

RECEIVED

By dehloptoxic at 10:37 am, Feb 01, 2007



Atlantic Richfield Company (a BP affiliated company)

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

26 January 2007

Re: Fourth Quarter 2006 Ground-Water Monitoring Report

Atlantic Richfield Company (a BP affiliated company) Station #276

10600 MacArthur Boulevard

Oakland, California

ACEH Case #RO0002565

"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

Fourth Quarter 2006 Ground-Water Monitoring Report Atlantic Richfield Company Station #276 10600 MacArthur Boulevard Oakland, California

Prepared for

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

Prepared by



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

26 January 2007

Project No. 06-08-601



26 January 2007

Project No. 06-08-601

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

Attn.: Mr. Paul Supple

Re:

Fourth Quarter 2006 Report, Atlantic Richfield Company (a BP affiliated company) Station #276, 10600 MacArthur Boulevard, Oakland, Alameda County, California

ACEH Case #RO0002565

Dear Mr. Supple:

Provided herein is the Fourth Quarter 2006 Ground-Water Monitoring Report for Atlantic Richfield Company Station #276 (herein referred to as Station #276) located at 10600 MacArthur Boulevard, Oakland, Alameda County, California (Property). This report presents results of ground-water monitoring conducted during the Fourth Quarter of 2006.

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

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.

Senior Engineer

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

Principal Hydrogeologist

Enclosures

Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site) cc:

Electronic copy uploaded to GeoTracker

ARIZONA **CALIFORNIA** **NEVADA**

ROBERT H. MILLER

No. 4893

TEXAS

STATION #276 QUARTERLY GROUND-WATER MONITORING REPORT

Facility: #276 Address: 10600 MacArthur Boulevard, Oakland, California

Environmental Business Manager: Mr. Paul Supple

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

(530) 566-1400

Consultant Project No.: 06-08-601

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

ACEH Case #RO0002565

Facility Permits/Permitting Agency: NA

WORK PERFORMED THIS QUARTER (Fourth Quarter 2006):

1. Prepared and submitted Third Quarter 2006 Ground-Water Monitoring Report.

2. Conducted ground-water monitoring/sampling for Fourth Quarter 2006. Work performed on 2 November 2006 by Stratus Environmental, Inc (Stratus).

WORK PROPOSED FOR NEXT QUARTER (First Quarter 2007):

1. Submitted Fourth Quarter 2006 Ground-Water Monitoring Report (contained herein).

2. Conduct quarterly ground-water monitoring/sampling for First Quarter 2007.

QUARTERLY RESULTS SUMMARY:

Current phase of project:

Frequency of ground-water monitoring:

Prequency of ground-water sampling:

Quarterly = MW-1, MW-2, MW-3, MW-4, MW-5, MW-6,

MW-7, MW-8, RW-1, WDR-3

Quarterly = MW-1, WDR-3

Prequency of ground-water sampling:

Amount of the product (FP) present on-site:

No

Quarterly = MW-1, MW-2, MW-3, MW-4, MW-5, MW-6,

MW-7, MW-8, RW-1, WDR-3

Quarterly = MW-1, MW-3, MW-4, MW-5, MW-6,

MW-7, MW-8, RW-1, WDR-3

Prequency of ground-water sampling:

Quarterly = MW-1, MW-2, MW-3, MW-4, MW-5, MW-6,

MW-7, MW-8, RW-1, WDR-3

Prequency of ground-water sampling:

Quarterly = MW-1, MW-2, MW-3, MW-4, MW-5, MW-6,

Amnually (1Q and 3Q) = MW-6 and MW-7

Annually (1Q) = MW-1, MW-3, MW-4, WGR-3, and RW-1

No

Is free product (FP) present on-site:

Current remediation techniques:

Depth to ground water (below TOC):

General ground-water flow direction:

Approximate hydraulic gradient:

No

No

No

No

17.3

Sou

0.00

17.38 ft (MW-2) to 33.12 ft (MW-6)

Ground-water monitoring/sampling

South-southwest 0.004 ft/ft

DISCUSSION:

Fourth quarter 2006 ground-water monitoring and sampling was conducted at Station #276 on 2 November 2006 by Stratus. Water levels were gauged in the 10 wells at the Site on 2 November 2006. No irregularities were noted during water level gauging. Depth to water measurements ranged from 17.38 ft at MW-2 to 33.12 ft at MW-6. Resulting ground-water surface elevations ranged from 42.83 ft above mean sea level in well MW-2 to 32.98 ft at well MW-8. Water level elevations were between historic minimum and maximum ranges for each well except for well WGR3, which reached a historic minimum this quarter of 40.95 ft above mean sea level (see Table 1). Water level elevations yielded a potentiometric ground-water flow direction and gradient to the south-southwest at approximately 0.004 ft/ft, consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. Potentiometric ground-water elevation contours are presented in Drawing 1.

Consistent with the current ground-water sampling schedule, water samples were collected from wells MW-2, MW-5, and MW-8 on 2 November 2006. No irregularities were reported during sampling. Samples were submitted under chain of custody protocol to Test America Analytical Testing Corporation (Morgan Hill, California), for analysis of Gasoline Range Organics (GRO, C4-12) by the LUFT GCMS Method; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Di-isopropyl ether(DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl tert-butyl ether (ETBE), and Methyl tert-butyl ether (MTBE) by EPA Method 8260B. The laboratory reported that the GRO concentration for well MW-8 was partly due to an individual peak in the quantitation range. No other significant irregularities were encountered during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline range organics (GRO) were detected above the laboratory reporting limits in each of the three wells sampled at concentrations up to 370 micrograms per liter (µg/L) in well MW-8. Benzene was detected above the laboratory reporting limit in one of the three wells sampled at a concentration of 0.64 μg/L in well MW-2. TAME was detected above the laboratory reporting limit in each of the wells sampled at concentrations up to 43 µg/L in well MW-8. 1,2-DCA was detected above the laboratory reporting limit in one of the three wells sampled at a concentration of 7.8 µg/L in well MW-5. MTBE was detected above the laboratory reporting limit in each of the wells sampled at concentrations up to 660 μg/L in well MW-8. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the three wells sampled this quarter. Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the exception of well MW-8, which reached a historical maximum concentration for TAME at 43 µg/L. Historic laboratory analytical results are summarized in Table 1 and Table 2. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. A copy of the Laboratory Analytical Report, including chain-of-custody documentation is provided in Appendix A. Ground-water monitoring data (GEO WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix B.

