0	35.0	15.63	24.23	4,500	3.2	1.5	37	16			
9/14/1992			39.86	10.0	35.0	16.83	23.03	1,300	<2.5	2.5	61	6.8	62.000.000.000.000		- SD 1227
I 1/12/1992			39.86	10.0	35.0	16.97	22.89	610	7.2	0.98	34	0.97			103333033
2/11/1993	8 6 -2 6		39.86	10.0	35.0	13,43	26.43	740	2.4	<0.5	5	3.5		100	35 <u>25</u> 3
4/14/1993		and reflected to the good of the control of the con	39.86	10.0	35.0	13.06	26.80	380	<0.5	<0.5	10	1.6			
8/12/1993	0.00-0.00		39.86	10.0	35.0	14,94	24.92	1,200	0.93	<0.5	0.91	<0.5	_	T.E.	78 <u>25</u> 87
10/26/1993			39.86	10.0	35.0	15.52	24.34	160	<0.5	<0.5	1	<0.5			
2/17/1994	a		39.46	10.0	35.0	14.02	25.44	320	0.5	<0.5	28	0.9		4.00	(5,225)
5/3/1994			39.46	10.0	35.0	13.85	25.61	130	<0.5	<0.5	1.1	<0.5			5020496416
8/17/1994			39.53	10.0	35.0	14.95	24.58	62	34.58	<0.5	<0.5	<0.5			S S
11/18/1994			39.53	10.0	35.0	14.46	25.07	98	1.3	0.6	<0.5	<0.5			
12/6/1995			39.53	10.0	35.0	13.82	25.71	=	0.6	-			-		-
2/14/1996			39.53	10.0	35.0	11.24	28.29			2.3		0.71	**		
10/29/1996			39.53	10.0	35.0	13.50	26.03	140					30 to 30		
1/29/1997			39.53	10.0	35.0	12.65	26.88	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/30/1997	0.00_20.00		39.53	10.0	35.0	13.97	25.56	<20	<0.3	<0.3	<0.3	<0.5	<50		
7/31/1997			39.53	10.0	35.0	12.70	26.83	<50	<0.3	<0.3	<0.3	<0.5	<20		
10/22/1997			39.53	10.0	35.0	13.95	25.58	<50	<0.3	<0.3	<0.3	<0.5	<20	<u> </u>	
1/28/1998			39.53	10.0	35.0	11.90	27.63	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998			39.53	10.0	35.0	13.92	25.61	<50	<0.3	<0.3	<0.3	<0.5	<20		(% <u>226</u> %),
7/8/1998			39.53	10.0	35.0	10.80	28.73	<50	<0.3	<0.3	<0.3	<0.5	₫		
10/22/1998	-		39.53	10.0	35.0	12.60	26.93	ර0	<0.3	<0.3	<0.3	<0.5	ঠ		
1/13/1999	Mark 45 (Chiel University Symbol Systems	75294/4(0004701098)9298825888800000000000000000000000000000	39.53	10.0	35.0	12.60	26.93	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/29/1999			39.53	10.0	35.0	12.61	26.92	<50	<0.3	<0.3	<0.3	<0.5	ঠ		(0)
1/15/2002		grafit skoligist kisistist kisistist kisistessaanavassaanavassaanavassa	39.53	10.0	35.0			<50	<0.5	<0.5	<0.5	<0.5	6.2		
4/24/2002	-	j	39.53	10.0	35.0			<50	<0.50	<0.50	<0.50	<0.50	<0.50		85778
09/23/2002		a ************************************	39.53	10.0	35.0		W-M-								
12/9/2002	P		39.53	10.0	35.0	13.36	26.17	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	2.4	6.6

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of	,	Water Level		n sanganan na ana ani dalah	Concentra	tions in (22	σ/T \			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/		Concentra	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)	pН
A-4 Cont.															
2/11/2003	P	e	39.53	10.0	35.0	11.82	27.71	<50	<0.50	<0.50	<0.50	<0.50	0.53	1.8	6.6
6/27/2003			39.53	10.0	35.0	12.12	27.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.7
09/04/2003		a	39.53	10.0	35.0		<u>.</u>	_	-	-			<u></u>		<u>-</u>
11/17/2003		m	39.53	10.0	35.0	15.09	24,44				***		•		
03/01/2004	P	i	42.26	10.0	35.0	10.95	31.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.7
06/02/2004		m	42.26	10.0	35.0	12.34	29.92	**				### ##################################			
09/16/2004	P	0.0000000000000000000000000000000000000	42.26	10.0	35.0	13.19	29.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	6.7
12/07/2004		m	42.26	10.0	35.0	13.00	29.26				H 40			4 Zay 2 Zilli	
03/02/2005	P	10 S 10 S 10 S 10 S	42.26	10.0	35.0	10.66	31.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	6.7
06/20/2005		m	42.26	10.0	35.0	11.42	30.84	**				**			
09/06/2005	P		42.26	10.0	35.0	12.30	29.96	<50	<0.50	<0.50	<0.50	<1.5	<0.50	0.1	6.7
03/07/2006		**************************************	42.26	0.01	35.0	10.78	31,48	***							
9/7/2006			42.26	10.0	35.0	11.65	30.61	-		-					-
3/6/2007		2. A. Hilliam A. Sandari Marina (A. 2007) (1930) (1930) (1930) (1930)	42.26	10.0	35.0	11.18	31.08								
9/5/2007			42.26	10.0	35.0	12.65	29.61	-		-		-			Progressive of
A-5											200000000000000000000000000000000000000		000100000000000000000000000000000000000		No. Control (10)
12/24/1991	-		38.94	10	30.00	16.85	22.09	1,600	21	<0.30	32	52	-		-
3/10/1992			38.94	10	30.00	13.83	25.11	1,000	1.6	<0.30	43	100			
6/9/1992		o Street a City of Design	38.94	10	30.00	14.91	24.03	680	34	<1.5	14	16	0 0 -	8 2 86	-
9/14/1992			38.94	10	30.00	16.14	22.80	770	12	<0.30	51	65			
11/12/1992			38.94	10	30.00	16.35	22.59	520	3	<2.5	29	36		6 - 05	(S-2)
2/11/1993			38.94	10	30.00	13.21	25.73	150	1.6	0.96	5.1	1.5			
4/14/1993			38.94	10	30.00	12.97	25.97	190	5.4	<0.5	1.5	0.97			55.775
8/12/1993			38.94	10	30.00	14.12	24.82	230	1.7	<0.5	5.3	0.94			
10/26/1993			38.94	10	30.00	14.72	24.22	190	2.8	<0.5	5.5	2		20071 01320 00000	
2/17/1994	***	p	38.47	10	30.00	13.20	25.27	340	<0.5	<0.5	13	2.9			
5/3/1994			38.47	10	30.00	13.08	25.39	170	1.4	<0.5	4	1.9	<u>-</u>	_	700000000000000000000000000000000000000
8/17/1994		2 martin na mar na magampa 192 mm2 1920 mm2 1930 mm3 193	38.54	10	30.00	14.18	24.36	270	0.6	<0.5	7.3	1.1			1000000000
11/18/1994	22) (6)		38.54	10	30,00	13.73	24.81	338	- 22	<0.5	4.6	<0.5		10 <u>10</u> 10	
9/26/1995	**	Secretary Secret	38.47	10	30.00	12.44	26.03		0.63	1.1		1.2			(0005(00005)

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

Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	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)	pН
A-5 Cont.															
12/6/1995	-		38.47	10	30.00	12,92	25.55	_							
2/14/1996		p - 1 - Valazzinia ()	38.47	10	30.00	10.76	27.71	***		2	**	1.1	**		
10/29/1996			38.47	10	30.00	12.35	26.12		30.022	-			<u>-</u>	5172	
1/29/1997	**		38.47	01	30.00	10.85	27.62	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/30/1997	22.00		38.47	10	30.00	13.56	24.91	<20	<0.3	<0.3	<0.3	<0.5	<50		<u> </u>
7/31/1997		e en established (Commission) i Mariana da i Commission (Commission) i Area (Commissio	38.47	10	30.00	11.80	26.67	<50	<0.3	<0.3	<0.3	<0.5	<20		
10/22/1997	9 - 40	10.00	38.47	10	30.00	12.20	26.27	<50	<0.3	<0.3	<0.3	<0.5	<20	4-	(% <u>-2</u> 5%)
1/28/1998			38,47	10	30.00	10.12	28.35	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998	10 10 -	15 N 1 S N 1 S N	38.47	10	30.00	13.50	24.97	<50	<0.3	<0.3	<0.3	<0.5	<20		
7/8/1998			38.47	10	30.00	10.20	28.27	<50	<0.3	<0.3	<0.3	<0.5	<5		
10/22/1998		12 2 2 2 2 2 2	38.47	10	30.00	11.50	26.97	<50	<0.3	<0.3	<0.3	<0.5	Q		
1/13/1999			38.47	10	30.00	10.15	28.32	<50	0.32	0.38	<0.3	<0.5	<20		
4/29/1999			38.47	10	30.00	11.50	26.97	<50	<0.3	<0.3	<0.3	0.58	٥		-
1/15/2002			38.47	10	30.00	**		<50	<0.5	<0.5	<0.5	<0.5	5		**
4/24/2002	<u>-</u>	j	38.47	10	30.00	-		<50	<0.50	<0.50	<0.50	<0.50	1.2	Secretary Sec	700 100
9/23/2002	P		38.47	10	30.00	12.55	25.92	<50	<0.50	<0.50	<0.50	<1.5	1.3	1.0	6.7
12/9/2002	P	9 (0.00) (0.00) (0.00)	38.47	10	30.00	12.60	25.87	<50	<0.50	<0.50	<0.50	<1.0	<5.00	1.9	6.6
2/11/2003	P	e	38.47	10	30.00	11.37	27.10	<50	<0.50	<0.50	<0.50	<0.50	0.97	1.2	6.7
6/27/2003	10 mm 100	0.00	38.47	10	30.00	11.55	26.92	<50	<0.50	<0.50	<0.50	<0.50	0.98	1.5	6.8
9/4/2003			38.47	10	30.00	12.21	26.26	<50	<0.50	<0.50	<0.50	<0.50	0.5	3.1	7
11/17/2003		m	38.94	10	30.00	12.37	26.57		-				1	8 4	5002700
03/01/2004	P	i	41.00	10	30.00	10.90	30.10	<50	<0.50	<0.50	<0.50	<0.50	0.77	3.2	6.7
06/02/2004	-	m	41.00	10	30.00	11.70	29.30			-	-	0 U 03		5 4-0	
09/16/2004	P	A	41.00	10	30.00	12.40	28.60	<50	<0.50	<0.50	<0.50	<0.50	0.50	0.2	6.8
12/07/2004		m	41.00	10	30.00	12.40	28.60		-	-	-		-	- 0	
03/02/2005	P		41.00	10	30.00	10.54	30.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	6.6
06/20/2005		m	41.00	10	30.00	10.92	30.08			-		77	-	-	
09/06/2005	P		41.00	10	30.00	11.67	29.33	<50	<0.50	<0.50	<0.50	<1.5	0.61	0.2	6.7
03/07/2006			41.00	10	30.00	10.43	30.57		_		-		-	-	
9/7/2006			41.00	10	30.00	11.14	29.86								
3/6/2007	0 - 0	a	41.00	10	30.00	<u></u>		(2) (<u>1)</u>	=	10 50 50	<u> </u>				30000000

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level		***	Concentra	tions in (µ	g/L)			
Well and	***************************************	Parameter	TOC	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)	pН
A-5 Cont.															
9/5/2007			41.00	10	30.00	12.07	28.93						ALL THE STATE OF T		
A-6	- Constitution														
12/24/1991			39.07	5.0	30.0	16.88	22.19	<30	<0.3	<0.3	<0.3	<0.3	<u></u>		
3/10/1992			39.07	5.0	30.0	13.73	25.34	<30	<0.3	<0.3	<0.3	<0.3			
6/9/1992	- 00		39.07	5.0	30.0	14.95	24.12	<30	<0.3	<0.3	<0.3	<0.3		<u> </u>	10 <u>- 1</u> 0 1
9/14/1992			39.07	5.0	30.0	16.20	22.87	<50	<0.5	<0.5	<0.5	<0.5			
11/12/1992	-		39.07	5.0	30.0	16.35	22,72	<50	<0.5	<0.5	<0.5	<0.5	0 0 0 0		
2/11/1993			39.07	5.0	30.0	13.04	26.03	<50	<0.5	<0.5	<0.5	<0.5			***
4/14/1993			39.07	5.0	30.0	12.23	26.84	<50	<0.5	<0.5	<0.5	<0.5		-	-
8/12/1993		***************************************	39.07	5.0	30.0	14.18	24.89	<50	<0.5	<0.5	<0.5	<0.5		**	
10/26/1993	<u></u>		39.07	5.0	30.0	14.85	24.22	<50	<0.5	<0.5	<0.5	<0.5	-	-	
5/3/1994			39.07	5.0	30.0	13.66	25.41	<50	<0.5	<0.5	<0.5	<0.5		~+	
8/17/1994		5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5	38.78	5.0	30.0	14.34	24,44	<50	<0.5	<0.5	<0.5	<0.5		-	_
11/18/1994			38.78	5.0	30.0	13.76	25.02	<50	<0.5	<0.5	<0.5	<0.5			
9/26/1995			38.78	5.0	30.0	12.56	26.22	42	5 4	<u></u>	<u> -</u>		_	-	-
12/6/1995			38.78	5.0	30.0	13.18	25.60					**			
2/14/1996			38.78	5.0	30.0	12.46	26.32	0 (<u>4</u> -13) (0.44	-	-	_		_	<u>. 1</u>
10/29/1996			38.78	5.0	30.0	12.40	26.38	50							
1/29/1997	-		38.78	5.0	30.0	13.85	24.93	<50	<0.3	<0.3	<0.3	<0.5	<20	100	(0.) :
4/30/1997			38.78	5.0	30.0	12.49	26.29	<20	<0.3	<0.3	<0.3	<0.5	<50		
7/31/1997	-		38.78	5.0	30.0	12.10	26.68	<50	<0.3	<0.3	<0.3	<0.5	<20	·	-
10/22/1997			38.78	5.0	30.0	15.20	23.58	<50	<0.3	<0.3	<0.3	<0.5	<20		
1/28/1998	75	0.0000000000000000000000000000000000000	38.78	5.0	30.0	13.80	24.98	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-
4/22/1998			38.78	5.0	30.0	12.45	26.33	<50	<0.3	<0.3	<0.3	<0.5	<20		
7/8/1998	-		38.78	5.0	30.0	10.30	28.48	<50	<0.3	<0.3	<0.3	<0.5	ర	-	
10/22/1998			38.78	5.0	30.0	11.10	27.68	<50	<0.3	<0.3	<0.3	<0.5	<5		
1/13/1999			38.78	5.0	30.0	10.40	28.38	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/29/1999			38.78	5.0	30.0	13.80	24.98	<50	<0.3	<0.3	<0.3	<0.5	<5		
1/15/2002	-	1 (eg. 5) (C. 18) (G. 18) (H.	38.78	5.0	30.0			<50	<0.5	<0.5	<0.5	<0.5	5.7		<u>-</u>
4/24/2002		•	38.78	5.0	30.0			<50	<0.50	<0.50	<0.50	<0.50	<0.50		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	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)	pН
A-6 Cont.															
9/23/2002	P	A Section of the sect	38.78	5.0	30.0	12.61	26.17	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1,4	6.8
12/9/2002	P		38.78	5.0	30.0	12.67	26,11	<50	<0.500	<0.500	<0.500	<1.00	<5.00	2.6	6.7
2/11/2003	P	e	38.78	5.0	30.0	11.21	27.57	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	6.7
6/27/2003			38.78	5.0	30.0	11.60	27.18	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	6.9
9/4/2003			38.78	5.0	30.0	12.29	26.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	6.9
11/17/2003			38.78	5.0	30.0	12,44	26.34								**
03/01/2004		i, n	41.25	5.0	30.0	10.45	30.80	-						_	
06/02/2004		n	41.25	5.0	30.0	11.75	29.50			**				***	
09/16/2004	P		41.25	5.0	30.0	12.56	28.69	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	6.8
12/07/2004		n	41.25	5.0	30.0	12.35	28.90					**			
03/02/2005		п	41.25	5.0	30.0	10.34	30.91			- A	-				(i)—(i)
06/20/2005	**	n	41.25	5.0	30.0	10.90	30.35				**				***
09/06/2005	P	1000	41.25	5.0	30.0	11.70	29.55	<50	<0.50	<0.50	<0.50	<1.5	<0.50	0.2	6.8
03/07/2006			41.25	5.0	30.0	10.39	30.86								
9/7/2006			41.25	5.0	30.0	11.18	30.07		_			20 100 000 000 20 100 000 000			
3/6/2007			41.25	5.0	30.0	10.72	30.53								
9/5/2007	-		41.25	5.0	30.0	12.13	29.12			-	-		<u>-</u>		
A-7															
12/24/1991			39.95	10.00	35.00	18.11	21.84	10,000	88	16	170	610			
3/10/1992			39.95	10.00	35.00	15.30	24.65	320	9.3	0.54	8.8	34			
6/9/1992			39.95	10.00	35.00	16.12	23.83	340	11	1.1	8.9	26		3 A	
9/14/1992			39.95	10.00	35.00	17.35	22.60	510	12	<2.0	30	51			
11/12/1992			39.95	10.00	35.00	17.47	22.48	760	17	0.83	50	73	-		66 — 66
2/11/1993	**		39.95	10.00	35.00	13.80	26.15	260	20	1	11	21			725 X 795 X
4/14/1993			39.95	10.00	35.00	13.60	26.35	1,300	89	2.1	48	87	_	edecember deep	
8/12/1993			39.95	10.00	35.00	15.54	24,41	360	9	<0.50	13	9			
10/26/1993	-		39.95	10.00	35.00	16.28	23.67	99	1.7	<0.50	4	3			
2/17/1994		**************************************	39.38	10.00	35.00	14.44	24.94	1,300	38	<1	35	25			
5/3/1994	-22		39.38	10.00	35.00	14.34	25.04	330	8.1	<0.5	7.8	3.7	-		
8/17/1994	**		39.45	10.00	35.00	15.40	24.05	350	2.2	<0.5	9.6	3.6			**

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and		Transmission of the state of th	TOC	Screen	Screen	DTW	Elevation	GRO/		PP AND	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)	pН
A-7 Cont.															
11/18/1994			39.45	10.00	35.00	14.95	24.50	412	1.3	<0.5	6.2	2	<u></u>		
9/26/1995			39.38	10.00	35.00	13.92	25.46				**				
12/6/1995	8 15		39.38	10.00	35.00	14.42	24.96	_			-		3 3 <u>a</u>	<u>=</u>	350 <u>-25</u> 50
2/14/1996			39.38	10.00	35.00	12.38	27.00	***		1.1		0.59			
10/29/1996	8 (6) 7 (8)		39.38	10.00	35.00	12.33	27,05	6 (4-6)	0.20	-				2	\$8,2 <u>22</u> 00
1/29/1997			39.38	10.00	35.00	13.10	26.28	<50	<0.3	<0.3	<0.3	<0.5	<20		~~
4/30/1997		5 6 6 6 6 6 6 6	39.38	10.00	35.00	11.70	27.68	<20	<0.3	<0.3	<0.3	<0.5	<50		(8), (6)
7/31/1997			39.38	10.00	35.00	13.25	26.13	<50	<0.3	<0.3	<0.3	<0.5	<20		
10/22/1997			39.38	10.00	35.00	14.42	24.96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	
1/28/1998			39.38	10.00	35.00	13.00	26.38	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998	-		39.38	10.00	35.00	11.65	27.73	<50	<0.3	<0.3	<0.3	<0.5	<20	-	· · · ·
7/8/1998			39.38	10.00	35.00	11.20	28.18	<50	<0.3	<0.3	<0.3	<0.5	<5		
10/22/1998	-		39.38	10.00	35.00	13.75	25.63	51	<0.3	<0.3	<0.3	<0.5	- 5	-	20. 100
1/13/1999			39.38	10.00	35.00	14.45	24.93	<50	<0.3	<0.3	<0.3	<0.5	<20	**	
4/29/1999		0.0000000000000000000000000000000000000	39.38	10.00	35.00	13.74	25.64	<50	<0.3	<0.3	<0.3	<0.5	5	-	10000000000000000000000000000000000000
1/15/2002			39.38	10.00	35.00			<50	<0.5	<0.5	<0.5	<0.5	4.8		
4/24/2002	900 000	justini justini	39.38	10.00	35.00	_	0 (1 <u>4</u> -10 (1)	<50	<0.50	<0.50	<0.50	<0.50	7.2	10 Year	
9/23/2002	P		39.38	10.00	35.00	13.78	25.60	<50.0	<0.500	<0.500	<0.500	<1.50	3.48	0.8	6.7
12/9/2002	P		39.38	10.00	35.00	13.97	25.41	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	2.2	6.8
2/11/2003	P	e	39.38	10.00	35.00	12.35	27,03	54	<0.50	<0.50	<0.50	<0.50	21	1.7	6.3
6/27/2003	-		39.38	10.00	35.00	12.95	26.43	<50	<0.50	<0.50	<0.50	<0.50	9.4	1.3	6.8
9/4/2003			39.38	10.00	35.00	13.59	25.79	<50	<0.50	<0.50	<0.50	<0.50	3.4	2.6	6.9
11/17/2003	P	6 1 Million 12 M	39.38	10.00	35.00	13.84	25:54	<50	<0.50	<0.50	<0.50	<0.50	1.4	3.5	6.5
03/01/2004	P	i	41.94	10.00	35.00	12.65	29.29	<50	<0.50	<0.50	<0.50	<0.50	1.1	3.5	6.7
06/02/2004	P		41.94	10.00	35.00	13.08	28.86	-5 0	<0.50	<0.50	<0.50	<0.50	0.92	1.3	7.3
09/16/2004	P		41.94	10.00	35.00	13.89	28.05	<50	<0.50	<0.50	<0.50	<0.50	1.0	0.7	6.7
12/07/2004	P		41,94	10.00	35.00	13.77	28.17	<50	<0.50	<0.50	<0.50	<0.50	1.8	0.8	7.3
03/02/2005	P	22/27/2/22/22/24/24/24/24/24/24/24/24/24/24/2	41.94	10.00	35.00	12.35	29.59	<50	<0.50	<0.50	<0.50	<0.50	1.4	3.1	6.7
06/20/2005	P		41.94	10.00	35.00	12.30	29.64	<50	<0.50	<0.50	<0.50	<0.50	6.0	0.12	6.8
09/06/2005	P	nggyggalaige (Aspalai Aspalai) bigapak pigapak pigapa kannan	41.94	10.00	35.00	13.10	28.84	<50	<0.50	<0.50	<0.50	<1.5	<0.50	0.1	6.7
03/07/2006			41.94	10.00	35.00	11.83	30.11	0.04_000	_	<u> 2</u> 1 (8)		1	-	_	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	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	Tolucne	Benzene	Xylenes	MTBE	(mg/L)	pН
A-7 Cont.												:			
9/7/2006	P		41.94	10.00	35.00	12.64	29.30	<50	<0.50	<0.50	<0.50	<0.50	0.80	1.31	6.7
3/6/2007		2000 / 1000 100 rec 20 1 100 m/s 20 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41.94	10.00	35.00	12.12	29.82	**						**	
9/5/2007	NP		41.94	10.00	35.00	13.44	28.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.31	7.37
A-8													The state of the s		
9/14/1992	-		37.23	10.00	35.00	14.19	23.04	<50	<0.5	<0.5	<0.5	<0.5	-		
11/12/1992			37.23	10.00	35.00	14.35	22.88	<50	<0.5	<0.5	<0.5	<0.5			
2/11/1993	-	2000 St. 60 St. 60 St.	37.23	10.00	35.00	11.25	25,98	<50	<0.5	<0.5	<0.5	<0.5	5 0 S	-	(i)
4/14/1993			37.23	10.00	35.00	12.33	24.90	<50	<0.5	<0.5	<0.5	<0.5			
8/12/1993	-		37.23	10.00	35.00	12.41	24.82	<50	<0.5	<0.5	<0.5	<0.5		-	
10/26/1993			37.23	10.00	35.00	13.02	24.21	<50	<0.5	<0.5	<0.5	<0.5			
2/17/1994	<u> </u>		36.76	10.00	35.00	11,47	25.29	<50	<0.5	<0.5	<0.5	<0.5		-	
5/3/1994			36.76	10.00	35.00	11.35	25.41	<50	<0.5	<0.5	<0.5	<0.5			**
8/17/1994	-		36.84	10.00	35.00	12.34	24.50	<50	<0.5	1.7	<0.5	1.4	_	SST 125 TO 1075	(2007)
11/18/1994			36.84	10.00	35.00	11.90	24.94	<50	1	<0.5	<0.5	<0.5			
9/26/1995	-	The second second	36.76	10.00	35.00	10.94	25.82	<50	2.0	2.2			-	<u> </u>	370 <u>-75</u> 0
12/6/1995			36.76	10.00	35.00	11.42	25.34	<50							
2/14/1996		0.000.000.000	36.76	10.00	35.00	8.80	27.96	<50		0.48	8 S 🕳 🕦	6 9 -2 9		i = 1	
10/29/1996			36.76	10.00	35.00	11.30	25.46	<50			**				
1/29/1997	-		36.76	10.00	35.00	7.60	29.16	<50	<0.3	<0.3	<0.3	<0.5	<20	-	(()()
4/30/1997			36.76	10.00	35.00	10.54	26.22	<50	<0.3	<0.3	<0.3	<0.5	<50		**************************************
7/31/1997			36.76	10.00	35.00	11.20	25.56	<50	<0.3	<0.3	<0.3	<0.5	<20	4	
10/22/1997			36.76	10.00	35.00	12.14	24.62	<50	<0.3	<0.3	<0.3	<0.5	<20	*-	
1/28/1998			36.76	10.00	35.00	4.43	32.33	<50	<0.3	<0.3	<0.3	<0.5	<20	-	
4/22/1998			36.76	10.00	35.00	10.55	26.21	<50	<0.3	<0.3	<0.3	<0.5	<20		
7/8/1998		100 100 100 100 100 100	36.76	10.00	35.00	9.07	27.69	<50	<0.3	<0.3	<0.3	<0.5	Ó	77 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -	CHARLES OF THE
10/22/1998			36.76	10.00	35.00	12.12	24.64	<50	<0.3	<0.3	<0.3	<0.5	<5	***	
1/13/1999			36.76	10.00	35.00	9.60	27.16	<50	<0.3	<0.3	<0.3	<0.5	<20	<u>-</u>	
4/29/1999			36.76	10.00	35.00	9.08	27.68	<50	<0.3	<0.3	<0.3	1.5	<5		
1/15/2002			36.76	10.00	35.00		 .	ර0	<0.5	<0.5	<0.5	<0.5	5.6	<u> </u>	1377 (179)
4/24/2002		j	36.76	10.00	35.00			<50	<0.50	<0.50	<0.50	<0.50	<0.50		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	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)	pН
A-8 Cont.															
9/23/2002	P		36.76	10.00	35.00	10.75	26.01	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.0	6.8
12/9/2002	P		36.76	10.00	35.00	10.81	25.95	<50	<0.500	<0.500	<0.500	<1.00	<5.00	2.1	6.6
2/11/2003	P	e	36.76	10.00	35.00	9.90	26.86	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	6.5
6/27/2003		A CONTRACTOR AND A CONT	36.76	10.00	35.00	9.73	27.03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	6.8
9/4/2003	6		36.76	10.00	35.00	10.32	26.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	6.9
11/17/2003		m	36.76	10.00	35.00	10.55	26.21			**		***			
03/01/2004	P	i i	39,29	10.00	35.00	8.51	30.78	<50	<0.50	<0.50	<0.50	<0.50	0.76	3.6	6.8
06/02/2004		m	39.29	10.00	35.00	9.83	29.46								4
09/16/2004	P		39,29	10.00	35.00	10.75	28.54	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.1	6.7
12/07/2004	**	m	39.29	10.00	35.00	10.55	28.74				-	Santy strains a start worden:			
03/02/2005	P	a force positions de et	39.29	10.00	35.00	8.35	30.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	6.8
06/20/2005		m	39.29	10.00	35.00	8.95	30.34								
09/06/2005	P		39.29	10.00	35.00	9.85	29.44	<50	<0.50	<0.50	<0.50	<1.5	<0.50	0.3	6.7
03/07/2006			39.29	10.00	35.00	8.33	30.96								
9/7/2006			39.29	10.00	35.00	9.24	30.05	_		=	-	-			
3/6/2007			39.29	10.00	35.00	5.78	33.51	**				•••			
9/5/2007			39.29	10.00	35.00	10.18	29.11						-		
A-9															
9/14/1992			38.71	10.0	35.0	16.12	22.59	<50	<0.5	<0.5	<0.5	<0.5			<u> </u>
11/12/1992			38.71	10.0	35.0	16,29	22.42	<50	<0.5	<0.5	<0.5	<0.5			
2/11/1993			38.71	10.0	35.0	12.31	26.40	<50	<0.5	<0.5	<0.5	<0.5		_	Ø.
4/14/1993	**		38.71	10.0	35.0	12.01	26.70	<50	<0.5	<0.5	<0.5	<0.5			
8/12/1993			38.71	10.0	35.0	13.90	24.81	<50	<0.5	<0.5	<0.5	<0.5	- a		
10/26/1993			38.71	10.0	35.0	14.86	23.85	<50	<0.5	<0.5	<0.5	<0.5			
2/17/1994		CALL DESCRIPTION OF THE PRINCE OF THE PRINCES	38.19	10.0	35.0	12.99	25.20	<50	<0.5	<0.5	<0.5	<0.5	illi ole s e so es	-	
8/17/1994			38.19	10.0	35.0	14.03	24.16	<50	<0.5	<0.5	<0.5	<0.5			
11/18/1994	_		37.24	10.0	35.0	13.44	23.80	<50	<0.5	<0,5	<0.5	<0.5	-	-	160010000
9/26/1995			37.24	10.0	35.0	12.43	24.81	<50	<0.5						
12/6/1995	31 (S) <u>2</u> 3 (S)		38.19	10.0	35.0	13.14	25.05	<50	<0.5	<u>-</u>			<u> </u>	-	iosa <u>rti</u>
2/14/1996		and the state of t	38.19	10.0	35.0	9.05	29.14	<50		1.8	0.49	0.82			**