CLOSURE:

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

ATTACHMENTS:

- Drawing 1. Ground-Water Elevation Contour and Analytical Summary Map, 2 November 2006, Station #276, 10600 MacArthur Boulevard, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #276, 10600 MacArthur Blvd., Oakland, CA

Table 2. Summary of Fuel Additives Analytical Data, Station #276, 10600 MacArthur Blvd., Oakland, CA

Table 3. Historical Ground-Water Flow Direction and Gradient, Station #276, 10600 MacArthur Blvd., Oakland, CA

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

Appendix B. GeoTracker Upload Confirmation

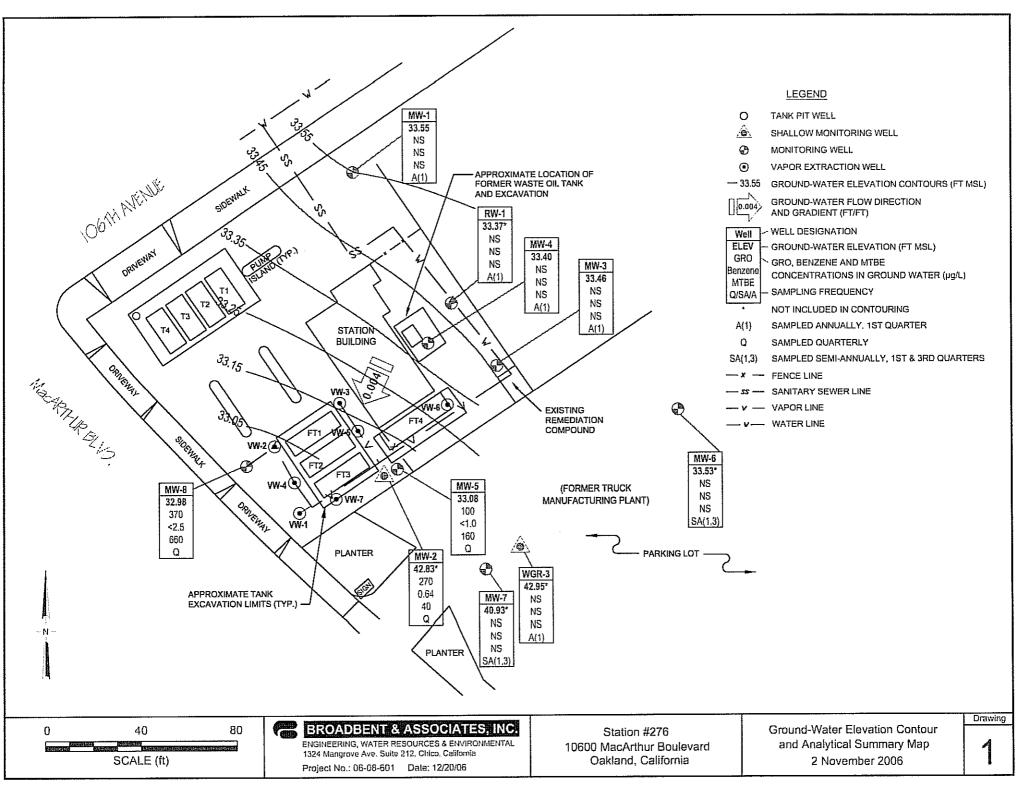


Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #276, 10600 MacArthur Blvd., Oakland, CA

				Top of	Bottom of		Water Level	ļ		Concentra	tions in (µ _l	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-1				, , , ,										- Annual Control of the Control of t	
12/17/2000	-		55.92	23.50	28.50	29.16	26.76	5.09		–	_	_	-		
12/28/2001			55,92	23,50	28.50	27.38	28.54	8.8	50-0- <u>1</u> -1000					1	
11/27/2002	NP		55.92	23.50	28.50	29.45	26.47	4.2	–	-	_	-		2.3	6.7
7/22/2003	NP		55.92	23.50	28.50	27,58	28,34	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	6.7
11/07/2003	NP	ent attens yet terles escalte territories escala	55.92	23.50	28.50	30.42	25.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
02/03/2004	NP		55,92	23,50	28,50	38.80	17.12					-		1.5	
05/04/2004	NP	g	61.26	23.50	28.50	26.67	34.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	-	6.6
08/12/2004	NP		61.26	23.50	28.50	29,49	31.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	6.6
11/10/2004	NP	alitings literature error verstermen	61.26	23.50	28.50	30.29	30.97	<50	<0.50	<0.50	<0.50	<0.50	<0,50	2.1	6.6
02/03/2005	NP		61,26	23,50	28.50	26.23	35.03		-					0.89	-
05/09/2005		1998-1904-Wester Dec 1911, research finish	61.26	23.50	28.50	22.93	38.33	-					_	-	
08/11/2005			61.26	23.50	28.50	26.11	35.15							l =	
11/18/2005		EPĮVAPERETAS ARDICES VARDI DESCRIBURĀRĀS	61.26	23.50	28.50	29.14	32.12		. —				. — —		
02/01/2006	NP	1	61,26	23,50	28,50	24.15	37.11	53	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.7
5/30/2006	Hirizbergo desi 	gayasiyadik dararq Graha Arabahrayi kidi Pasadik	61.26	23.50	28.50	21,25	40.01					Hetariestovalour	Birishbedadarkidi —		
8/10/2006			61,26	23.50	28.50	24.70	36.56							leza.	
11/2/2006	-		61.26	23.50	28.50	27.71	33.55				-	- :		-	-
MW-2															
12/17/2000			55.1	15.00	25.00	15.72	39.38								
12/28/2001		ayaya ayaya da a sa da	55.1	15.00	25.00	27.38	27.72					-			l –
11/27/2002	<u> -</u>		55.1	15.00	25.00	16.35	38.75								
7/22/2003			55.1	15.00	25.00	16.20	38.9		-	'				-	iberni'rd
11/07/2003	P		55.10	15.00	25.00	18.22	36.88	990	<5.0	<5.0	<5.0	<5.0	110	1.8	6.7
02/03/2004	P	jejas pouterume ummus ulejuusjeju	55.10	15.00	25.00	13.63	41.47	180	<2.5	<2.5	2.6	4.1	55	1.8	6.5
05/04/2004	P	g	60.21	15.00	25.00	15.76	44.45	290	<2.5	<2.5	<2.5	<2.5	70	0.6	6.3
08/12/2004	P	erariatika 170-140-161 O	60,21	15.00	25.00	17.21	43.00	<250	<2.5	<2.5	3.2	<2.5	49	1.6	6.6
11/10/2004	P		60.21	15.00	25.00	15.90	44.31	270	<1,0	<1.0	1.6	<1.0	90	0.9	6.2
02/03/2005	P	(zásátozzásány), agyelető telválátávájátáját (60.21	15.00	25,00	14,29	45,92	480	1,7	<0.50	2.0	1.4	37	1.53	6.5
05/09/2005	P		60.21	15.00	25.00	14.38	45.83	320	<0.50	<0.50	<0.50	0.64	- 56	0.57	6.5
08/11/2005	P	pergeograf pour estas se se espélie	60.21	15.00	25.00	15.97	44.24	320	<0.50	<0.50	<0.50	<0.50	50	1.0	6.3