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)	7,000 to 100 to		}
Well and			TOC	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)	pН
A-9 Cont.															3
10/29/1996			38.19	10.0	35.0	12.85	25.34	<50							(12:23333)
1/29/1997			38.19	10.0	35.0	9.02	29.17	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/30/1997		3.000	38.19	10.0	35.0	12.05	26.14	<50	<0.3	<0.3	<0.3	<0.5	<50		120 120 13
7/31/1997			38.19	10.0	35.0	12.18	26.01	<50	<0.3	<0.3	<0.3	<0.5	<20		
10/22/1997			38.19	10.0	35.0	7.45	30.74	<50	<0.3	<0.3	<0.3	<0.5	<20		
1/28/1998			38.19	10.0	35.0	21.25	16.94	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998			38.19	10.0	35.0	12.10	26.09	<50	<0.3	<0.3	<0.3	<0.5	<20	_	
7/8/1998			38.19	10.0	35.0	10.40	27.79	<50	<0.3	<0.3	<0.3	<0.5	<5		
10/22/1998			38.19	10.0	35.0	1.55	36,64	<50	<0.3	<0.3	<0.3	<0.5	5	4-0	
1/13/1999			38.19	10.0	35.0	12.05	26.14	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/29/1999			38.19	10.0	35.0	7.43	30.76	<50	<0.3	<0.3	<0.3	<0.5	حة.	-	utpersonen Silv 7-1004
1/15/2002			38.19	10.0	35.0			<50	<0.5	<0.5	<0.5	<0.5	4.3		**
4/24/2002		j	38.19	10.0	35.0			<50	<0.50	<0.50	<0.50	<0.50	<0.50	227.000	
9/23/2002	P	Purposent y post (Anthon November (South Control	38.19	10.0	35.0	12.35	25.84	<50	<0.500	<0.500	<0.500	<1.50	<0.500	1.6	6.8
12/9/2002	P		38.19	10.0	35.0	12.37	25.82	<50	<0.500	<0.500	<0.500	<1.00	<5.00	3.2	7.1
2/11/2003	P	e	38.19	10.0	35.0	10.97	27,22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	6.7
6/27/2003	F (0) 44 (18)		38.19	10.0	35.0	11.41	26.78	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2,9	6.7
9/4/2003		2 c c c c c c c c c c c c c c c c c c c	38.19	10.0	35.0	12.00	26.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.9
11/17/2003	0.60 600		38.19	10.0	35.0	12.18	26.01	-		-				0 - 00	
03/01/2004	P	ì	40.73	10.0	35.0	10.30	30.43	<50	<0.50	<0.50	<0.50	<0.50	0.50	3.1	6.7
06/02/2004	6 s	m m	40.73	10.0	35.0	11.50	29.23		-				-		-
09/16/2004	P		40.73	10.0	35.0	12.23	28.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	6.8
12/07/2004	-	m	40,73	10.0	35.0	12.20	28.53	-			-	9 00-		-	
03/02/2005	P		40.73	10.0	35.0	10.09	30.64					**		3,7	
06/20/2005	7	m	40.73	10.0	35.0	10.75	29.98		=	-	_			-	-
09/06/2005	P		40.73	10.0	35.0	11.44	29.29	<50	<0.50	<0.50	<0.50	<1.5	<0.50	1.0	6.6
03/07/2006	-		40.73	10.0	35.0	10.33	30.40	<u>-</u>		-			-	30 - 1937 - 1935 	_
9/7/2006		200 September 20	40.73	10.0	35.0	10.98	29.75								
3/6/2007			40.73	10.0	35.0	10.57	30.16			-	- <u></u>		<u>-</u>		700 <u>- 71</u> 6
9/5/2007			40.73	10.0	35.0	11.85	28.88		economy recognized control (1975)				- -		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/	1		Ethyl-	Total		DO	ı
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
A-10															
12/7/1992			38.94	10.00	35.00	16.81	22.13	660	30	<2.5	<2.5	<2.5	-		eterovenos
2/11/1993		- 100 Color	38.94	10.00	35.00	13.15	25.79	210	<0.5	0.97	<0.5	<0.5			
4/14/1993			38.94	10.00	35.00	12,19	26.75	770	<0.5	3	0.76	1.9			
8/12/1993		-25 (45 km) u 26 (45 km) 44 km	38.94	10.00	35.00	14.87	24.07	390	<0.5	<0.5	<0.5	0.84			
10/26/1993	5 (6) (<u>10</u>		38.94	10.00	35.00	15.65	23.29	290	<0.5	<0.5	<0.5	<0.5	70 NO 1 <u>00</u> NO 100		
2/17/1994	w-	e 1940 Valletina 94 9 Antimat I 1960 a del tatalata (i entigra a paga a finige per esperante	38.66	10.00	35.00	14.16	24.50	52	<0.5	<0.5	<0.5	<0.5			
5/3/1994			38.66	10.00	35.00	14.00	24.66	<50	<0.5	<0.5	<0.5	<0.5		8 (<u>a.</u> (a)	
8/17/1994		por Trickin and tricking common to Adult emission confirmation delimination and a	38.72	10.00	35.00	15.08	23.64	<50	<0.5	<0.5	<0.5	<0.5			
11/18/1994			38.72	10.00	35.00	14.68	24,04	<50	<0.5	<0.5	<0.5	<0.5			
9/26/1995		Sen Agenda, Anger, Sen Malayah Agendah musikan keputuh dibibbat	38.66	10.00	35.00	13.58	25.08				**				
12/6/1995	- - -		38.66	10.00	35.00	14.24	24.42		-	a					
2/14/1996			38.66	10.00	35.00	6.70	31.96								
10/29/1996			38.66	10.00	35.00	14.10	24.56	-	-			1.1			
1/29/1997			38.66	10.00	35.00	11.20	27.46	<50	0.41	4.8	0.6	4.4	37		
4/30/1997			38.66	10.00	35.00	12.66	26.00	<20	0.4	4.2	0.5	3.8	50		120 (100 (100 (100 (100 (100 (100 (100 (
7/31/1997	M=		38.66	10.00	35.00	13.20	25.46	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998	_		38.66	10.00	35.00	12.60	26.06	<50	<0.3	<0.3	<0.3	<0.5	<20		#571 <u>77</u> 24713
7/8/1998		Panasa na ana ana ana ana ana ana ana ana	38.66	10.00	35.00	8.08	30.58	<50	<0.3	<0.3	<0.3	<0.5	<5		***
10/22/1998			38.66	10.00	35.00	11.15	27.51	<50	<0.3	<0.3	<0.3	<0.5	- 5	60 19 <u>00</u> 101	
1/13/1999		Augustory in German 2005 genous 1965 et se figure (1969) in	38.66	10.00	35.00	9.60	29.06	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/29/1999		0.000	38.66	10.00	35.00	11.15	27.51	<50	<0.3	<0.3	<0.3	<0.5	ర	-	88. <u>18</u> 8.
1/15/2002		200 VICEO VI	38.66	00.01	35.00		***	<50	<0.5	<0.5	<0.5	<0.5	17		
4/24/2002	6 (c) (c)	opportunity of the same	38.66	10.00	35.00	-	-		-				S		
9/23/2002		0	38.66	10.00	35.00								**		(8)22((1)((1))) ***
12/19/2002	P	on or or comment	38,66	10.00	35.00	12.75	25.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
2/11/2003	P	e	38.66	10.00	35.00	12.21	26.45	<50	<0.50	<0.50	<0.50	<0.50	1.9	1.3	6.7
6/27/2003			38.66	10.00	35.00	12.66	26.00	<50	<0.50	<0.50	<0,50	<0.50	0.99	0.8	7.2
9/4/2003			38.66	10.00	35.00	13.31	25.35	<50	<0.50	<0.50	<0.50	<0.50	1.1	0.9	6.9
11/17/2003	-	n	38.66	10.00	35.00	13.27	25.39	-	-	-		-			
03/01/2004		j, n	41.22	10.00	35.00	11.55	29.67								
06/02/2004	<u></u>	n	41.22	10.00	35.00	12.61	28.61	12 <u>-</u>	=	<u></u>	7 70 <u>-</u>	7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	<u>-</u>	700 <u>- 2</u> 700 - 2

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)		(C),>>>+++4	
Well and			TOC	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)	pН
A-10 Cont.				,											
09/16/2004	P	k	41.22	10.00	35.00	12.51	28.71	<50	<0.50	<0.50	<0.50	<0.50	0.84	0.2	6.8
12/07/2004		n	41.22	10.00	35.00	13.60	27.62								
03/02/2005		п	41.22	10.00	35.00	11.46	29.76	-			-				
06/20/2005		U	41.22	10.00	35.00	12.00	29.22			**		*-			
09/06/2005	3	a	41.22	10.00	35.00				-	60 20		7 (a)		<u></u>	<u>-</u>
03/07/2006	**	A STATE STATE OF THE STATE OF T	41.22	10.00	35.00	10.42	30.80		***		**				
9/7/2006			41.22	10.00	35.00	11.85	29.37	_							
3/6/2007			41.22	10.00	35.00	11.80	29,42	****				~~			
9/5/2007		and the Table State	41.22	10.00	35.00	13.08	28.14			-	N		_		
AR-1															
9/14/1992			38.11	15.00	40.00	15.21	22.90	820	67	<1.0	8.8	6.7	77	-	
11/12/1992		***************************************	38.11	15.00	40.00	15.36	22.75	140	66	<0.5	4.3	3.7			
2/11/1993			38.11	15:00	40.00	12.81	25.30	360	190	<2.5	8.6	<2.5	Angelon de commercial de l'estre	hull kriscos erveira i	**************************************
4/14/1993		6.7 1 (A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	38.11	15.00	40.00	11.77	26.34	420	240	5.2	30	8.7			
8/12/1993			38.11	15.00	40.00	13.55	24.56	370	150	<2	11	<2			1971/2000
10/26/1993		### ### 12 12 12 12 13 14 15 15 15 15 15 15 15	38.11	15.00	40.00	13.98	24.13	240	98	<2	11	<2			
2/17/1994	6 6 6		37,46	15.00	40.00	12.15	25.31	4,700	1,100	<10	140	26	_		300,000
5/3/1994		era v vermini v v draži v Audenst A ričkim V A Griffin V A Griffin (1936)	37.46	15.00	40.00	12.03	25.43	620	130	1.3	48	4.3		**	
8/17/1994	a (a) (a)		37.33	15.00	40.00	12.92	24.41	3,600	630	<5	200	12	-	<u> </u>	
11/18/1994			37.33	15.00	40.00	12.41	24.92	12,100	720	6.1	337	15		**************************************	
9/26/1995	-		37.46	15.00	40.00	11.34	26.12		8.3	(i) 1/00	14 - 14 A	-			S
12/6/1995			37.46	15.00	40.00	11.87	25.59	120	20		20	0.6			**
2/14/1996			37.46	15.00	40.00	10.48	26.98	-			- a	0.52	-	-	(A)***
10/29/1996	V		37.46	15.00	40.00	11.80	25.66			0.99					
1/29/1997	_		37.46	15.00	40.00	11.25	26.21	ර0	0.41	<0.3	<0.3	<0.3	<20	-	-
4/30/1997	w		37.46	15.00	40.00	12.24	25.22	<20	<0.3	<0.3	<0.3	<0.5	<50		
7/31/1997			37.46	15.00	40.00	10.80	26.66	⊲50	<0.3	<0.3	<0.3	<0.5	<20	egin angless sector	
10/22/1997	**		37.46	15.00	40.00	11,90	25.56	<50	<0.3	<0.3	<0.3	<0.5	<20		
1/28/1998	37 39 <u>- 2</u> 3 130 s	and the state of the state of	37.46	15.00	40.00	11.20	26.26	<50	<0.3	<0.3	<0.3	<0.5	<20	T 2	3633.1766311
4/22/1998			37.46	15.00	40.00	12.20	25.26	<50	<0.3	<0.3	<0.3	<0.5	<20		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	e/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	i
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
AR-1 Cont.															
7/8/1998			37.46	15.00	40.00	9,10	28.36	<50	<0.3	<0.3	<0.3	<0.5	ర	-	
10/22/1998		A SA CONTROL CONTROL OF SANDON PORTERS AND A SANDON PORTERS	37.46	15.00	40.00	9.80	27.66	270	2.1	<0.3	3.6	<0.5	190		r
1/13/1999			37.46	15.00	40.00	10.10	27.36	<50	<0.3	<0.3	<0.3	<0.5	<20		-
4/29/1999			37.46	15.00	40.00	11.35	26.11	<50	<0.3	<0.3	<0.3	<0.5	<5		
1/15/2002			37.46	15.00	40.00	_	. <u>.</u>	<50	<0.5	<0.5	<0.5	1.1	2.9		_
4/24/2002		j	37.46	15.00	40.00		***	<50	<0.50	<0.50	<0.50	<0.50	2.6		
9/23/2002	P		37.46	15.00	40.00	11.26	26.20	<50.0	<0.500	<0.500	<0.500	<1.50	20.2	1.6	6.9
12/9/2002	P	to metalogostan kiri dipininka katalan matambahan 1944 mmil katalah	37.46	15.00	40.00	11.35	26.11	<50.0	<0.500	<0.500	<0.500	<1.00	26.6	1.8	6.9
2/11/2003	P	and the comment of	37.46	15.00	40.00	9.91	27.55	<50	<0.50	<0.50	<0.50	<0.50	4.7	1.2	6.7
6/27/2003	NP	and the state of t	37.46	15.00	40.00	10.30	27.16	<50	<0.50	<0.50	<0.50	<0.50	1.6	1.6	7
09/04/2003	60 (0) 13 0 (0)	f_{200000}	37.46	15.00	40.00	-	1					(oj , iš)	60 W - 80 W		
11/17/2003	P		37.46	15.00	40.00	11.13	26.33	<50	<0.50	<0.50	<0.50	<0.50	1.4	1.8	6.7
03/01/2004	P	i i	39.82	15.00	40.00	9.00	30.82	<50	<0.50	<0.50	<0.50	<0.50	8.6	0.6	7.0
06/02/2004	NP		39.82	15.00	40.00	10.40	29.42	<50	<0.50	<0.50	<0.50	<0.50	3.6	0.3	7.2
09/16/2004	NP		39.82	15.00	40.00	11.18	28.64	<50	<0.50	<0.50	<0.50	<0.50	3.2	0.1	6.7
12/07/2004	NP		39.82	15.00	40.00	11.15	28.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.2	7.3
03/02/2005	P	p	39.82	15.00	40.00	9.01	30.81	<50	<0.50	<0.50	<0.50	<0.50	1.7	0.9	6.8
06/20/2005	NP		39.82	15.00	40.00	9.55	30.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.07	8.1
09/06/2005	NP		39.82	15.00	40.00	10.42	29.40	<50	<0.50	<0.50	<0.50	<1.5	<0.50	0.7	7.5
03/07/2006			39.82	15.00	40.00	9.04	30.78			**			***		***
9/7/2006	NP		39.82	15.00	40.00	9.83	29.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.07	7.1
3/6/2007			39.82	15.00	40.00	9.32	30.50								
9/5/2007	P		39.82	15.00	40.00	10.77	29.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.23	7.30
AR-2															
3/30/1993			38.39	5.0	35.00	11.53	26.86	390	4.1	1.6	<0.5	47	-	-	
4/14/1993			38.39	5.0	35.00	11.87	26.52	310	18	<0.5	0.67	36		-	
8/12/1993			38.39	5.0	35,00	13.59	24.80	130	16	<0.5	1.7	0.57	TOTAL SHEET OF THE CONTRACT	1907 (1) (1777 France)	losy/mem
10/26/1993		o ac i emiso de bunda abelo dos Alimbios (Cares de Bunda Alimbio), en oc	38.39	5.0	35.00	14.25	24.14	110	15	<0.5	1.8	<0.5			**
2/17/1994	<u></u>		38.39	5.0	35.00	12.76	25.63	130	2.9	<0.5	15	0.8		35000000	7755
5/3/1994		oo ing garanga ng Santang na sang sa may sa may sa sa sa Sa Santang Sang s	38.39	5.0	35.00	12.60	25.79	<50	<0.5	<0.5	<0.5	<0.5			(977810873