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses Station #276, 10600 MacArthur Blvd., Oakland, 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	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	рĦ
MW-2 Cont.															
11/18/2005	P		60.21	15.00	25.00	17.66	42.55	990	3.2	0.64	3.8	1.6	49	3.23	6.5
02/01/2006	P		60.21	15,00	25.00	12,50	47.71	<50	<0.50	<0.50	<0.50	<0.50	3.1	1.0	6,4
5/30/2006	P		60.21	15.00	25.00	13.25	46.96	280	<0.50	<0.50	<0.50	<0.50	64	1.76	6.5
8/11/2006	P	Water Levels 8/10	60.21	15.00	25,00	15.90	44.31	210	<0.50	<0,50	<0.50	<0.50	28	0.63	6.4
11/2/2006	P		60.21	15.00	25.00	17.38	42.83	270	0.64	<0.50	<0.50	<0.50	40	1.41	6.82
MW-3													**************************************		
12/17/2000	<u>-</u>		56.55	22.00	27.00	29.78	26.77	158							
12/28/2001			56.55	22,00	27.00	27.95	28.6	310	20	1.5	13		-		
11/27/2002	NP		56.55	22.00	27.00	30.1	26.45	110						2.0	7.2
7/22/2003	NP		56.55	22,00	27.00	28.32	28.23	120	<0.50	<0.50	<0.50	<0.50	<0.50	2,2	5.9
11/07/2003	NP		56.55	22.00	27.00	30.86	25.69	70	<0.50	<0.50	<0.50	<0,50	<0.50	2.8	6.5
02/03/2004	NP		56.55	22.00	27.00	27.65	28,90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.7
05/04/2004	NP	.	61.89	22.00	27.00	27.57	34.32	<100	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	6.4
08/12/2004	NP		61.89	22,00	27.00	30.31	31.58	52	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.3
11/10/2004	NP		61.89	22.00	27.00	31.00	30.89	91	<0.50	<0.50	<0.50	<0.50	<0.50	2,6	6.7
02/03/2005	NP	i	61.89	22,00	27.00	26.85	35.04	180	<0.50	<0.50	<0.50	<0.50	<0.50	2.25	6.5
05/09/2005			61.89	22.00	27.00	23.72	38.17					<u>-</u> 77400			
08/11/2005			61.89	22.00	27,00	26.84	35.05	 -	-	-		÷-	: 1. - .	-	
11/18/2005			61.89	22.00	27.00	29.82	32.07	104						-	
02/01/2006	NP		61.89	22,00	27.00	24.80	37.09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	6.4
5/30/2006	-		61.89	22.00	27.00	21.77	40.12								
8/10/2006	-		61.89	22.00	27.00	25.37	36.52								
11/2/2006			61.89	22.00	27.00	28.43	33.46		la in-						
MW-4															
12/17/2000	_	•	55.98	25.00	45.00	29.22	26.76	225		_	-		_		_
12/28/2001		e secologicos et do es	55.98	25.00	45.00	27.37	28.61	160	1.2					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 <u>4</u> 55
11/27/2002	NP		55.98	25.00	45.00	29.55	26.43	95	entioner end date				- '	3.7	6.7
7/22/2003	NP		55.98	25.00	45.00	27.73	28.25	130	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	6,6
11/07/2003	NP	a access price so ser character (1986)	55.98	25.00	45.00	30.41	25.57	59	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.5

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #276, 10600 MacArthur Blvd., Oakland, 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	МТВЕ	(mg/L)	pН
MW-4 Cont.															
02/03/2004	NP		55.98	25,00	45.00	27.01	28.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	7.1
05/04/2004	NP (g	61,30	25.00	45.00	26.91	34.39	<100	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	6.5
08/12/2004	NP		61.30	25.00	45.00	29.76	31.54	58	<0.50	<0.50	<0.50	<0.50	<0.50	2,3	6.4
11/10/2004	NP		61:30	25,00	45.00	30.40	30.90	69	<0,50	<0.50	<0.50	<0.50	<0.50	2.4	6.6
02/03/2005	NP	i	61.30	25.00	45.00	26.28	35.02	51	<0.50	<0.50	<0.50	<0.50	<0.50	3.77	6.8
05/09/2005			61.30	25,00	45.00	23.14	38.16								
08/11/2005	-	:	61.30	25.00	45,00	26.23	35.07		-	-	-		-		-
11/18/2005			61.30	25.00	45.00	29.24	32.06								
02/01/2006	P	i	61.30	25.00	45.00	24.20	37.10	330	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	7.0
5/30/2006			61.30	25,00	45.00	21.26	40.04							·	
8/10/2006	-		61.30	25.00	45.00	24.62	36.68	-				and and a second second	-		-
11/2/2006			61.30	25.00	45.00	27.90	33.40				asiananting Alamandan	<u> </u>		reincaearri	
MW-5							,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
12/17/2000			55.43	23.50	31.50	28.82	26.61	1,040			_		_	_	-
12/28/2001			55.43	23.50	31.50	26.91	28.52	3,200	190	2/4/1900	140	1.9/3.2/2.0			
11/27/2002	P		55.43	23.50	31.50	29.15	26.28	110	_	-				1.4	6.4
7/22/2003	Р		55.43	23.50	31.50	27.43	28	160	<1.0	<1.0	<1.0	<1.0	110	1.5	6.6
11/07/2003	P		55.43	23.50	31.50	29.99	25.44	<250	<2.5	<2.5	<2.5	<2.5	120	0.6	6.2
02/03/2004	P		55.43	23.50	31.50	26.55	28.88	85	<2.5	<2.5	<2.5	<2.5	71	1.7	6.7
05/04/2004	P	g	60.73	23.50	31.50	26.47	34.26	<250	<2.5	<2.5	<2.5	<2.5	150	0.9	6.2
08/12/2004	P		60.73	23.50	31.50	29.49	31,24	<250	<2.5	<2.5	<2.5	<2.5	140	1.8	6.3
11/10/2004	P		60.73	23.50	31,50	30.15	30.58	170	<1.0	<1.0	<1.0	<1.0	150	1.0	6.3
02/03/2005	P		60,73	23.50	31.50	25.85	34,88	100	<0.50	<0.50	<0.50	<0.50	16	1.65	6,5
05/09/2005	P		60.73	23.50	31.50	22.85	37.88	340	<2.5	<2.5	<2.5	<2.5	140	0.87	6.3
08/11/2005	P		60.73	23.50	31.50	26.05	34.68	<250	<2.5	<2.5	Q 5	<2,5	160	1.6	6.3
11/18/2005	P		60,73	23.50	31.50	29.07	31.66	<250	<2.5	<2.5	<2.5	<2.5	120	1.98	6.3
02/01/2006	P	1	60.73	23.50	31.50	23.70	37.03	520	<1.2	<1.2	<1.2	<1.2	100	0.4	6.4
5/30/2006	P	rome umaceros um en recensur usó has u dó seculó Reculó r	60.73	23.50	31.50	21.03	39.70	.220	<2.5	<2.5	<2.5	<2.5	230	1.32	6.3
8/11/2006	P	Water Levels 8/10	60.73	23.50	31.50	24.77	35.96	150	<2.5	<2.5	<2.5	<2.5	170	0.68	6.1
11/2/2006	P	monos, reseau tega ses spraemtanas se seja a aspatugans tindi	60.73	23.50	31.50	27.65	33.08	100	<1.0	<1.0	<1.0	<1.0	160	1.43	6.52

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #276, 10600 MacArthur Blvd., Oakland, CA

				Top of	Bottom of		Water Level		ı	Concentra	tions in (µg	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/	<u> </u>		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)	рН
MW-6											•				
12/17/2000			61.21	37.50	56.00	34.61	26.6								-
12/28/2001	.m.cmisre-micelor 	Construction of the control of the c	61.21	37.50	56.00	32.8	28.41		-			-	· –		
11/27/2002			61,21	37.50	56.00	35	26.21							<u>-</u>	-
7/22/2003	erana (all territoria)		61,21	37.50	56.00	33.17	28.04		-	-	. —	-	_		-
11/07/2003	P	d, e	61.21	37.50	56,00	35.70	25.51	<500	<5,0	<5.0	<5.0	<5.0	<5.0	2.7	6.9
02/03/2004	P	een dieestoorenseer van bestele in 6 een 189	61.21	37.50	56.00	32.17	29.04	84	<2.5	<2.5	<2.5	<2.5	<2.5	1.9	7.0
05/04/2004	P	g	66.65	37.50	56,00	32.07	34.58	<250	<2.5	<2.5	25	<2.5	<2.5	2,0	6.7
08/12/2004	P		66.65	37,50	56.00	34.90	31.75	660	<0.50	<0.50	<0.50	<0.50	0.81	1.4	6.9
11/10/2004	P		66.65	37.50	56.00	35.70	30.95	640	<0,50	<0.50	<0.50	<0.50	0.89	2,6	6,8
02/03/2005	P	i	66.65	37.50	56.00	31.48	35.17	77	<0.50	<0.50	<0.50	<0.50	<0.50	1.73	7.0
05/09/2005			66.65	37.50	56.00	28.37	38.28								
08/11/2005	P .	reoderpaintelories de object I	66.65	37,50	56.00	31.40	35.25	630	<0.50	<0.50	<0.50	<0.50	0.77	1,9	6,3
11/18/2005			66,65	37,50	56.00	34.50	32,15							100	
02/01/2006	P ·	incoming the state of the state	66.65	37.50	56.00	29.40	37.25	760	<5.0	<5.0	<5.0	<5.0	<5.0	2.1	6.9
5/30/2006	<u> </u>		66.65	37.50	56.00	26.51	40.14								
8/11/2006	P	Water Levels 8/10	66.65	37.50	56.00	30.10	36.55	790	<5.0	<5.0	<5.0	<5.0	<5.0	1:32	6.7
11/2/2006			66.65	37.50	56,00	33.12	33.53						-		
MW-7															
		1 1	-0.22	17.50	37.5	19.94	38.28	٠.	_						
12/17/2000			58.22	17.50			40.93			laisiime					
12/28/2001			58.22	17.50	37,5	17.29	40,93 36,92								
11/27/2002		ikiawangang ceruwa.	58.22	17.50	37.5	21,30		eniciagaeses							
7/22/2003			58,22	17.50	37.5	21.36	36.86	2 200	1.5			11	53	2.2	6.8
11/07/2003	P	d	58,22	17.50	37.5	23.76	34.46	3,200	15	<2.5	130	11		1.9	565 A 65
02/03/2004	P		58.22	17.50	37.5	17.74	40.48	53	<0.50	<0.50	<0.50	0,54	32	printer and the	6.4
02/03/2005	P	i antigene meneral a cantant vitagens	63.54	17.50	37.5	18.13	45.41	61	<0.50	<0.50	<0.50	<0.50	14	3.39	6.5
05/09/2005			63.54	17.50	37.5	18.39	45.15								
08/11/2005	P		63.54	17.50	37.5	21.47	42.07	1,500	1.8	<1.0	4.2	1.2	21	2.0	6.3
11/18/2005			63.54	17.50	37.5	22.41	41.13								
02/01/2006	P		63.54	17.50	37,5	16.65	46.89	<50	<0.50	<0.50	<0.50	<0.50	1.8	1.3	6.3
5/30/2006			63.54	17,50	37,50	19.22	44.32			le -				-	-

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #276, 10600 MacArthur Blvd., Oakland, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µg	ţ/L)			
Weil and	1		тос	Screen	Screen	DTW	Elevation	GRO/		11.11	Ethyl-	Total		DO	ĺ
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	МТВЕ	(mg/L)	pН
MW-7 Cont.															
8/11/2006	р	Water Levels 8/10	63.54	17,50	37.50	21.28	42.26	1,800	1.3	0.55	5.0	1.4	41	1,22	6.4
11/2/2006			63.54	17.50	37.50	22.61	40,93	-				-		-	-
MW-8					11471										
12/17/2000	Salahang:	e kossi dassavakiki ilikkisi	53,65	29.00	49.00	27.02	26.63	-				-		.	
12/28/2001			53.65	29.00	49.00	24.99	28,66			ering against	umanimini	-		-	-
11/27/2002			53.65	29.00	49.00	27.45	26.20	-	50 4 0						
7/22/2003			53.65	29.00	49.00	25.74	27.91			ATTO SECURITION OF CONTRACT OF	; - : : :		-	-	-
11/07/2003	p		53.65	29,00	49.00	28.27	25.38	<500	<5.0	<5.0	<5,0	<5.0	440	2,6	6,5
02/03/2004	P	f ::	53.65	29,00	49.00	24.80	28.85	170	<12	<12	<12	<12	470	3.0	6.7
05/04/2004	P	g	58.96	29:00	49,00	24.81	34.15	<1,000	<10	<10	<10	<10	700	3.8	6.4
08/12/2004	P		58.96	29.00	49.00	27.72	31,24	<2,500	<25	<25	<25	<25	400	3.4	6.5
11/10/2004	P		58.96	29.00	49.00	28.41	30.55	<500	<5.0	<5.0	<5.0	<5.0	480	3.4	6.3
02/03/2005	P		58.96	29.00	49.00	24.01	34.95	<50	<0.50	<0.50	<0.50	<0.50	45	1,43	6.4
05/09/2005	P	orestrate V. decreasure e. Se Str	58.96	29,00	49,00	21.07	37.89	640	<5.0	<5,0	<5.0	<5.0	440	1.06	6,4
08/11/2005	P	January Control of San	58.96	29.00	49.00	24.32	34.64	<500	<5.0	<5.0	<5.0	<5.0	420	5.0	6.1
11/18/2005	P		58.96	29,00	49,00	27.35	31,61	<500	<5.0	<5.0	<5.0	<5.0	390	3.51	6.4
02/01/2006	P	i	58.96	29.00	49.00	22.00	36.96	520	<5.0	<5.0	<5.0	<5.0	600	0.5	6,3
5/30/2006	P		58.96	29.00	49.00	19.25	39,71	310	<5.0	<5,0	<5.0	<5.0	480	1.35	6.3
8/11/2006	P	Water Levels 8/10	58.96	29.00	49.00	22.95	36.01	320	<0.50	<0.50	<0.50	<0.50	630	0.65	6.2
11/2/2006	P		58.96	29.00	49.00	25.98	32,98	370	<2.5	<2.5	<2.5	<2.5	660	1,46	6.61
RW-1						*									
12/17/2000	_		56.32	36.00	51.00	29.57	26.75	-	_	-	<u> </u>	_		_	0.0040
12/28/2001			56.32	36,00	51.00	27.64	28.68	/**** **							
11/27/2002	_	t with the contract of the con	56.32	36.00	51.00	29.93	26.39	- :			- :				
7/22/2003			56.32	36.00	51.00	28.09	28.23		-	-					
11/07/2003	P	Maria de la compania	56.32	36.00	51.00	30.64	25.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	7.0
02/03/2004	P		56.32	36.00	51.00	27,28	29.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.7	7.1
05/04/2004	P	g	61.65	36.00	51,00	27,16	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	6.8
08/12/2004	Р		61,65	36.00	51,00	30.10	31.55	<50	<0,50	<0.50	<0.50	<0.50	<0,50	2.2	7.1