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

Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (u	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	1
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
AR-2 Cont.				·											
8/17/1994	<u></u>		38.18	5.0	35.00	13.86	24.32	3,000	140	140	220	91		S2 100 100	dana i salaan
11/18/1994			38.18	5.0	35.00	13.33	24.85	623	10.5	10.5	27.9	8			
9/26/1995			37.98	5.0	35.00	11.67	26.31	_					-		15522
12/6/1995			37.98	5.0	35.00	12.32	25.66	320	12	12	23	2.1			######################################
2/14/1996			37.98	5.0	35.00	10.74	27.24	_				0.76		-	(
10/29/1996			37.98	5.0	35.00	11.95	26,03		l						
1/29/1997	s 0 6		37.98	5.0	35.00	11.35	26.63	<50	<0.3	<0.3	<0.3	<0.5	<20	-	
4/30/1997			37.98	5.0	35.00	12.15	25.83	<20	<0.3	<0.3	<0.3	<0.5	<50		
7/31/1997			37.98	5.0	35.00	11.20	26.78	<50	<0.3	<0.3	<0.3	<0.5	<20	-	
10/22/1997			37.98	5.0	35.00	12.14	25.84	<50	<0.3	<0.3	<0.3	<0.5	<20		+-
1/28/1998	-		37.98	5.0	35.00	10.05	27,93	<50	<0.3	<0.3	<0.3	<0.5	<20	-	
4/22/1998		and the second second point property (second) (se	37.98	5.0	35.00	12.10	25.88	<50	<0.3	<0.3	<0.3	<0.5	<20		
7/8/1998	T		37.98	5.0	35.00	9.50	28.48	<50	<0.3	<0.3	<0.3	<0.5	ð	Marin participant	2000/01/2004/1
10/22/1998		- 1960 NO. BELLEVIEW PROCESS (1965) 1965 NO. BELLEVIEW PROCESS (1965) 1965 NO. BELLEVIEW PROCESS (1965) 1965 N	37.98	5.0	35.00	10.45	27.53	<50	<0.3	<0.3	<0.3	<0.5	ර		
1/13/1999			37.98	5.0	35.00	10.50	27.48	<50	<0.3	0.4	<0.3	0.53	<20	000000000000000000000000000000000000000	
4/29/1999		mater datum kir da men di kadi mulam keda beli da da mara da da ma	37.98	5.0	35.00	11.48	26.50	<50	<0.3	<0.3	<0.3	0.82	<5		
1/15/2002	(0.40) <u></u> 0.60		37.98	5.0	35.00	-		<50	<0.5	<0.5	<0.5	<0.5	17	(A) (<u>A)</u> ((A)	772
4/24/2002			37.98	5.0	35.00		**	<50	<0.50	<0.50	<0.50	<0.50	39		
9/23/2002	P		37.98	5.0	35.00	12.22	25.76	<50.0	<0.500	<0.500	<0.500	<1.50	4.43	1.0	7.1
12/9/2002	Р		37.98	5.0	35.00	12.30	25.68	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	1.1	7
2/11/2003	P	e	37.98	5.0	35.00	10.80	27.18	<50	<0.50	<0.50	<0.50	<0.50	0.75	1.8	6.9
6/27/2003	NP		37.98	5.0	35.00	11,14	26.84	<50	<0.50	<0.50	<0.50	<0.50	6	0.9	6.4
09/04/2003		f	37.98	5.0	35.00		-		-					-	
11/17/2003	P		38.89	5.0	35.00	12.08	26.81	<50	<0.50	<0.50	<0.50	<0.50	0.86	1.8	6.8
03/01/2004	P	i	40.68	5.0	35.00	10.01	30.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	6.9
06/02/2004			40.68	5.0	35.00	11.38	29.30	<50	<0.50	<0.50	<0.50	<0.50	4.3	0.3	6.7
09/16/2004	NP		40.68	5.0	35.00	12.12	28.56	<50	<0.50	<0.50	<0.50	<0.50	1.5	0.1	6.9
12/07/2004	NP		40.68	5.0	35.00	12.00	28.68	<50	<0.50	<0.50	<0.50	<0.50	1.2	0.3	7.4
03/02/2005	NP		40.68	5.0	35.00	9.92	30.76	<50	<0.50	<0.50	<0.50	<0.50	1.5	0.8	7.0
06/20/2005	NP	Transmission and the second control of the s	40.68	5.0	35.00	10.49	30.19	<50	<0.50	<0.50	<0.50	<0.50	0.97	0.11	6.6
09/06/2005	NP		40.68	5.0	35.00	11.35	29,33	<50	<0.50	<0.50	<0.50	<1.5	0.79	0.7	7.0

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ;	g/L)	The state of the s		
Well and			TOC	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)	pН
AR-2 Cont.															
03/07/2006			40.68	5.0	35.00	9.92	30.76								100 110 0 3
9/7/2006	NP		40.68	5.0	35.00	10.69	29.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.31	6.7
3/6/2007			40.68	5.0	35.00	10.30	30.38		-		-		-		-
9/5/2007	NP		40.68	5.0	35.00	11.68	29.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	7.39
MW-1												-			
8/8/1986			38.36	5.0	30.00	11.25	27.11	7,040	132	8.7	439	230		-	-
12/24/1991	**		38.36	5.0	30.00	16.12	22,24	2,200	190	8.5	6.9	2.6	**		
3/10/1992	0.00		38.36	5.0	30,00	13.34	25.02	2,800	270	29	56	39			S = 6
6/9/1992			38.36	5.0	30.00	14.12	24,24	2,900	960	27	99	63			
9/14/1992			38.36	5.0	30.00	15.34	23.02	2,600	450	<5.0	45	21		-	- I
11/12/1992		No. of Control of the Control of	38.36	5.0	30.00	15.46	22.90	1,600	310	7.2	22	8.9			
2/11/1993	000,22000		38.36	5.0	30.00	11.95	26.41	4,000	510	47	200	91	9 00 00		S = 3
4/14/1993	**		38.36	5.0	30.00	11.65	26.71	1,700	260	20	100	70			**
8/12/1993		9 6 6 9 1 6 6 9 6 6	38.36	5.0	30.00	12.93	25.43	830	60	3.8	39	3.6	00 (20 🛥 (0. 3)	-	-
10/26/1993	H#		38.36	5.0	30.00	14.13	24.23	8,800	140	<10	41	<10		**	
2/17/1994	a a	(9) (3) (4) (4) (5) (5) (5) (6)	37.26	5.0	30.00	11.86	25.40	1,200	130	12	- 54	58	(a) (b) (b) (a)	() - ()	
5/3/1994			37.26	5.0	30.00	11.58	25.68					**			
8/17/1994		\$100 Balances 2019	37.33	5.0	30.00	12.78	24.55	3,900	86	5.1	78	9.4	8-10 - - 10 10	(1) (<u></u>)	(±
11/18/1994			37.33	5.0	30.00	12.31	25.02	6,350	112	8.4	107	35			
9/26/1995		47374 (0.7544)	37.26	5.0	30.00	11,26	26.00		-	(8 ((8 6)				-	l -
12/6/1995			37.26	5.0	30.00	12.16	25.10	4,100	0.86	0.46	0.38	0.92		***	
2/14/1996			37.26	5.0	30.00	8.53	28.73			0.56		0.82	60 S 5 S		
10/29/1996			37.26	5.0	30.00	10.23	27.03	130							+
1/29/1997	-		37.26	5.0	30.00	8.15	29.11	ර0	<0.3	<0.3	<0.3	<0.5	<20		-
4/30/1997			37.26	5.0	30.00	8.05	29.21	<20	<0.3	<0.3	<0.3	<0.5	<50		
7/31/1997			37.26	5.0	30.00	10.50	26.76	ර0	<0.3	<0.3	<0.3	<0.5	<20		-
10/22/1997			37.26	5.0	30.00	11.15	26.11	<50	<0.3	<0.3	<0.3	<0.5	<20		
1/28/1998	-	0.00.00.00.00.00.00.00	37.26	5.0	30.00	4.95	32.31	<50	<0.3	<0.3	<0.3	<0.5	<20		-
4/22/1998			37.26	5.0	30.00	8.10	29.16	<50	<0.3	<0.3	<0.3	<0.5	<20		
7/8/1998	-		37.26	5.0	30.00	8.02	29.24	ح50	<0.3	<0.3	<0.3	<0.5	40	6 6	(a) (a)

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Station #5387, 20200 Hesperian Blvd., Hayward, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)	The second secon		
Well and			TOC	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-1 Cont.															
10/22/1998			37.26	5.0	30.00	9.70	27,56	230	0.43	1.9	0.99	0.99	33		400 CT
1/13/1999	- ACRES S CARROLL I A SAROLLI I MARCINO.	r State of State of National State of S	37.26	5.0	30.00	9.60	27.66	<50	0.43	<0.3	<0.3	<0.5	<20		
4/29/1999		1	37.26	5.0	30.00	8.05	29,21	<50	<0.3	<0.3	<0.3	<0.5	31/17		
1/15/2002		#1557 D 4000 #4440 000 00 20 20 20 20 00 00 00 00 00 00 0	37.26	5.0	30.00	***	***	<50	<0.05	<0.5	<0.5	<0.5	21		
4/24/2002		j	37.26	5.0	30.00		8 4 4.0 E	160	1.5	<0.50	<0.50	<0.50	770	-	// <u></u>
09/23/2002		a	37.26	5.0	30.00							***			***
12/9/2002	P	b, d, j	37.26	5.0	30.00	11.22	26.04	998	<0.50	<0.50	<0.50	1.37	855/1310	2,2	7.0
2/11/2003	P	e	37.26	5.0	30.00	9.70	27.56	120	<0.50	<0.50	<0.50	<0.50	76	1.6	6.7
6/27/2003	P		37.26	5.0	30.00	10.10	27.16	<500	్రార్.0	<5.0	<5.0	6.0	170	8.0	6.8
09/04/2003		f	37.26	5.0	30.00	**	**			-		***			
11/17/2003	P	0.0000000000000000000000000000000000000	37.26	5.0	30.00	10.94	26.32	420	<0.50	<0.50	<0.50	<0.50	140	1.7	
03/01/2004	P	i	39.80	5.0	30.00	8.85	30.95	<50	<0.50	<0.50	<0.50	<0.50	14	2.1	6.5
06/02/2004	P		39.80	5.0	30.00	10.30	29.50	340	<2.5	<2.5	<2.5	<2.5	250	0.4	7.0
09/16/2004	P		39.80	5.0	30.00	11.02	28.78	<250	<2.5	<2.5	<2.5	<2.5	170	0.5	6.7
12/07/2004			39,80	5.0	30.00	10.83	28.97	<250	<2.5	<2.5	<2.5	<2.5	180	1.0	7.4
03/02/2005	P		39.80	5.0	30.00	8.62	31.18	50	<0.50	<0.50	<0.50	<0.50	24	1.8	6.8
06/20/2005	P		39.80	5.0	30.00	9.20	30.60	<50	<0.50	<0.50	<0.50	<0.50	2.2	0.08	7.5
09/06/2005	P		39.80	5.0	30.00	10.12	29.68	<50	<0.50	<0.50	<0.50	<1.5	3.5	0.1	6.8
03/07/2006	P	0.0000000000000000000000000000000000000	39.80	5.0	30.00	8.69	31,11	<50	<0.50	<0.50	<0.50	<0.50	4.7	0.5	6.8
9/7/2006	P		39.80	5.0	30.00	9.62	30.18	<50	<0.50	<0.50	<0.50	< 0.50	2.6	2.20	7.0
3/6/2007	NP		39.80	5.0	30.00	9.10	30.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	7.43
9/5/2007	P		39.80	5.0	30.00	10.55	29.25	<50	<0.50	<0.50	<0.50	<0.50	0.53	1.36	7.71
MW-2															
8/8/1986			38.58	5.00	30.00	11.62	26.96	1,910	20.1	2.8	1.8	90 (2 <u>11</u> 0)	d 19 <u>20</u> 15 45	_	
12/24/1991	***		38.58	5.00	30.00	16.50	22.08	23,000	1,500	1,100	480	1,400			
3/10/1992	60 (di 0) (di		38.58	5.00	30.00	13.50	25.08	210,000	44,000	3,900	1,700	5,800	S 80 00 8		
6/9/1992			38.58	5.00	30.00	14.52	24.06	33,000	2,300	370	780	2,600	-		
9/14/1992			38.58	5.00	30.00	15.78	22.80	16,000	3,700	10	470	1,000	30 S - 30 S	80 8	(4 5)
11/12/1992			38.58	5.00	30.00	15.98	22.60	16,000	3,800	86	470	910	-		
2/11/1993	-		38.58	5.00	30.00	12.27	26.31	27,000	3,500	720	1,600	380		-	7-7

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

				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)	pН
MW-2 Cont.															
4/14/1993			38.58	5.00	30.00	12.01	26.57	27,000	3,500	220	2,200	5,100			
8/12/1993			38.58	5.00	30.00	13.81	24.77	16,000	1,600	27	1,300	1,200		**	
10/26/1993			38.58	5.00	30.00	14.53	24.05	12,000	1,200	<25	510	330			<u></u>
2/17/1994			38.58	5.00	30.00	12.81	25.77	15,000	1,800	21	850	540			***
5/3/1994			38.58	5.00	30.00	12.63	25.95	<u>u</u>	<u> </u>					-	
8/17/1994		erride Anderstein Anderstein Angestein (Angestein Angestein)	37.99	5.00	30.00	13.69	24.30	14,000	850	13	640	270		**	
11/18/1994	S		38.06	5.00	30.00	13.18	24.88	14,900	640	3.4	532	156	-	(0) <u>11</u> 0 (0)	(00)
9/26/1995			37.99	5.00	30.00	12.23	25.76	5,100	40	25	2.5	18			
12/6/1995			37.99	5.00	30.00	12.82	25.17	810	34	23	11	11		(i) 44 (i)	22.0
2/14/1996			37.99	5.00	30,00	10.87	27.12	420	0.75	0.54	0.64	0.53			
10/29/1996	No. 10 10 100		37.99	5.00	30.00	12.95	25.04	670	1.7	1.3	0.6	8.0		16 -	-
1/29/1997			37.99	5.00	30.00	11.15	26.84	<50	<0.3	<0.3	<0.3	<0.5	<20		**
4/30/1997			37.99	5.00	30.00	11.09	26.90	<20	<0.3	<0.3	<0.3	<0.5	<50	-	
7/31/1997			37.99	5.00	30.00	11.70	26.29	330	<0.3	0.58	0.53	<0.5	<20		
10/22/1997			37.99	5.00	30.00	11.05	26.94	<50	<0.3	<0.3	<0.3	<0.5	<20	_	-
1/28/1998	***		37.99	5.00	30.00	9.50	28.49	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998			37.99	5.00	30.00	11.15	26.84	<50	<0.3	<0.3	<0.3	<0.5	<20	T 100 100 110 110 110 110 110 110 110 11	_
7/8/1998		# 17 F F F F F F F F F F F F F F F F F F	37.99	5.00	30.00	10.20	27.79	78	<0.3	<0.3	<0.3	<0.5	97	**	
10/22/1998			37.99	5.00	30.00	11.10	26.89	270	0.37	2	0.91	0.73	26		
1/13/1999			37.99	5.00	30.00	11.10	26.89	650	5.8	1	1.4	1.1	<20		**
4/29/1999		I	37.99	5.00	30.00	11.05	26.94	<50	<0.3	<0.3	<0.3	<0.5	23/16	400 🚅 🐬	0.20
1/15/2002	**		37.99	5.00	30.00			1,200	15	4.5	<0.5	<0.5	190		
4/24/2002	s	j	37.99	5.00	30.00		-	1,300	18	<10	<10	<10	170		0s
9/23/2002	Р		37.99	5.00	30.00	12.15	25.84	1,440	11,2	0.73	<0.500	<1.50	228	1.6	6.9
12/9/2002	P	b, d, j	37.99	5.00	30.00	12.20	25.79	1,770	8.08	0.694	2.47	3.79	529/902	6.2	6.7
2/11/2003	P	е	37.99	5.00	30.00	10.79	27.20	1,100	<0.50	<0.50	<0.50	0.53	71	1.2	6.8
6/27/2003	P		37.99	5.00	30.00	11.20	26.79	520	<0.50	<0.50	<0.50	<0.50	45	0.8	6.8
9/4/2003	P		37.99	5.00	30.00	11.84	26.15	500	<0.50	<0.50	<0.50	<0.50	28	1.2	6.9
11/17/2003	P		37.99	5.00	30.00	11.98	26.01	530	<0.50	<0.50	<0.50	<0.50	50	3.1	6.7
03/01/2004	P	i	40.51	5.00	30.00	10.05	30.46	890	<0.50	<0.50	<0.50	<0.50	36	3.1	6.6
06/02/2004	P		40.51	5.00	30.00	11.32	29.19	310	<0.50	<0.50	<0.50	<0.50	9,2	0.3	7.2

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #5387, 20200 Hesperian Blvd., Hayward, CA

	-			Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msi)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
MW-2 Cont.															
09/16/2004	P		40.51	5.00	30.00	12.01	28.50	400	<0.50	<0.50	<0.50	<0.50	4.0	0.2	6.8
12/07/2004	P		40.51	5.00	30.00	12.00	28.51	920	<5.0	<5.0	<5.0	<5.0	10	0.9	7.4
03/02/2005	P		40.51	5.00	30.00	9.92	30.59	180	<0.50	<0.50	<0.50	<0.50	4.4	1.7	6.9
06/20/2005	P	- 5-1000 C. (1000 1) (1000 1) (1000 1) (1000 1) (1000 1) (1000 1) (1000 1) (1000 1) (1000 1) (1000 1) (1000 1)	40.51	5.00	30.00	10.46	30.05	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.12	6.7
09/06/2005	P		40.51	5.00	30.00	11.28	29,23	440	<0.50	<0.50	<0.50	<1.5	2.5	0.2	6.7
03/07/2006	P		40.51	5.00	30.00	10.04	30.47	360	<0.50	<0.50	<0.50	<0.50	1.3	0.6	6.8
9/7/2006	P		40.51	5.00	30.00	10.77	29.74	280	<0.50	<0.50	<0.50	<0.50	1,2	2.23	6.9
3/6/2007	NP	. The control of the	40.51	5.00	30.00	10.32	30.19	140	<0.50	<0.50	<0.50	<0.50	0.73	2.16	7.31
9/5/2007	NP		40.51	5.00	30.00	11.67	28.84	200	<0.50	<0.50	<0.50	<0.50	<0.50	1.70	7.31
MW-3															
8/8/1986			37.77	5.0	30.0	10.61	27.16	7,450	510	549	409	1,380	_		
12/24/1991		23002.0005.0006.0005.2500005.20005.000005.000	37.77	5.0	30.0	15.60	22.17	6,800	450	10	610	45			
3/10/1992			37.77	5.0	30.0	12.90	24.87	11,000	2,500	75	400	560	——————————————————————————————————————		
6/9/1992		A STATE OF THE PARTY OF THE PAR	37.77	5.0	30.0	13.60	24.17	16,000	2,000	69	1,300	2,600			**
9/14/1992	0.000 <u>-0</u> 000		37.77	5.0	30.0	14.78	22.99	14,000	630	<50	1,500	2,400	11 min 201		1002100340
11/12/1992		Colora tradeconsidigues di reguesta i gundera de diacere da deputa de sidia	37.77	5.0	30.0	14.92	22.85	7,400	400	<25	860	330			
2/11/1993	6 8 <u>- 1</u> 80		37.77	5.0	30.0	11.65	26.12	8,600	580	<20	710	300	_	-	
4/14/1993			37.77	5.0	30.0	11.16	26.61	6,900	300	8.8	580	99		 	**
8/12/1993		3 (0) (2) (20 (0) (2) (2) (0)	37.77	5.0	30.0	12.82	24,95	3.400	56	<5	190	حة.	± 10 <u>±</u> 10	2	82.28
10/26/1993			37.77	5.0	30.0	13.60	24.17	2,900	42	<10	76	<10		**	
2/17/1994			36.80	5.0	30.0	11.53	25.27	3,100	160	<10	36	8.6	s	-	88
5/3/1994			36.80	5.0	30.0	11.36	25.44	2,300	44	<2.5	8	<2.5			
8/17/1994			36.87	5.0	30.0	12.38	24.49	1,900	7	<9.5	4.4	<5		/ 66 60	
11/18/1994			36.87	5.0	30.0	11.93	24.94	909	1.1	<0.5	0.9	4			
9/26/1995			36.80	5.0	30.0	10.96	25.84	410	1.3	1.9	2.3	3.3		_	_
12/6/1995			36.80	5.0	30.0	11.56	25.24		0.9	4.6	3	4.3			
2/14/1996	-		36.80	5.0	30.0	7.47	29.33	99	-	0.49	0.46	W. C.	-	-	Complete Streets
10/29/1996		AND THE PROPERTY OF THE PROPER	36.80	5.0	30.0	9.80	27.00	250	0.7	0.6				M (m	
1/29/1997			36.80	5.0	30.0	7.50	29.30	170	<0.3	<0.3	<0.3	<0.5	<20	550 776 153	_
4/30/1997	** ##	and the second of the second o	36.80	5.0	30.0	12.10	24.70	<20	<0.3	<0.3	<0.3	<0.5	<50	E (0587255000)	

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

Station #5387, 20200 Hesperian Blvd., Hayward, CA

	oranamasses de			Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)		333333	
Well and Sample Date	P/NP	Comments	TOC	Screen (ft bgs)	Screen (ft bgs)	DTW (feet bgs)	Elevation	GRO/ TPHg	Bonnone	Toluena	Ethyl-	Total	MTDE	DO	
	P/NP	Comments	(feet msl)	(it ogs)	(It bgs)	(reer ogs)	(feet msl)	IPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pH
MW-3 Cont.															
7/31/1997			36.80	5.0	30.0	9,90	26.90	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-
10/22/1997			36.80	5.0	30.0	12.10	24.70	<50	<0.3	<0.3	<0.3	<0.5	<20	***	
1/28/1998			36.80	5.0	30.0	7.50	29.30	<50	<0.3	<0.3	<0.3	<0.5	<20		
4/22/1998		200 (5) (600 (1000) (5) (600) (5) (600)	36.80	5.0	30.0	12.30	24.50	<50	<0.3	<0.3	<0.3	<0.5	<20		
7/8/1998		8 0 2 0 2 0 0 0	36.80	5.0	30.0	8.30	28.50	<50	<0.3	<0.3	<0.3	<0.5	-5	<u> 20</u>	200 <u>26</u> 50
10/22/1998		Sand threath Month Annie and Annie and Andrew Marketine and Annie	36.80	5.0	30.0	9.10	27.70	<50	<0.3	<0.3	<0.3	<0.5	<5		***
1/13/1999			36.80	5.0	30.0	9.50	27.30	<50	<0.3	<0.3	<0.3	<0.5	<20	_	
4/29/1999		The second secon	36.80	5.0	30.0	5.93	30.87	<50	<0.3	0.35	<0.3	<0.5	<5	an gayay amamangay.	
1/15/2002		A calculation and the officers of	36.80	5.0	30.0	60 - 8 - 8 - 8	8 800 - 0 0	<50	<0.5	<0.5	<0.5	<0.5	7.9		
4/24/2002		j	36.80	5.0	30.0			<50	<0.50	<0.50	<0.50	<0.50	<0.50		
9/23/2002	P		36.80	5.0	30.0	10.30	26.50	<50.0	<0.500	<0.500	<0.500	<1.50	<0.500	1.0	6.9
12/9/2002	P		36.80	5.0	30.0	10.38	26.42	<50.0	<0.500	<0.500	<0.500	<1.00	<5.00	1.7	6.7
2/11/2003	P	e	36.80	5.0	30.0	8.85	27.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.7
6/27/2003			36.80	5.0	30.0	9.12	27.68	<50	<0.50	<0.50	<0.50	<0.50	0.61	0.9	6.8
9/4/2003		Section 1 and the real	36.80	5.0	30.0	9.85	26.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	6.9
11/17/2003		h, n	36.63	5.0	30.0	9.93	26.70					***		***	
03/01/2004	_	i, n	38.72	5.0	30.0	7.95	30.77	_	-		_		-	-	2
06/02/2004		n	38.72	5.0	30.0	9.25	29.47								
09/16/2004	P		38,72	5.0	30.0	9.95	28.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.4	6.8
12/07/2004	**	n	38.72	5.0	30.0	9.90	28.82	-							**
03/02/2005		n	38.72	5.0	30.0	7.86	30.86	-	-	-			<u> </u>		2
06/20/2005		n	38.72	5.0	30.0	8.38	30.34								
09/06/2005	P	a designation de	38.72	5.0	30.0	9.25	29.47	<50	<0.50	<0.50	<0.50	<1.5	<0.50	0.3	6.8
03/07/2006	ere		38.72	5.0	30.0	7.86	30.86								
9/7/2006			38.72	5.0	30.0	8.66	30.06	-	-	-	-	S-0-1	# 0 0 0	-	(() (()
3/6/2007		Tourist framework the research the state of	38.72	5.0	30.0	8.20	30.52		*-		***				
9/5/2007			38.72	5.0	30.0	9.45	29.27	-	-		-		8 6 - 9 6		

SYMBOLS AND ABBREVIATIONS:

- --/-- Not analyzed/applicable/measured/available
- < = Not detected at or above specified laboratory reporting limit
- ND = Not detected at or above laboratory reporting limit
- DO = Dissolved oxygen
- DTW = Depth to water in ft bgs
- ft bgs = Feet below ground surface
- It 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
- NP/P = Well not purged/purged prior to sampling
- TOC = Top of casing in ft MSL
- TPH-g = Total petroleum hydrocarbons as gasoline
- μg/L = Micrograms per liter

FOOTNOTES:

- a = Well inaccessible.
- b = The analyte concentration may be artificially elevated due to coeluting compounds or components.
- c = The closing calibration was outside acceptance limits by 2%. This should be considered in evaluating the results. The average % difference for all analytes met the 15% requirement and the QC suggests that the calibration linearity is not a factor.
- d = Estimated value. The reported value exceeds the calibration range of the analysis.
- e = TPH-g, benzene, toluene, ethylbenzene, total xylenes, and MTBE analyzed by EPA method 8260B beginning first quarter monitoring event (2/11/03).
- f = Unable to gauge because the bolt was warped on the well head.
- h = Well MW-3 TOC was lowered by 0.17 ft during repairs on 11/14/03.
- i = Well surveyed to NAVD'88 datum on 2/23/04.
- j = Analyzed by EPA Method 8260B.
- k = Obstruction in well removed.
- l = Analytical results as measured by EPA Methods 8020 / 8260.
- m = Well sampled semi-annually (1st and 3rd quarters).
- n = Well sampled annually (3rd quarter).
- o = Well dry.
- p = No purge protocol well. Well was purged and sampled in error,

NOTES:

Data for DO and pH were obtained through field measurements.

MTBE analyzed by EPA Method 8021B unless otherwise noted (prior to 2/11/03) and TPH-g by EPA Method 8015B Modified (prior to 2/11/03).

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

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

Top and bottom of screen depths for the following wells were derived from cross-sections since the well logs were not available: A-4, A-5, A-7, A-8, A-9, and AR-1.

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 #5387, 20200 Hesperian Blvd., Hayward, CA

Well and		The state of the s	·····		ons in (µg/L)	zoo Hesper		***************************************	
Sample Date	Ethanol	TBA	МТВЕ	DIPE	ЕТВЕ	TAME	1,2-DCA	EDB	Comments
A-4									
2/11/2003	<100	<20	0.53	<0.50	<0.50	<0.50	-		
6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/4/2003		-	<0.50			-	-		
03/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	200 May 100 May 100 May 11 May
09/06/2005	<150	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-5							ęă.		
2/11/2003	<100	<20	0.97	<0.50	<0.50	<0.50	-		
6/27/2003	<100	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
9/4/2003	<100	<20	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2004	<100	<20	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	a
09/16/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	and other times and engineering the second of the second o
03/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	<10	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	
A-6									
2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-		
6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	No. (As A decimal and a second
09/06/2005	<150	<10	<0.50	<0,50	<0.50	<0.50	<0.50	<0.50	
A-7									
2/11/2003	<100	<20	21	<0.50	6.5	<0.50			
6/27/2003	<100	<20	9.4	<0.50	<0.50	2.1	<0.50	<0.50	
9/4/2003	<100	<20	3.4	<0.50	<0.50	0.86	<0.50	<0.50	
11/17/2003	<100	<20	1.4	<0.50	<0.50	<0.50			b
03/01/2004	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	a ·
06/02/2004	<100	<20	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	200 AAAAAAAAAAA 7777A YOO AAAAAAAAAAAAAAAAA
09/16/2004	<100	<20	1.0	<0.50	<0.50	<0.50	<0,50	<0.50	
12/07/2004	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data Station #5387, 20200 Hesperian Blvd., Hayward, CA

Well and					ons in (µg/L)	200 Hesper	······································		
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
A-7 Cont.			A						
03/02/2005	<100	<20	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
06/20/2005	<100	<20	6,0	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/7/2006	<300	<20	0.80	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-8									
2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50			
6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2004	<100	<20	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	g
09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/02/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	The second secon
09/06/2005	<150	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
A-9									
2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50		-	
6/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/01/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1
A-10			VALUEALAMAN					ARTICLA ARTICLA PARTICLA PARTI	
2/11/2003	<100	<20	1.9	<0.50	<0.50	<0.50			
6/27/2003	<100	<20	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	a
9/4/2003	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2004	<100	<20	0.84	<0.50	<0.50	<0.50	<0.50	<0.50	######################################
AR-I									
2/11/2003	<100	<20	4.7	<0.50	<0.50	<0.50		<u></u>	
6/27/2003	<100	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	g
11/17/2003	<100	<20	1.4	<0.50	<0.50	<0.50		-	b

Table 2. Summary of Fuel Additives Analytical Data Station #5387, 20200 Hesperian Blvd., Hayward, CA

Well and		e e e e e e e e e e e e e e e e e e e	4		ons in (µg/L)	200 Ixesper			
Sample Date	Ethanol	TBA	MTBE	DIPE	ЕТВЕ	TAME	1,2-DCA	EDB	Comments
AR-1 Cont.									
03/01/2004	<100	<20	8.6	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/02/2004	<100	<20	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	
09/16/2004	<100	<20	3.2	<0.50	<0.50	<0.50	<0.50	<0.50	
12/07/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/02/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
06/20/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/7/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
AR-2									
2/11/2003	<100	<20	0.75	<0.50	<0.50	<0.50	-		
6/27/2003	<100	<20	6	<0.50	<0.50	2.6	<0.50	<0.50	a
11/17/2003	<100	<20	0.86	<0.50	<0.50	<0.50			b
03/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/02/2004	<100	<20	4.3	<0.50	<0.50	2.2	<0.50	<0.50	
09/16/2004	<100	<20	1.5	<0.50	<0.50	0.79	<0.50	<0.50	
12/07/2004	<100	<20	1.2	<0.50	<0.50	0.57	<0.50	<0.50	
03/02/2005	<100	<20	1.5	<0.50	<0.50	0.66	<0.50	<0.50	
06/20/2005	<100	<20	0.97	<0.50	<0.50	0.53	<0.50	<0.50	
09/06/2005	<150	<10	0.79	<0.50	<0.50	<0.50	<0.50	<0.50	A with management at each of a minute desired control with a control of the contr
9/7/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
MW-1									
2/11/2003	<100	<20	76	<0.50	<0.50	<0.50			
6/27/2003	<1,000	<200	170	<0.50	<5.0	<5.0	<5.0	<5.0	
11/17/2003	<100	<20	140	<0.50	<0.50	1.7			Ď
03/01/2004	<100	<20	14	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/02/2004	<500	<100	250	<2.5	<2.5	<2.5	<2.5	<2.5	
09/16/2004	<500	<100	170	<2.5	<2.5	<2.5	<2.5	<2.5	
12/07/2004	<500	<100	180	<2.5	<2.5	<2.5	<2.5	<2.5	