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #276, 10600 MacArthur Blvd., Oakland, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µg	/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		ро	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	рН
RW-1 Cont.															
11/10/2004	Р		61,65	36.00	51,00	30.79	30.86	<100	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	6.9
02/03/2005	P	i i i i i i i i i i i i i i i i i i i	61.65	36.00	51.00	26.61	35.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.57	7.1
05/09/2005			61.65	36.00	51.00	23,51	38.14		-	- T			7	-	
08/11/2005			61.65	36.00	51.00	26.60	35.05	-	<u></u>	-	-			_	
11/18/2005			61.65	36,00	51.00	29.65	32.00								
02/01/2006	P		61.65	36,00	51.00	24.65	37,00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1,5	7.0
5/30/2006	-		61.65	36.00	51.00	21.69	39.96								
8/10/2006	-		61.65	36,00	51.00	25.31	36.34		-				•	-	
11/2/2006			61.65	36.00	51.00	28.28	33.37								
WGR-3															1
12/17/2000	_					19.21			_						-
12/28/2001		h													
11/27/2002	_		-	:	_	20.6				-				-	-
7/22/2003						20.77									
05/04/2004	P	g	63.27	***	_	19.53	43.74	<50	<0.50	<0.50	<0.50	<0.50	11	1.8	6.5
08/12/2004	Р		63.27			22.20	41.07	<50	<0.50	<0.50	<0.50	<0.50	35	2.0	
11/10/2004	P		63.27			19.98	43.29	<50	<0.50	<0.50	<0.50	<0.50	5.6	0.3	6.3
02/03/2005	P		63.27			16.91	46.36	<50	<0.50	<0,50	<0.50	<0.50	1.1	2.04	6.5
05/09/2005			63.27		-	17.29	45.98		 Tananananan	- i	; : 3:45(0.0) (0.0) (1.0)	 Isserangetülü			-
08/11/2005	-		63.27			20.88	42.39								
11/18/2005		- and superprete in the fresh fresh at	63.27		- Language (1845)	22.15	41.12	 Kozosijawana			<0.50	 -0 =0	2.3	2.0	6.5
02/01/2006	P		63.27			14.90	48.37	<50	<0,50	<0.50	SU.DU	<0.50			د,ه
5/30/2006	-		63.27		 contrarectorale (de). la	18.39	44.88	 I spalition (supplier)	-		100000000000000000000000000000000000000			-	-
8/10/2006			63.27			20.63	42,64								
11/2/2006	_		63.27	_		20.32	42.95		<u> </u>					<u> </u>	<u> </u>

SYMBOLS & ABBREVIATIONS:

- = Not analyzed/applicable/measured/available
- < = Not detected at or above laboratory reporting limit

BTEX = Benzene, toluene, ethylbenzene and xylenes

DO = Dissolved oxygen

DTW = Depth to water in ft bgs

ft bgs = Feet below ground surface

ft MSL = Feet above mean sea level

GRO = Gasoline range organics

GWE = Groundwater elevation measured in ft MSL

mg/L = Milligrams per liter

MTBE = Methyl tert butyl ether

NP = Not purged prior to sampling

P = Purged prior to sampling

TOC = Top of casing measured in ft MSL

TPH-g = Total petroleum hydrocarbons as gasoline

μg/L = Micrograms per liter

FOOTNOTES:

a = 1.1 DCE; this footnote is no longer applicable.

b = 1.2 DCA; this footnote is no longer applicable.

c = Chlorobenzene; this footnote is no longer applicable.

d = Sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. Results may still be used for intended nursose.

e = The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

f = Discrete peak @ C5 for GRO/TPH-g.

g = Site was re-surveyed to NAVD' 88 on January 26, 2004.

h = Well was dry.

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

NOTES:

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

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

Groundwater samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE.

Values for pH and DO levels are field measurements.

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

Table 2. Summary of Fuel Additives Analytical Data Station #276, 10600 MacArthur Blvd., Oakland, CA

Well and							oncentration	s in (ug/L)							
Sample Date	Ethanol	TBA	MtBE	DIPE	EtBE	TAME	1,2-DCA	EDB	trans-1,2	cis-1,2	VOC	Oxygen	PCE	TCE	Footnotes
MW-I															
12/17/2000		_	· _	_									5.09	1	
12/28/2001			entropy of the second			 							8,8		
11/27/2002	Greentelmanitation (C	→ :	-		[-					4.2		
7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					6.0		
11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50							3,0		
02/03/2004													1 4		
05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					34		
08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					4.5		
11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					4.9		
02/03/2005											10000000000000000000000000000000000000				e
05/09/2005	-	_			-	-	-		· · · · · · · · · · · · · · · · · · ·		100 100 100 100 100 100 100 100 100 100		_		
08/11/2005			-												
11/18/2005		<u></u>		-	_	_	. .		-		2 San Carlotte (1981)			· · · · · · · · · · · · · · · · · · ·	andoniaeeeg
02/01/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					38		e
5/30/2006		ėnimuomininio	CIARGIDAN MARKET	regioperatura a asserta	ir direction management	insentiginassassas	Environmento dos		_		_	-	-		g
8/11/2006 11/2/2006															g
	-			<u> </u>	-	_		-		- ·	<u> </u>		-		g
MW-2															
11/07/2003	<1,000	<200	110	<5.0	<5.0	28							<5.0		
02/03/2004	<500	<100	55	<5.0	<5.0	16	<2.5	<2.5	-	Het Gelenher in Destyte (SE)			<2.5		
05/04/2004	<500	<100	70	₹2.5	<2.5	15	<2.5	<2.5		-			<2.5		
08/12/2004	<500	<100	49	<2.5	<2.5	14	<2.5	<2.5	-		Control of the second of the s		<0.50		
11/10/2004	<200	<40	90	<1.0	<1.0	19	<1.0	<1.0					<1.0		
02/03/2005	<100	<20	37	<0.50	<0.50	13	<0.50	<0.50	_	-	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		<0.50	20 (1) Wenga katal. 	C
05/09/2005	<100	<20	56	<0.50	<0.50	17	<0.50	<0.50					<0.50		e
08/11/2005	<100	<20	50	<0.50	<0.50	8.5	<0.50	<0.50		-			<0.50		nation is a server of the
11/18/2005	<100	<20	49	<0.50	<0.50	11	<0.50	<0.50					<0.50		i i
02/01/2006	<300	<20	3.1	<0.50	<0.50	0.52	<0.50	<0.50					<0.50	-	e shakkaran ne
5/30/2006	<300	<20	64	<0.50	<0.50	12	<0.50	<0.50					<0.50		
8/11/2006	<300	<20	28	<0.50	<0.50	5,9	<0.50	<0.50					<0.50	-	
11/2/2006	<300	<20 <	40	<0.50	<0.50	7.9	<0.50	<0.50	-				<0.50		

Table 2. Summary of Fuel Additives Analytical Data Station #276, 10600 MacArthur Blvd., Oakland, CA

Well and						C	Concentration								
Sample Date	Ethanol	TBA	MtBE	DIPE	EtBE	TAME	1,2-DCA	EDB	trans-1,2	cis-1,2	VOC	Oxygen	PCE	TCE	Footnotes
MW-3															
12/17/2000		_	Ì _	_				_	_		_		150		
12/28/2001									1.5	13		 Lokal-Careria	158		
11/27/2002					-		-						310	20	
7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					110 80		
11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	######################################					-	80	-	
02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50					110		
05/04/2004	<200	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		_			110		
08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0,50					61		
11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					99		
02/03/2005	<100	<20	<0.50 =	<0.50	<0,50	<0.50	<0.50	<0.50			100 mar	a.v.javiau	160		е
05/09/2005	ت ت	_	-	-	-	-	-	-						-	
08/11/2005										100 100 100 100 100 100 100 100 100 100			77 <u>(20</u> com		
11/18/2005	um en		_	_		-	-	-	-	:	*****************	100112511511511111111111111111111111111	hr-grassassassas. 		alsenea############
02/01/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					110		
5/30/2006	entratarioriorio			on recognization and the	in .	-		<u>.</u>	_		-		. —	La salar de	
8/11/2006					: 5:65Th						- 11 - 11 io	data di - d eserta			g
11/2/2006		-		· · · -	-	<u></u>	-	<u> </u>	-		- 11 <u>-</u> 11 1	-		-	g
MW-4							'							```	
12/17/2000	A Plant Company			laculumantari (ililila			divisi seromina Manda es tablisa						225		MANGERÖLÜNEN NA
12/28/2001	-	-		-	-	-	32407 (14 <u>14 39) (123)</u>		_	-	_		160	1,2	
11/27/2002													95		
7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			-	**************************************	94		
11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50							68		
02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50				Balantala pakatusathi. P	83		
05/04/2004	<200	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		levio III decenti Parti III decent			81		
08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		_	ur verilike konstreliste	ng trappe AP LESS to be more projection.	59		
11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0,50	<0.50	<0.50					78		
02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	- 04040101041444444444	_	remember staverer (1981)	with the state of	61	Sens dispelanti V	e e
05/09/2005					_										
08/11/2005		interpretation of the state of	and the second second	-				_		-			-	-	ompressivities trave
11/18/2005						modal e (ar 6)									

Table 2. Summary of Fuel Additives Analytical Data Station #276, 10600 MacArthur Blvd., Oakland, CA

Well and						C	oncentration:	s in (μg/L)							
Sample Date	Ethanol	ТВА	MtBE	DIPE	EtBE	TAME	1,2-DCA	EDB	trans-1,2	cis-1,2	VOC	Oxygen	PCE	TCE	Footnotes
MW-4 Cont.															
02/01/2006	<300	⊘ 20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50					320	-	e
5/30/2006		-				-				- .	<u> </u>				g
8/11/2006	en de la companya de La companya de la co		oi ann air ilia i r												B
11/2/2006				-		-	-					-	-	-	g
MW-5															
12/17/2000						A Chile						 	1,040	L	
12/28/2001		-	######################################		_		_	_	36	140	1.9, 3.2, 2.0	-	3,200	190	a,b,c
11/27/2002	inga last carretir i Militari a T erroria					-			-				110		
7/22/2003	<200	<40	110	1.4	<1.0	3.2	12	<1.0					55	-	
11/07/2003	<500	<100	120	<2.5	<2.5	6.6	# 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5						42		
02/03/2004	<500	<100	71	<5.0	<5.0	<5.0	12	<2.5					130		
05/04/2004	<500	<100	150	<2.5	₹25	5.9	8.8	2 .5					36		
08/12/2004	<500	<100	140	<2,5	<2.5	10	10	<2.5	-	l . –			37	-	
11/10/2004	<200	<40	150		<1.0	9.5	9.8	<1.0					50		
02/03/2005	<100	<20	16	<0.50	<0.50	0.54	2.7	<0.50		<u> </u>	lanali ba		480		e
05/09/2005	<500	<100	140	<2.5	<2,5	9.2	10	<2.5				***************************************	78	######################################	e e
08/11/2005	<500	<100	160	<2.5	<2.5	10	9.6	<2.5					27	_	
11/18/2005	<500	<100	120	<2.5	<2.5	9.2	10	<2.5			Millions Doubles		19		f
02/01/2006	<750	<50	100	<1.2	<1.2	5.1	7.4	<1.2	i i i 	<u> </u>			470		е
5/30/2006	<1,500	<100	230	₹2,5	<2.5	11		<2.5					48		
8/11/2006	<1,500	<100	170	<2,5	<2.5	14	9.2	<2.5			icumicar Manuscrimos		24		
11/2/2006	<600	<40	160	<1.0	<1.0	12	7.8	<1.0					9.8		
MW-6					reliant to the control of the contro						***************************************		P. Control of Control		
11/07/2003	<1,000	<200 ⋅	<5.0	<5.0	<5.0	<5.0	-	-	L L	-			560		
02/03/2004	<500	<100	<2,5	<5,0	<5.0	<5.0	<2.5	<2.5					220		
05/04/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5					210	-	
08/12/2004	<100	<20	0.81	<0.50	<0.50	<0.50	<0,50	<0.50		 			750		
11/10/2004	<100	<20	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	_	-			530		
02/03/2005	<100	<20	<0.50	<0,50	<0.50	<0.50	<0.50	<0.50					85		e
05/09/2005		-	-			-		-							

Table 2. Summary of Fuel Additives Analytical Data Station #276, 10600 MacArthur Blvd., Oakland, CA