Table 2. Summary of Fuel Additives Analytical Data Station #5387, 20200 Hesperian Blvd., Hayward, CA

Well and				Concentration	ons in (µg/L)		AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-1 Cont.								- AA-vaa muutaa-va	
03/02/2005	<100	66	24	<0.50	<0.50	<0.50	<0.50	<0.50	
06/20/2005	<100	<20	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	21	3.5	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2006	<300	<20	4.7	<0.50	<0.50	<0.50	<0.50	<0.50	
9/7/2006	<300	<20	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	C C
3/6/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2007	<300	<20	0.53	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-2							A		
2/11/2003	<100	<20	71	<0.50	<0.50	13	- A		
6/27/2003	<100	<20	45	<0.50	<0.50	5.4	<0.50	<0.50	
9/4/2003	<100	<20	28	<0.50	<0.50	3.8	<0.50	<0.50	
11/17/2003	<100	30	50	<0.50	<0.50	6.2			b
03/01/2004	<100	49	36	<0.50	<0.50	6.2	<0.50	<0.50	a
06/02/2004	<100	<20	9.2	<0.50	<0.50	1.7	<0.50	<0.50	
09/16/2004	<100	<20	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	
12/07/2004	<1,000	<200	10	<5.0	<5.0	<5.0	<5.0	<5.0	
03/02/2005	<100	75	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	
06/20/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	<10	2.5	<0.50	<0.50	1.1	<0.50	<0.50	
03/07/2006	<300	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	2 () () () () () () () () () (
9/7/2006	<300	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	C
3/6/2007	<300	<20	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									
2/11/2003	<100	<20	<0.50	<0.50	<0.50	<0.50			
6/27/2003	<100	<20	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	
9/4/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0,50	<0.50	
09/16/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS AND ABBREVIATIONS:

-- = Data not available, analyzed, applicable, or sampled

< = Not detected at or above specified laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

g/L = Micrograms per Liter

FOOTNOTES:

a = The continuing calibration verification was outside of client contractual acceptance limits by 11.7% low. However, it was within method acceptance limits. The data should be useful for its intended purpose.

b = The result was reported with a possible low bias due to continuing calibration verification falling outside the acceptance criteria.

c = Calib. verif. is within method limits but outside contract limits.

NOTES:

All fuel oxygenate compounds 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.

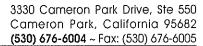
Table 3. Historical Ground-Water Flow Direction and Gradient Station #5387, 20200 Hesperian Blvd., Hayward, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
4/24/2002		
9/23/2002	West	0.004
12/9/2002	West	0.003
2/11/2003	West	0.007
6/27/2003	West	0.005
9/4/2003	West	0.005
11/17/2003	West	0.003
3/1/2004	West	0.008
6/2/2004	West	0.005 The second second 0.005
9/16/2004	Southwest to West	0.004
12/7/2004	West	0.006
3/2/2005	West	0.01
6/20/2005	West	0.006
9/6/2005	West	0.006
3/7/2006	West-Northwest	0.008
9/7/2006	West	0.007
3/6/2007	Northwest	0.02
9/5/2007	West	0.005

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 ENVIRONMENTAL, INC. GROUNDWATER SAMPLING DATA PACKAGE (INCLUDES FIELD DATA SHEETS, NON-HAZARDOUS WASTE DATA FORM, CERTIFIED ANALYTICAL RESULTS, AND CHAIN OF CUSTSODY DOCUMENTATION)





3. .

September 24, 2007

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

Re: Groundwater Sampling Data Package, BP Service Station No. 5387, located at 20200

Hesperian Boulevard, Hayward, 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: September 5, 2007

Arrival: 09:30 Departure: 13:20

Weather Conditions: Overcast Unusual Field Conditions: None

Scope of Work Performed: Quarterly monitoring and sampling

Variations from Work Scope: None noted

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.

No. 5867

Broject 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

AL 930	DP 131	HYDROLOGIC DATA SHEET
Gauge Date:	9-5-07	Project Name; Hayward - 20200 Hesperian Bivd.
Field Technician:	Jarry	Project Number: 5387

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

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

WELL OR LOCATION	TIME	MEASUREMENT						PURGE & SAMPLE	SHEEN CONFIRMATION	COMMENTS
		тос	DTP	DTW	DTB	DIA	ELEV		(w/bailer)	
NW-1	1042			10,55	28.18					
1411-2	10:17			11.67	2 7 65					
MW3	1039			9.45	27.75					
A-4	10:08			17,65	3445					
1-5	10:22			12.09	2950					
19.6	10:0]				3420					
A=7	9:53			12,44	3477					
A-8	10:14			10.18	3328					
A-9	10:00			11.85	37 of					
A-10	9.49			1308	32,90					
	10:00			/0.ንፇ						
A 12-2	10176			11.68	3502					
								,		
		····								

BP ALAMEDA PORTFOLIO							
WATER SAMPLE FIELD DATA SHEET							
PROJECT #: 5387 CLIENT NAME: LOCATION: Hayward - 20200 Hesperian	PURGED BY: SAMPLED BY: Blvd.	35	SAMPL	WELL I.D.: MW / SAMPLE I.D.: MW / QA SAMPLES:			
DATE PURGED 9.5.07 DATE SAMPLED 9.5.07 SAMPLE TYPE: Groundwater x	SAMPLE TIME (24	START (2400hr) / O'S 4 SAMPLE TIME (2400hr) / O'S S Surface Water Treatment Effluer			END (2400hr) / 5 6 -		
CASING DIAMETER: 2" (0.17)	3" 4"		1.02) 6" (1.50)	8" (2.60)	Other ()		
DEPTH TO BOTTOM (feet) = 200 Company 200 C	5.78 6	CAI	SING VOLUME (gal) = LCULATED PURGE (g TUAL PURGE (gal) =	D PURGE (gal) = 7.9			
	FIELD ME	EASUREMENTS					
SAMPLE DEPTH TO WATER: 10.55	(degrees F)	CONDUCTIVITY (umhos/cm) 7 0 3	pH (units)	COLOR (visual) C/eot BDITY: C/	TURBIDITY (NTU)		
80% RECHARGE: YES NO	ANALY	'SES:					
	ESSEL / PRESERVATI	VE: <u>\\/</u>	sur HCC				
PURGING EQUIPMENT Bladder Pump Bailer (I Centrifugal Pump Bailer (F Submersible Pump Bailer (S Peristalic Pump Dedicate Other: Pump Depth:	VC) tainless Steel)	SAMPLING EQUIPMENT Bladder Pump Centrifugal Pump Submersible Pump Peristalic Pump Dedicated Other:					
WELL INTEGRITY: 600 A			LOCK#:	Letter 5 1 1	<u> </u>		
SIGNATURE:					Page of		

В.	P ALAMEDA PO	PRTFOLIO	
WAT	FER SAMPLE FIELI	D DATA SHEET	No. of the last of
	PURGED BY: 3	WELL I.D.: / SAMPLE I.D.: / QA SAMPLES:	
	START (2400hr) //: SAMPLE TIME (2400hr) Surface Water	77:36	//:3ラ .
CASING DIAMETER: 2" (0.17)	3" 4" (0.38) (0.67)	5" 6" 8" (2)	Other ()
DEPTH TO BOTTOM (feet) = 2.7. DEPTH TO WATER (feet) = //. © WATER COLUMN HEIGHT (feet) = /.5.	65 57 2	CASING VOLUME (gal) = CALCULATED PURGE (gal) = ACTUAL PURGE (gal) =	2.7 Z:/
	FIELD MEASUREN	MENTS	
DATE TIME (2400hr) (gal) 9.5-07 1/37	2/. 2 E	os/cm) (units) (visua SS 5.3/	l) (NTU)
SAMPLE DEPTH TO WATER:	SAMPLE INFORMA	SAMPLE TURBIDITY:	<u> </u>
80% RECHARGE: YES NO ODOR: SAMPLE VESS	ANALYSES:EL/PRESERVATIVE:	S-WD 5 Dou HCC	
PURGING EQUIPMENT Bladder Pump Bailer (Tefle Centrifugal Pump Bailer (PVC Submersible Pump Peristalic Pump Other: Pump Depth: WELL INTEGRITY:	r) nless Steel)	SAMPLING EQUIPMENT Bladder Pump Centrifugal Pump Submersible Pump Peristalic Pump LOCK#: LOCK#:	n) PVC ordisposable) ess Steel)
REMARKS: 1.70			Page of

	BP ALAMEDA PO	RTFOLIO	
W.	ATER SAMPLE FIELI	D DATA SHEET	
PROJECT #: 5387 CLIENT NAME: LOCATION: Hayward - 20200 Hesperian	PURGED BY: C SAMPLED BY: S Blvd.	SAMP	LE I.D.: 4 - 7 AMPLES:
DATE PURGED 9-5-05 DATE SAMPLED 9-5-05 SAMPLE TYPE: Groundwater x	START (2400hr) // . SAMPLE TIME (2400hr) Surface Water	Treatment Effluent	2400hr) Other
CASING DIAMETER: 2" (0.17)	3" 4" (0.67)	5" 6" (1.50)	8" Other (2.60)
DEPTH TO BOTTOM (feet) = 3 1/2 DEPTH TO WATER (feet) = 1 3 WATER COLUMN HEIGHT (feet) = 2 4	77 3.44 3	CASING VOLUME (gal) CALCULATED PURGE (ACTUAL PURGE (gal) =	$(gal) = \frac{243}{}$
	FIELD MEASUREN	MENTS	<i>y</i>
DATE TIME (2400hr) (gal) 9-5-97 //:23	21.0 9. 77 J	os/cm) (units) 5.37	COLOR TURBIDITY (visual) (NTU) Colorinal
SAMPLE DEPTH TO WATER: 13,4	SAMPLE INFORMA	SAMPLE TUR	BIDITY: C/car
80% RECHARGE: YES NO ODOR: SAMPLE VE	ANALYSES:	SW-0 Vou-Hec	
Peristalic Pump Dedicated Other: Pump Depth:	VC) tainless Steel) d	Centrifugal Pump Submersible Pump Peristalic Pump D	ailer (Teflon) ailer (PVC or disposable) ailer (Stainless Steel) edicated
WELL INTEGRITY: SOBY REMARKS: 131		LOCK#:	Page of

BP ALAMEDA	PORTFOLIO
WATER SAMPLE FII	ELD DATA SHEET
PROJECT #: 5387 PURGED BY: 3 CLIENT NAME: SAMPLED BY: 3 LOCATION: Hayward - 20200 Hesperian Blvd.	WELL I.D.: 12-/ SAMPLE I.D.: 12-/ QA SAMPLES:
DATE PURGED 9.5.07 START (2400hr) / DATE SAMPLED 9.5.07 SAMPLE TIME (2400hr) SAMPLE TYPE: Groundwater x Surface Water	2:02 END (2400hr)
CASING DIAMETER: 2^n 3^n 4^n Casing Volume: (gallons per foot) (0.17) (0.38) (0.6)	5" $6"$ $8"$ Other (1.02) (1.50) (2.60)
DEPTH TO BOTTOM (feet) = 33.50 DEPTH TO WATER (feet) = /0.77 WATER COLUMN HEIGHT (feet) = 23.7	CASING VOLUME (gal) = 3 /. () CALCULATED PURGE (gal) = /0 2. 2 ACTUAL PURGE (gal) = /0 3. 0
FIELD MEASU	REMENTS
(2400hr) (gal) (degrees F) (u 9-5-67 /2:/2 34,3 2/.6 9 /2:22 (9.0 22.2 9 /2:35 /03.0 23./ 9 SAMPLE INFOR	
SAMPLE DEPTH TO WATER: / 2 8 0	SAMPLE TURBIDITY: C/a
80% RECHARGE: YES NO ANALYSES: ODOR: SAMPLE VESSEL / PRESERVATIVE:	SWO
PURGING EQUIPMENT Bladder Pump Bailer (Teflon) Centrifugal Pump Bailer (PVC) Submersible Pump Bailer (Stainless Steel) Peristalic Pump Dedicated Other: Other:	SAMPLING EQUIPMENT Bladder Pump Centrifugal Pump Submersible Pump Peristalic Pump Dedicated SAMPLING EQUIPMENT Bailer (Teflon) Bailer (PVC or disposable) Bailer (Stainless Steel) Dedicated
WELL INTEGRITY: 500/ REMARKS: DO 2.23	LOCK#: Master Page of

ž A

BP ALAMEDA PORTFOLIO WATER SAMPLE FIELD DATA SHEET WELLID: AR-2 PROJECT#: 5387 PURGED BY: SAMPLED BY: CLIENT NAME: SAMPLE I.D.: Hayward - 20200 Hesperian Blvd. LOCATION: QA SAMPLES: 9.5.07 START (2400hr) END (2400hr) DATE PURGED SAMPLE TIME (2400hr) DATE SAMPLED SAMPLE TYPE: Groundwater Surface Water Treatment Effluent CASING DIAMETER: Other (0.17) (0.38) Casing Volume: (gallons per foot) (1.02) (2.60)DEPTH TO BOTTOM (feet) = CASING VOLUME (gal) = DEPTH TO WATER (feet) = CALCULATED PURGE (gal) = WATER COLUMN HEIGHT (feet) = ACTUAL PURGE (gal) = FIELD MEASUREMENTS DATE TIME VOLUME CONDUCTIVITY COLOR TURBIDITY TEMP. рH (2400hr) (degrees F) (umhos/cm) ¿(units) (NTU) (visual) 70.8 10 W SAMPLE INFORMATION SAMPLE DEPTH TO WATER; //68 SAMPLE TURBIDITY: C/CM <-W-0 80% RECHARGE: ✓ YES ANALYSES: SAMPLE VESSEL/PRESERVATIVE: 3 104.14 cc PURGING EQUIPMENT SAMPLING EQUIPMENT Bladder Pump Bailer (Teflon) Bladder Pump Bailer (Teflon) Centrifugal Pump Bailer (PVC) Centrifugal Pump Bailer (____ PVC or ___ disposable) Submersible Pump Bailer (Stainless Steel) Submersible Pump Bailer (Stainless Steel) Peristalic Pump Dedicated Peristalic Pump Dedicated Other: Other: Pump Depth: LOCK#: MAKSTER WELL INTEGRITY: SIGNATURE:

Wellhead Observation Form

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late: 95.97

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NON-HAZARDOUS WASTE DATA FORM

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Page 1	of	1

A BP affiliated company

Chain of Custody Record

Project Name: BP 5387
BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > CA > Alameda>5387

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

On-site Time: 930	Temp: 6 5
Off-site Time: / 3 20	Temp: 53
Sky Conditions: ロレッチ CGST	
Meteorological Events: 1616	4
Wind Speed: 3	Direction: S W