Well and						C	oncentrations	s in (µg/L)							•
Sample Date	Ethanol	TBA	MtBE	DIPE	EtBE	TAME	1,2-DCA	EDB	trans-1,2	cis-1,2	VOC	Oxygen	PCE	TCE	Footnotes
MW-6 Cont.															
08/11/2005] <100	<20	0.77	<0.50	<0.50	<0.50	<0.50	<0.50					610		
11/18/2005															
02/01/2006	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-				690		e .
5/30/2006			4 2 4 4 4 6 G				·								
8/11/2006	<3,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-				880	-	751141 31 H511F14-4-11 314
11/2/2006															
MW-7															
11/07/2003	<500	<100	53	<2.5	<2.5	13				. <u></u>			<2.5	_	
02/03/2004	<100	<20	32	<1.0	<1.0	7.4	<0.50	<0.50		15			0,74		
02/03/2005	<100	<20	14	<0.50	<0.50	3.9	<0.50	<0.50	: :			700000000000000000000000000000000000000	1.6		C
05/09/2005										-					
08/11/2005	<200	<40	21	<1.0	<1.0	4.7	<1.0	<1.0		_	Prise stratege en	e e est visite et le en literation	1.0	_	е
11/18/2005											11-17-15-1-15-1				
02/01/2006	<300	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50		- :			0.71	-	e
5/30/2006											= -				
8/11/2006	<300	<20	41	<0.50	<0.50	9.0	<0.50	<0.50	-	-	-		<0.50		
11/2/2006								100 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oute mention and						
MW-8					**************************************										
11/07/2003	<1,000	<200	440	<5.0	<5.0	18		-					<5.0	-	
02/03/2004	<2,500	<500	470	<25	<25	<25	<12	<12					<12		
05/04/2004	<2,000	<400	700	<10	<10	21	<10	<10		-			12		
08/12/2004	<5,000	<1,000	400	25	<25	<25	<25	<25		-			1.1		
11/10/2004	<1,000	<200	480	<5.0	<5.0	21	<5.0	<5.0	-				8.9	-	
02/03/2005	<100	<20	45	<0.50	<0.50	1.9	<0.50	<0,50					0,59		e e
05/09/2005	<1,000	<200	440	<5.0	<5.0	21	<5.0	<5.0					<5.0	_	e
08/11/2005	<1,000	<200	420	<5.0	<5.0	24	<5.0	<5.0					<0.50		e
11/18/2005	<1,000	<200	390	<5.0	<5.0	23	<5.0	<5.0					4.2		f
02/01/2006	<3,000	<200	600	<5.0	<5.0	21	<5.0	<5.0	3-3-				<0.50		e
5/30/2006	<3,000	<200	480	<5.0	<5.0	25	<5.0	<5.0	_		-		<5.0	<u> </u>	
8/11/2006	<300	<20	630	<0.50	<0.50	37	1.2	<0.50				1000 mg (1000 mg)	<0.50		

Table 2. Summary of Fuel Additives Analytical Data Station #276, 10600 MacArthur Blvd., Oakland, CA

Well and						С	oncentrations	s in (μg/L)							
Sample Date	Ethanol	TBA	MtBE	DIPE	EtBE	TAME	1,2-DCA	EDB	trans-1,2	cîs-1,2	VOC	Oxygen	PCE	TCE	Footnotes
MW-8 Cont.														!	
11/2/2006	<1,500	<100	660	<2.5	<2.5	43	<2.5	<2.5		rang nakati	1: 110 — 1110	i surrece—proces	<2.5		
RW-1															
11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	; · <u></u>	-		!			3.1	_	
02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50					0.76		
05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-			1.8	-	
08/12/2004	330/<100	<20	<0.50	<0.50	<0.50	<0.50	<0,50	<0,50		d ::::			2.9	_	ď
11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	_				5.2		
02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0,50	<0.50		Linear Control			1.7		e
05/09/2005		-								_	icinalmiciskopam	sammanni e sammanna — iku	: ::::::::::::::::::::::::::::::::::		
08/11/2005															
11/18/2005	Legisson de la contrarigia	onprocessions sections	ypakukannosa urusurtzast		anananiananananian	nionsinginggalopho			· · · · · · · · · · · · · · · · · · ·			grandeanteachtachtacht			udojegania pjeimije.
02/01/2006	<300	<20	<0,50	<0.50	<0.50	<0,50	<0.50	<0.50					1.7		e e
5/30/2006	eniolementelessy		— egusek kumakida												В
8/11/2006			Carthage co. at		1717-1417-1417-1417-1417-1417-1417-1417										B. B. B.
11/2/2006					<u>. :</u>	=			eza T.a.	1	- -				g
WGR-3															
05/04/2004	<100	2 0	11	<0.50	<0.50	2.4	<0.50	<0.50		**************************************			<0.50		
08/12/2004	<100	<20	35	<0.50	<0.50	7.5	<0.50	<0.50	-		e piere contra medicine antenne		<0.50	_	- noigieto goternosido
11/10/2004	<100	<20	5.6	<0.50	<0.50	1,3	<0.50	<0.50					<0,50		
02/03/2005	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	_	i i i i i i i i i i i i i i i i i i i			<0.50	_	e
05/09/2005		-				-									
08/11/2005		-	 										_		
11/18/2005		-		-0.50	-0.50	-0.50	<0.50	 <0.50					<0.50		e
02/01/2006	<300	<20	2.3	<0.50	<0.50	<0.50	<0.50	<0.5U 			denskiller som		VC,U/ 		adition (get becauses) estates
5/30/2006								-							g g
8/11/2006					oredon Entratory (1986)	la minimiski pi		- Handtardridini		landerto commente					minimization
11/2/2006	-									principality		1			g

SYMBOLS & ABBREVIATIONS:

- = Not analyzed/applicable/measured/available

<= Not detected at or above the laboratory reporting limit

1.2-DCA = 1.2-Dichloroethane

cis-1,2-DCE = cis-1,2-Dichloroethene

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

PCE = Tetrachloroethene

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

TCE = Trichloroethene

trans-1,2-DCE = trans 1,2-Dichloroethene

VOC = Volatile organic compounds

μg/L = Micrograms per Liter

BTEX = Benzene, toluene, ethylbenzene and xylenes

FOOTNOTES:

a = VOC 1,1 DCE detected at a concentration of 1.9 ug/L.

b = VOC 1,2 DCA detected at a concentration of 3,2 ug/L.

c = VOC Chlorobenzene detected at a concentration of 2.0 ug/L,

d = Ethanol was re-analyzed two days out of holding time and was not detected above a laboratory reporting limit of 100 ug/L.

e = Calibration verification for ethanol was within method limits but outside contract limits.

f = Sample for PCE analyzed after holding time expired.

g = Well sampled annually.

NOTES:

PCE was analyzed using EPA Method 8260B. Samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE.