Lab N	lame: TestAmerica						BP/AR Facility No.	.;	53	387		·····				·····	····		Cons	ultan	t/Con	ıtracı	tor.		Stratus Environn	iental. Inc.		
Addre	ss: 885 Jarvis Drive						BP/AR Facility Add	dress	;	202	00 H	spei	ian Bly	'd.,	Hay	war	ď		Addr						on Park Drive,			
Моге	an Hill, CA 95937						Site Lat/Long:												Cameron Park, CA 95682									
·	M: Lisa Race						California Global II	O #:	TO	6001	0136	}	***************************************						Consultant/Contractor Project No.: E5387-04									
Tole/i	ax: 408-782-8156 408-782-6308	s (fax)					Enfos Project No.:	Ģ(C52	-001	7								Consultant/Contractor PM: Jay Johnson									
BP/A	R PM Contact: Paul Supple	J. J					Provision or RCOP	Provision or RCOP (circle one) Provision						Tele/Fax: (530) 676-6000 / (530) 676-6005														
Addre	ess: 2010 Crow Canyon Place, Suite	: 150					Phase/WBS:	Phase/WBS: 04-Monitoring Re						Repo	nt Ty				·		I with EDF	,						
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Lab	Bottle Order No:				Mat	rix				P	resci	vatř	ve -]	Requ	ested	Ans	lysis							
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Samp	oler's Name: Terry 6.	E 12	N				Marie							= =	-	با إسب	15				/		17.1	1		U5-57		45
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Speci	al Instructions:	Please	cc resul	ts to): rm	iller@	broadbentinc.com																		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Custody Seals in Place: Yes / N	lo	Tenq	Bl:	ink:	Yes/1	No] Cooler	Гет	p on	Rec	eipt:	on and a second second	°F/C			Tri	ip B	lank	: Yes	: / No)		MS	MS	D Sample Subr	nitted: Yes	/ No	



20 September, 2007

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

RE: ARCO #5387, Hayward, CA Work Order: MQI0130

Enclosed are the results of analyses for samples received by the laboratory on 09/05/07 20:10. 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] Project: ARCO #5387, Hayward, CA MQI0130
3330 Cameron Park Dr., Suite 550 Project Number: G0C52-0017 Reported:
Cameron Park CA, 95682 Project Manager: Jay Johnson 09/20/07 14:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQI0130-01	Water	09/05/07 10:55	09/05/07 20:10
MW-2	MQI0130-02	Water	09/05/07 11:36	09/05/07 20:10
A-7	MQI0130-03	Water	09/05/07 10:22	09/05/07 20:10
AR-1	MQI0130-04	Water	09/05/07 12:55	09/05/07 20:10
AR-2	MQI0130-05	Water	09/05/07 11:50	09/05/07 20:10
TB 5387-9507	MQI0130-06	Water	09/05/07 05:00	09/05/07 20:10

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 #5387, Hayward, CA

Project Number: G0C52-0017
Project Manager: Jay Johnson

MQI0130 Reported: 09/20/07 14:24

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 (MQI0130-01) Water	Sampled: 09/05/07 10:55	Received:	09/05/07 2	0:10					
Gasoline Range Organics (C4-C	12) ND	50	ug/l	1	7115001	09/15/07	09/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-	d4	101 %	60-1.	25	11	"	rr	и	
Surrogate: Dibromofluorometha	ine	95 %	75-1.	20	"	"	"	**	
Surrogate: Toluene-d8		99 %	80-1.	20	n	#	n	#	
Surrogate: 4-Bromofluorobenzes	ne	96 %	60-1.	35	n	n	u	#	
MW-2 (MQI0130-02) Water	Sampled: 09/05/07 11:36	Received:	09/05/07 2	0:10					
Gasoline Range Organics (C4-	C12) 200	50	ug/l	1	7115001	09/15/07	09/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-	d4	105 %	60-12	25	11	n	п	ri .	
Surrogate: Dibromofluorometha	me	100 %	75-12	20	"	31	n	"	
Surrogate: Toluene-d8	· •	101 %	80-12	20	"	"	"	n	
Surrogate: 4-Bromofluorobenzei	ne	109 %	60-13	35	"	"	"	"	
A-7 (MQI0130-03) Water Sa	mpled: 09/05/07 10:22 R	eceived: 09/	05/07 20:1	0					
Gasoline Range Organics (C4-C	12) ND	50	ug/l	1	7115001	09/15/07	09/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-	1 4	100 %	60-12	25	u	p	H	"	
Surrogate: Dibromofluorometha	ne	99 %	75-12	20	11	"	II	"	
Surrogate: Toluene-d8		96 %	80-12	20	"	"	p	n	
Surrogate: 4-Bromofluorobenzei	пе	92 %	60-13	35	u	IJ	n	"	
AR-1 (MQI0130-04) Water S	Sampled: 09/05/07 12:55	Received: 0	9/05/07 20:	:10					
Gasoline Range Organics (C4-C	12) ND	50	ug/l	1	7115001	09/15/07	09/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-a	14	105 %	60-12	25	"	"	**	u	
Surrogate: Dibromofluorometha	ne	98 %	75-12	20	"	"	н	**	
Surrogate: Toluene-d8		97 %	80-12	20	"	"	n	"	
Surrogate: 4-Bromofluorobenzei	пе	89 %	60-13	35	v	19	u	"	





Project: ARCO #5387, Hayward, CA

Project Number: G0C52-0017 Project Manager: Jay Johnson MQI0130 Reported: 09/20/07 14:24

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AR-2 (MQI0130-05) Water Sampled: 09	/05/07 11:50	Received: 0	9/05/07 20:	10					
Gasoline Range Organics (C4-C12)	ND	50	ug/l]	7115001	09/15/07	09/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		107 %	60-12	5	11	"	"	ŋ	
Surrogate: Dibromofluoromethane		97 %	75-12	0	"	"	"	n .	
Surrogate: Toluene-d8		96 %	80-12	0	u	"	#	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-13	5	u	и	H	"	



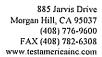


Project: ARCO #5387, Hayward, CA

Project Number: G0C52-0017 Project Manager: Jay Johnson MQI0130 Reported: 09/20/07 14:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-1 (MQI0130-01) Water	Sampled: 09/05/07 10:55	Received:	09/05/07 2	0:10					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7115001	09/15/07	09/15/07	EPA 8260B	
Benzene	ND	0.50	U	I+	a	#	łı	н	
tert-Butyl alcohol	ND	20	11	17	U	ti	ŧı	н	
Di-isopropyl ether	ND	0.50	It	l+	0	ti	U	н	
1,2-Dibromoethane (EDB)	ND	0.50	н	И	ņ	0	I)	Ħ	
1,2-Dichloroethane	ND	0.50	н	н	O	U	н	0	
Ethanol	ND	300	н	H	Ħ	It	l)	U	
Ethyl tert-butyl ether	ND	0.50	þ	ŧI	H	н	И	U	
Ethylbenzene	ND	0.50	Ħ	Ħ	41	И	Ħ	tł:	
Methyl tert-butyl ether	0.53	0.50	U	ø	ŧI	М	11	H	
Toluene	ND	0.50	U	D	U	tı	10	н	
Xylenes (total)	ND.,	0.50	IF	lt		tı	II.	н	
Surrogate: Dibromofluoromethal	ne	95 %	75-12	20	"	"	"	11	
Surrogate: 1,2-Dichloroethane-a	14	101 %	60-12	25	"	n .	"	u	
Surrogate: Toluene-d8		99 %	80-12	20	"	n	"	n	
Surrogate: 4-Bromofluorobenzen	ne	96 %	60-13	35	"	"	"	n	
MW-2 (MQ10130-02) Water	Sampled: 09/05/07 11:36	Received:	09/05/07 2	0:10					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7115001	09/15/07	09/15/07	EPA 8260B	
Benzene	ND	0.50	IF .	It .	Q	0	II.	ŧ1	
tert-Butyl alcohol	ND	20	IF	н	e	0	lt .	Œ	
Di-isopropyl ether	ND	0.50	h	и	R	tt	И	O.	
1,2-Dibromoethane (EDB)	ND	0.50	þi	11	и	R	и	U	
1,2-Dichloroethane	ND	0.50	n	n	н	и	И	It .	
Ethanol	ND	300	Ħ	n	н	H	11	It	
Ethyl tert-butyl ether	ND	0.50	ţ1	a	łı	и	स	и	
Ethylbenzene	ND	0.50	#	0	Ħ	Ħ	ti ti	lı	
Methyl tert-butyl ether	ND	0.50	0	0	n	PI .	"	и	
Toluene	ND	0.50	0	U	y	U	n	H	
Xylenes (total)	ND	0.50	0	tr	0	91	D	ti .	
Surrogate: Dibromofluoromethan	пе	100 %	75-12	20	"	n	"	v	
Surrogate: 1,2-Dichloroethane-d	14	105 %	60-12	?5	"	u	"	n	
Surrogate: Toluene-d8		101 %	80-12	20	"	u	"	и	
Surrogate: 4-Bromofluorobenzen	ne	109 %	60-13		"	"	"	"	
- ·									





Project: ARCO #5387, Hayward, CA

Project Number: G0C52-0017 Project Manager: Jay Johnson MQI0130 Reported: 09/20/07 14:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
A-7 (MQI0130-03) Water	Sampled: 09/05/07 10:22	Received: 09/	/05/07 20:1	0					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7115001	09/15/07	09/15/07	EPA 8260B	
Benzene	ND	0.50	H.	If	O	(1	U	n	
tert-Butyl alcohol	ND	20	и	н	H	u	R	n	
Di-isopropyl ether	ND	0.50	Ħ	n	И	If	И	U	
1,2-Dibromoethane (EDB)	ND	0.50	ø	0	Ħ	н	Ħ	H	
1,2-Dichloroethane	ND	0.50	O	17	11	#1	ti	М	
Ethanol	ND	300	P	11	u	0	11	μ	
Ethyl tert-butyl ether	ND	0.50	н	н	It	O	II .	n	
Ethylbenzene	ND	0.50	n	11	н	rt .	IF	0	
Methyl tert-butyl ether	ND	0.50	ø	0	Ħ	ų	н	U	
Toluene	ND	0.50	U	0	ti	ţı	11	И	
Xylenes (total)	ND 3	0.50	tt .	If	0	tı	11		
Surrogate: Dibromofluoromet	hane	99 %	75-12	0	"	"	"	и	
Surrogate: 1,2-Dichloroethan	e-d4	100 %	60-12	5	"	n	"	n	
Surrogate: Toluene-d8		96 %	80-12	0	"	"	"	n	
Surrogate: 4-Bromofluoroben	zene	92 %	60-13	5	"	н	"	n .	
AR-1 (MQI0130-04) Water	Sampled: 09/05/07 12:55	Received: 0	9/05/07 20:	10					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7115001	09/15/07	09/15/07	EPA 8260B	
Benzene	ND	0.50	I†	Ħ	u	U	0	ti	
tert-Butyl alcohol	ND	20	Jt.	И	If	B	It	Ü	
Di-isopropyl ether	ND	0.50	н	н	Ħ	If	н	O	
1,2-Dibromoethane (EDB)	ND	0.50	н	Ħ	К	н	и	rt .	
1,2-Dichloroethane	ND	0.50	н	71	H	ч	**	It	
Ethanol	ND	300	H	0	H	11	77	н	
Ethyl tert-butyl ether	ND	0.50	H	O.	91	ŧi	U	н	•
Ethylbenzene	ND	0.50	0	l†	U	O	U	ti	
Methyl tert-butyl ether	ND	0.50	It	It	It	D	H	O	
Toluene	ND	0.50	н	H	li .	It	н	(r	
Xylenes (total)	ND	0.50	"	ti	н	h	н	н	
Surrogate: Dibromofluoromet	hane	98 %	75-12	0	n	F!	"	ff	
Surrogate: 1,2-Dichloroethane	e-d4	105 %	60-12	5	"	"	"	"	
Surrogate: Toluene-d8		97 %	80-12	0	e	n	"	n	
Surrogate: 4-Bromofluorobenz	zene	89 %	60-13	5	"	"	"	n	





Project: ARCO #5387, Hayward, CA

Project Number: G0C52-0017
Project Manager: Jay Johnson

MQI0130 Reported: 09/20/07 14:24

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
AR-2 (MQI0130-05) Water	Sampled: 09/05/07 11:50	Received: 0	9/05/07 2	20:10					•••
tert-Amyl methyl ether	ND	0.50	ug/l	l	7115001	09/15/07	09/15/07	EPA 8260B	
Benzene	ND	0.50	и	н	U	a	II.	н	
tert-Butyl alcohol	ND	20	II.	н	H	0	II.	н	
Di-isopropyl ether	ND	0.50	a	Ħ	tt	ti.	tt .	ŧi	
1,2-Dibromoethane (EDB)	ND	0.50	ø	11	н	lit	H	0	
1,2-Dichloroethane	ND	0.50	U	0	н	11	п	e e	
Ethanol	ND	300	0	0	11	н	n	Pr	
Ethyl tert-butyl ether	ND	0.50	O	tr .	9	ti	#1	ji	
Ethylbenzene	ND	0.50	Ħ	Ħ	U	ø	o o	п	
Methyl tert-butyl ether	ND	0.50	н	ı	II.	O	"	п	
Toluene	ND	0.50	н	н	D	O	"	11	
Xylenes (total)	ND_{\ll}	0.50	н	н	B	B	n	11	
Surrogate: Dibromofluorometh	ane	97 %	75-	120	u	"	n	v	
Surrogate: 1,2-Dichloroethane-	d4	107 %	60-	125	"	"	"	n	
Surrogate: Toluene-d8		96 %	80-	120	"	ff	rr	n .	
Surrogate: 4-Bromofluorobenze	ne	90 %	60-	135	"	"	"	"	





Project: ARCO #5387, Hayward, CA

Project Number: G0C52-0017 Project Manager: Jay Johnson MQI0130 Reported: 09/20/07 14:24

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 7115001 - EPA 5030B P/T / 1	LUFT GCMS							·		
Blank (7I15001-BLK1)				Prepared of	& Analyze	d: 09/15/	07			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.56		н	2.50		102	60-125			
Surrogate: Dibromofluoromethane	2.40		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.41		"	2.50		96	80-120			
Surrogate: 4-Bromofluorobenzene	2.26		"	2.50		90	60-135			
Laboratory Control Sample (7115001-	BS2)			Prepared a	& Analyze	d: 09/15/0	07			
Gasoline Range Organics (C4-C12)	425	50	ug/l	500		85	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.59		**	2.50		104	60-125			
Surrogate: Dibromofluoromethane	2.42		"	2.50		97	75-120			
Surrogate: Toluene-d8	2.52		"	2.50		101	80-120			
Surrogate: 4-Bromofluorobenzene	2.49		n	2.50		100	60-135			
Laboratory Control Sample Dup (7115	001-BSD2)			Prepared a	& Analyze	d: 09/15/0	07			
Gasoline Range Organics (C4-C12)	439	50	ug/l	500		88	65-120	3	20	
Surrogate: 1,2-Dichloroethane-d4	2.54		rt	2.50		102	60-125			
Surrogate: Dibromofluoromethane	2.47		"	2.50		99	75-120			
Surrogate: Toluene-d8	2.55		"	2.50		102	80-120			
Surrogate: 4-Bromofluorobenzene	2.59		"	2.50		104	60-135			





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

Analyte

Project: ARCO #5387, Hayward, CA

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

MQI0130 Reported: 09/20/07 14:24

RPD

Limit

Notes

Project Number: G0C52-0017 Cameron Park CA, 95682 Project Manager: Jay Johnson

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

Units

Reporting

Limit

Result

9.53

9.35

29.1

2.60

2,47

2.52

2.45

0.50

0.50

0.50

10.0

10.0

30.0

2.50

2.50

2.50

2.50

Blank (7115001-BLK1)
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 " Ethyl tert-butyl ether ND 0.50 " Methyl tert-butyl ether ND 0.50 " Toluene ND 0.50 " Xylenes (total) ND 0.50 " Xylenes (total) ND 0.50 " Surrogate: Dibromofluoromethane 2.40 " 2.50 96 75-120 Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 96 80-125 Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7115001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Di-isopropyl ether
1,2-Dibromoethane (EDB) ND 0.50 "
1,2-Dichloroethane
Ethanol
Ethyl tert-butyl ether ND 0.50 "
Ethylbenzene ND 0.50 " Methyl tert-butyl ether ND 0.50 " Toluene ND 0.50 " Xylenes (total) ND 0.50 " Surrogate: Dibromofluoromethane 2.40 " 2.50 96 75-120 Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 96 80-125 Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7115001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Methyl tert-butyl ether ND 0.50 " Toluene ND 0.50 " Xylenes (total) ND 0.50 " Surrogate: Dibromofluoromethane 2.40 " 2.50 96 75-120 Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 102 60-125 Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Toluene
Xylenes (total) ND 0.50 " Surrogate: Dibromofluoromethane 2.40 " 2.50 96 75-120 Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 102 60-125 Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Surrogate: Dibromofluoromethane 2.40 " 2.50 96 75-120 Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 102 60-125 Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 90 73-120 Surrogate: 1,2-Dichloroethane-d4 2.56 " 2.50 96 80-120 Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Surrogate: Toluene-d8 2.41 " 2.50 96 80-120 Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Surrogate: 4-Bromofluorobenzene 2.26 " 2.50 90 60-135 Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Laboratory Control Sample (7I15001-BS1) Prepared & Analyzed: 09/15/07 tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
tert-Amyl methyl ether 9.55 0.50 ug/l 10.0 96 65-135 Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135
Benzene 8.91 0.50 " 10.0 89 75-120 tert-Butyl alcohol 168 20 " 200 84 60-135

Di igonomi debra
Di-isopropyi einer 8.77 0.50 0.0 88 70-130
1,2-Dibromoethane (EDB) 9.55 0.50 " 10.0 96 70-135
1,2-Dichloroethane 9.20 0.50 " 10.0 92 70-125
Ethanol 204 300 " 200 102 15-150
Ethyl tert-butyl ether 9.35 0.50 " 10.0 94 65-130
Ethylbenzene 9.58 0.50 " 10.0 96 75-120

Methyl tert-butyl ether

Surrogate: Toluene-d8

Surrogate: Dibromofluoromethane

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 4-Bromofluorobenzene

Toluene

Xylenes (total)

50-140

75-120

75-130

75-120

60-125

80-120

60-135

95

94

97

104

99

101

98





Project: ARCO #5387, Hayward, CA

Project Number: G0C52-0017
Project Manager: Jay Johnson

MQI0130 Reported: 09/20/07 14:24

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 7I15001 - EPA 5030B P/T / E	PA 8260B									
Matrix Spike (7115001-MS1)	Source: M	Q10130-01		Prepared -	& Analyzo	ed: 09/15/	07			
tert-Amyl methyl ether	12.9	0.50	ug/l	10.0	ND	129	65-135			
Benzene	10.8	0.50	n	10.0	ND	108	75-120			
tert-Butyl alcohol	207	20	0	200	ND	103	60-135			
Di-isopropyl ether	10.8	0.50	0	10.0	ND	108	70-130			
1,2-Dibromoethane (EDB)	12.4	0.50	0	10.0	ND	124	70-135			
1,2-Dichloroethane	11.7	0.50	н	10.0	ND	117	70-125			
Ethanol	220	300	If	200	ND	110	15-150			
Ethyl tert-butyl ether	11.7	0.50	п	10.0	ND	117	65-130			
Ethylbenzene	11.6	0.50	М	10.0	ND	116	75-120			
Methyl tert-butyl ether	12.8 5	0.50	и	10.0	0.530	123	50-140			
Toluene	11,6	0.50	н	10.0	ND	116	75-120			
Xylenes (total)	35.1	0.50	н	30,0	ND	117	75-130			
Surrogate: Dibromofluoromethane	2.53		rr	2.50		101	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.63		11	2.50		105	60-125			
Surrogate: Toluene-d8	2.46		н	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.55		"	2.50		102	60-135			
Matrix Spike Dup (7I15001-MSD1)	Source: M	QI0130-01		Prepared a	& Analyze	d: 09/15/0)7			
tert-Amyl methyl ether	12.6	0.50	ug/l	10.0	ND	126	65-135	2	25	
Benzene	10.7	0.50	U	10.0	ND	107	75-120	1	20	
tert-Butyl alcohol	205	20	fr .	200	ND	103	60-135	0.6	25	
Di-isopropyl ether	10.6	0.50	It	10.0	ND	106	70-130	2	25	
1,2-Dibromoethane (EDB)	12.0	0.50	н	10.0	ND	120	70-135	3	30	
1,2-Dichloroethane	11.4	0.50	11	10.0	ND	114	70-125	3	25	
Ethanol	212	300	*1	200	ND	106	15-150	3	25	
Ethyl tert-butyl ether	11.5	0.50	n	10.0	ND	115	65-130	1	25	
Ethylbenzene	11.5	0.50	a	10.0	ND	115	75-120	1	20	
Methyl tert-butyl ether	12.7	0.50	0	10.0	0.530	122	50-140	0.9	25	
Toluene	11.2	0.50	D	10.0	ND	112	75-120	3	25	
Xylenes (total)	35.0	0.50	n	30.0	ND	116	75-130	0.4	20	
Surrogate: Dibromofluoromethane	2.56		***************************************	2.50		102	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.57		"	2.50		103	60-125			
Surrogate: Toluene-d8	2.52		"	2.50		101	80-120			
Surrogate: 4-Bromofluorobenzene										



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

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

Project: ARCO #5387, Hayward, CA Project Number: G0C52-0017 MQI0130 Reported: 09/20/07 14:24

Notes and Definitions

Project Manager: Jay Johnson

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

Lisa Race

From:

Sandy Hayes [shayes@stratusinc.net]

Sent:

Tuesday, September 11, 2007 10:07 AM

To:

Lisa Race

Subject:

RE; problem COC for ARCO#5387 - MQI0130

Attachments: Revised COC 5387.pdf

Hi Lisa,

Attached is the revised COC.

Thanks,

REVISED

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

Fax: 530.676.6005

----Original Message----

From: Lisa Race [mailto:lisa.race@testamericainc.com]

Sent: Monday, September 10, 2007 8:38 AM

To: knagaraju@stratusinc.net; scarter@stratusinc.net; Sandy Hayes; Scott Bittinger; Sonia Nandi

Subject: problem COC for ARCO#5387 - MQI0130

The attached COC has no sample date listed. Please also clarify the comment "HO" on the trip blank line.

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

LISA RACE

Senior Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or

A		nti hfi		d
C	on		n	y

Chain	of	Custody	Reco	rd
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	45V
On-site Time: タスロ	Temp: 6 5
Off-site Time: /320	Temp: 23
Sky Conditions: OVer Cast	
Meteorological Events: 1200	
Wind Speed: 3	Direction: S L

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	TestAmerica				<u></u>	BP/AR Facility No			387				<u> </u>				Cons	ultan	/Con				Stratus Enviror			
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Morgan Hill, Lab PM: Lis		···				Site Lat/Long:											<u> </u>						k, CA 95682			
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	Contact: Paul Supple	vo (12X)				Eufos Project No.:											-		t/Con					Johnso		
	10 Crow Canyon Place, Sui	+= 160				Provision or RCOF	(cir				TOVI	sion					Tele/						00 / (530) 67	6-6005	5	
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	725-275-3506	······································				Sub Phase/Task: Cost Element:	*******		Analy				·····										<u> Dstratusinc.</u>	net		
Lab Bottle C			····	M	etrix	NOON ENGINEER		NT-(actor l							Invo			mtic	Rich	field	Co.			
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Item No	Sample Description	Тіпе	Date	Soil/Solid Water/Liquid		MQIOEO Laboratory No.	No. of Containers	Unpreserved	3O ₄	HINO,		Mcthanol	GRO/BTEX/Oxv*	I,2 DCA	3	Ethenol by 8260	C						Sample) *Oxy = MTB	Comm	ents Æ, ETI	
		1.00	0/1/				-	5	H	1		ž					0 <u>%</u>									
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Custod	ly Seals In Place: Yes / 1	No	Temp	Blank	: Kes/1	No Cooler	l'em	o on	Rece	eipt:		°F/C		7	rip E	lank	/Ye.	/No)	1	vIS/	MSI	O Sample Sul	mitter	t Yes /	No
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Page_	1	of	1
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Atlantic Richfield	
Company	
A BP affiliated company	

Chain of Custody Record

Project Name:	**	BP	5387

BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > CA > Alameda>5387

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

	· -0
On-site Time: 930	Temp: 6 5
Off-site Time: / 3 20	Temp: 5 3
Sky Conditions: OVer Cast	
Meteorological Events:	
Wind Speed: 3	Direction: S W

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·	Name: TestAmerica	*				BP/AR Facility No			387				<u> </u>	<u> </u>						nt/Co		ctor:	********	Stratus Enviro				
	ress: 885 Jarvis Drive	······				BP/AR Facility Ac	idress	:	202	00 F	[espe	risn l	Blvd.	, He	ywa	rd	`	Add	ress:		333	0 Ca	ımer	on Park Driv	e, Suite	550		
Mor	gan Hill, CA 95937					Site Lat/Long:																		rk, CA 9568	2			
_	PM: Lisa Race					California Global I					58							Con	sulta	at/Co	ontra	ctor F	roje	et No.: E	5387-04			
Tele	Fax: 408-782-8156 408-782-630	08 (fax)	·			Enfos Project No.:	G(C52	2-001	7					<u></u>			Con	sulta	at/Co	ontra	ctor F	M:	Ja	y Johnso	on		
BP/A	R PM Contact: Paul Supple					Provision or RCO	cir (cir	cle c	ne)		Prov	vision	ì					Tele	/Fax:		(53	0) 67	76-60	000 / (530) 6	76-600	5		
Addı	ess: 2010 Crow Canyon Place, Sui	te 150				Phase/WBS:		04-	Moni	itorin	g							Rep	ort T	ype d	& Q(Lev	el:	Le	evel 1 w	ith EDF		
	San Ramon, CA					Sub Phase/Task:		03-	Anal	ytica	1							E-m	ail E	DD '	Го:	sha	iyes	@stratusing	<u>.net</u>			
	Fax: 925-275-3506					Cost Element:		01-	Cont	racto	r labo	T						-	~			c Ric	hfiel	d Co.				
Lab	Bottle Order No:	. ,			Matrix				F	rese	rvati	ve					Requ	este	d An	alys	s				***************************************			-
Item No.	Sample Description	Тіте	Date	Soil/Solid	Water/Liquid Air	MQIOEO Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO,	HCI	Methanol		GRO/BTEX/Oxy*	1,2 DCA	ЕДВ	Ethanol by 8260	DRO						Sample *Oxy = MTI	Comm	ME, ET		PE,
1	MW-1	1055			x	01	6		Τ		х			x	х	x	х					Π						
2	MW-2	1136		1	x	02	3				х		$\overline{}$		X	 	X											
3	A-7	1022			x	63	3		1		х				Х		х			-					~~~			
4	AR-1	1255			х	04	3				х			X	X	х	x								***************************************			
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б	TB 5387~タ <i>≤</i> のク	500			x	90	3				х			x	Х	х	х							НО				
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Spec	ial Instructions:	Please	cc resu	ts to	: rmiller(@broadbentinc.com												****										
<u> </u>						,																		-				
	Custody Seals In Place: Yes /	No	Tem	Bla	nk: Kes/	No Cooler	Tem	p on	Rec	eipt		°F	?/C		T	rip E	lank	Y	s/1	lo_		MS	S/MS	SD Sample S	ubmitte	d: Yes	No No	
	N .																							BP	COC Re	v. 5 10/11/	2006	-

TEST AMERICA SAMPLE RECEIPT LOG

© ĈLIENT NAME: REC. BY (PRINT) WORKORDER:	Arw 5387		DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:		115107 2010				atory Purposes? WATER YES / NO ATER YES / NO
	OPRIATE RESPONSE	LAB SAMPLE#	CLIENT ID	CONTAINER DESCRIPTION		рН	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent					// // // // // // // // // // // // //		OAMI LLD	
	Intact / Broken*								
2. Chain-of-Custody	(Fresent / Absent*								
3, Traffic Reports or									
Packing List:	Present / Absent			, û				-	
4. Airbill:	Airbill / Sticker		1.	-		·····			
	Present / Absent								Doto pour I
5. Alrbill #:									* Pate compled
6. Sample Labels:	Rresent / Absent		,					/	7/2/0/
7. Sample IDs:	· Listed / Not Listed						/		
	on Chain-of-Custody							 !.	· ·
8. Sample Condition:	(ntact)/ Broken* /			see vou		\neg			
	Leaking*			9/5/07		/	:		
9. Does Information on				10V					
traffic reports and sa									
agree?	Yes / No*			/				<u> </u>	
10. Sample received within									
hold time?	(Yes / No*								
11. Adequate sample volur	T								
received?	√ €/No*								
2. Proper preservatives us		- 1922							
13. Trip Blank / Temp Blan									*
(circle which, if yes)	(Ye)s / No*						·		
4. Read Temp:						٦			
Corrected Temp:							1.50		
Is corrected temp 4 +/-:	<u> </u>								4
Acceptance renge for samples requ		$-\!$							i i
Exception (if any): META	TO 1 DEL ONICE	-/-					1		
or Problem COC						<u> </u>			- v
Revision 8	•	*IF CIRCLI	D, CONTACT PROJECT	MANAGER AN	ID ATTAC	H RE	CORD OF	RESOLUT	ion.

PR Rev 7 (07/19/05)

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 5387

Facility Global ID:

T0600101368

Facility Name:

ARCO #5387 / THRIFTY OIL

#52

Submittal Date/Time: 10/24/2007 12:56:18 PM

Confirmation Number:

4415425181

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: 8685186505

Date/Time of Submittal: 10/24/2007 12:58:19 PM

Facility Global ID: T0600101368

Facility Name: ARCO #5387 / THRIFTY OIL #52

Submittal Title: 3Q07 GW Monitoring **Submittal Type:** GW Monitoring Report

Click here to view the detections report for this upload.

ARCO #5387 / THRIFTY OIL #52

20200 HESPERIAN HAYWARD, CA 94541 Regional Board - Case #: 01-1481

SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000174

ALAMEDA COUNTY LOP - (SP)

CONF#

TITLE

QUARTER

8685186505

3Q07 GW Monitoring

Q3 2007

SUBMITTED BY

SUBMIT DATE

STATUS

Broadbent & Associates, Inc.

10/24/2007

PENDING REVIEW

SAMPLE DETECTIONS REPORT

FIELD POINTS SAMPLED

FIELD POINTS WITH DETECTIONS

5 2

FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL

SAMPLE MATRIX TYPES

WATER

METHOD QA/QC REPORT

METHODS USED

8260FA,8260TPH

TESTED FOR REQUIRED ANALYTES? LAB NOTE DATA QUALIFIERS

TECHNICAL HOLDING TIME VIOLATIONS

N

0

QA/QC FOR 8021/8260 SERIES SAMPLES

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	Υ
- 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%	Υ
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 8	IKE DUPLICATE(S) % RECOVERY	BETWEEN SE 12EN	- /-
•	• •		n/a
MATRIX SPIKE / MATRIX SP	IKE DUPLICATE(S) RPD LESS THA	N 30%	n/a
SURROGATE SPIKES % REC	OVERY BETWEEN 70-125%		n/a
BLANK SPIKE / BLANK SPIK	E DUPLICATES % RECOVERY BET\	WEEN 70-130%	n/a
IEI DOC SAMDI ES		\$\$\tag{\text{\tin}\text{\tetx}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin\tinte\text{\text{\text{\text{\text{\text{\text{\tin}\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texitit{\text{\texi}\tint{\text{\texit{\text{\tin}\tint{\text{\text{\text{\texi}\tint{\text{\texit{\text{\texi}	
FIELD QC SAMPLES SAMPLE	<u>COLLECTED</u>	DETECTIONS	S > REPDI
	COLLECTED N	<u>DETECTIONS</u>	S > REPDI
SAMPLE		DETECTIONS C	S > REPDL

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.