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 #276, 10600 MacArthur Blvd., Oakland, CA

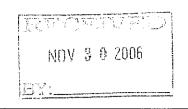
Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
12/17/2000	South-Southeast	0.003
12/28/2001	Southeast	0.002
11/27/2002	South-Southeast	0.003
7/22/2003	South	0.007
11/7/2003	Southwest	0.002
2/3/2004	South-Southwest	**************************************
5/4/2004	South-Southwest	0.003
8/12/2004	South	0.004
11/10/2004	Southwest	0.004
2/3/2005	Southwest	0.003
5/9/2005	South-Southwest	0:004
8/11/2005	South-Southwest	0.007
11/18/2005	Southwest	0.005
2/1/2006	Southwest	0.002
5/30/2006	South-Southwest	0.007
8/10/2006	South-Southwest	0.004
11/2/2006	South-Southwest	0.004

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

APPENDIX A

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





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

November 20, 2006

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

Re:

Groundwater Sampling Data Package, BP Service Station No. 276, located at 10600 MacArthur Boulevard, California (Quarterly Monitoring performed on November 1, 2006)

General Information

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

Phone Number: (530) 676-6000

On-Site Supplier Representative: Jerry Gonzales

Date: November 1, 2006

Arrival: 12:45 Departure: 14:40

Weather Conditions: Cloudy 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, chain of custody documentation, and 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, NC.

Jay R. Johnson, P.G.

Project Manager

No. 5867

Project Manager

Attachments:

- Field Data Sheets
- Chain of Custody Documentation
- Analytical Results

CC: Mr. Paul Supple, BP/ARCO

BP ALAMEDA PORTFOLIO

HYDROLOGIC DATA SHEET

Gauge Date: //-2-0-6 Project Name: Oakland - 10600 MacArthur Blvd.

Project Number: 276

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

Field Technician:

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

WELL OR LOCATION	TIME			MEASU	REMENT			PURGE & SAMPLE	SHEEN CONFIRMATION	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV		(w/bailer)	,
W-1	12:33			12.51	38,65					
NW.2	12:52			1578	25.1/ .3838					,
M. 1 pw. 2 pw. 3 pw. 4 pw. 5	12:21			28.4	38.38					
Mw-4	12:25				47.60					
NW 5	12:54			77.65	4668					
MW. 7	12:00			33./B	4870					
MW. 7	12:09				3663					
NW-8 RW-1,	12:50				4778					1
RW-1	7:17				48.79					
WERS	12:05			32772	26.82				,	
							ઇ .			
	1									
					:					
				Jr.						
										:

BP ALAMEDA PORTFOLIO WATER SAMPLE FIELD DATA SHEET WELL I.D.: MAN PURGED BY: ろこ PROJECT #: 276 SAMPLE I.D.: MW-SAMPLED BY: CLIENT NAME: LOCATION: Oakland - 10600 MacArthur Blvd. OA SAMPLES: ハーエのひ END (2400hr) DATE PURGED START (2400hr) **DATE SAMPLED** SAMPLE TIME (2400hr) SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other CASING DIAMETER: Other (0.17) (2.60)Casing Volume: (gallons per foot) (0.38)(1.02)DEPTH TO BOTTOM (feet) = CASING VOLUME (gal) = CALCULATED PURGE (gal) == DEPTH TO WATER (feet) = WATER COLUMN HEIGHT (feet) = ACTUAL PURGE (gal) = FIELD MEASUREMENTS DATE VOLUME CONDUCTIVITY TURBIDITY TIME TEMP. pН COLOR (2400hr) (gal) (degrees F) (umhos/cm) (units) (visual) (NTU) 3:6/ 200 1000 2.06 3.03 SAMPLE INFORMATION SAMPLE TURBIDITY: class SAMPLE DEPTH TO WATER: / All Gen 80% RECHARGE: NO ANALYSES: Voa. HCL ODOR: 465 SAMPLE VESSEL / PRESERVATIVE: PURGING EQUIPMENT SAMPLING EQUIPMENT Bailer (Teflon) Bladder Pump Bladder Pump Bailer (Teflon) PVC or \(\square\) disposable) Centrifugal Pump Bailer (PVC) Centrifugal Pump Bailer (Submersible Pump Bailer (Stainless Steel) Submersible Pump Bailer (Stainless Steel) Peristalic Pump Dedicated Peristalic Pump Dedicated Other: Other: Pump Depth: < and WELL INTEGRITY: REMARKS: SIGNATURE:

BP ALAMEDA PORTFOLIO WATER SAMPLE FIELD DATA SHEET WELLI.D.: Men 5 PURGED BY: \bigcirc 276 PROJECT #: SAMPLE I.D.: MW-5 SAMPLED BY: CLIENT NAME: Oakland - 10600 MacArthur Blvd. LOCATION: QA SAMPLES: END (2400hr) //3 & START (2400hr) DATE PURGED SAMPLE TIME (2400hr) DATE SAMPLED SAMPLE TYPE: Groundwater Surface Water Treatment Effluent CASING DIAMETER: Other (1.02) (2.60)(0.17)(0.38) Casing Volume: (gallons per foot) 36-63 DEPTH TO BOTTOM (feet) = CASING VOLUME (gal) = CALCULATED PURGE (gal) = DEPTH TO WATER (feet) = ACTUAL PURGE (gal) = WATER COLUMN HEIGHT (feet) = FIELD MEASUREMENTS CONDUCTIVITY COLOR TURBIDITY DATE TIME VOLUME TEMP. pН (umhos/cm) (visual) (NTU) (gal) (degrees F) (units) (2400hr) 70.9 686 SAMPLE INFORMATION SAMPLE TURBIDITY: - lae-SAMPLE DEPTH TO WATER: 80% RECHARGE: YES ANALYSES: 200 GEA NO SAMPLE VESSEL / PRESERVATIVE: 100 018 ODOR: //es SAMPLING EQUIPMENT PURGING EQUIPMENT Bladder Pump Bladder Pump Bailer (Teflon) Bailer (Teflon) Bailer (PVC or × disposable) Centrifugal Pump Bailer (PVC) Centrifugal Pump Submersible Pump Bailer (Stainless Steel) Submersible Pump Bailer (Stainless Steel) Peristalic Pump Peristalic Pump Dedicated Dedicated Other: Other: Pump Depth: WELL INTEGRITY: COOL REMARKS: Page SIGNATURE:

BP ALAMEDA PORTFOLIO WATER SAMPLE FIELD DATA SHEET WELLID: NOW 8 PURGED BY: 276 PROJECT #: SAMPLE I.D.: ACC. SAMPLED BY: CLIENT NAME: QA SAMPLES: LOCATION: Oakland - 10600 MacArthur Blvd. END (2400hr) / 4 // START (2400hr) / 4 :0 7 DATE PURGED //. 7.06 DATE SAMPLED SAMPLE TIME (2400hr) Treatment Effluent Other Surface Water SAMPLE TYPE: Groundwater Other CASING DIAMETER: (1.50) (2.60)(0.38) (1.02)(0.17)Casing Volume: (gallons per foot) CASING VOLUME (gai) = DEPTH TO BOTTOM (feet) = CALCULATED PURGE (gal) = DEPTH TO WATER (feet) = ACTUAL PURGE (gal) = WATER COLUMN HEIGHT (feet) = FIELD MEASUREMENTS CONDUCTIVITY COLOR TURBIDITY VOLUME TEMP. pH DATE TIME (units) (degrees F) (umhos/cm) (visual) (NTU) (2400hr) (gal) 20% 15/15 Roke 14.6 1110 8 SAMPLE INFORMATION 26.38 SAMPLE TURBIDITY: clash SAMPLE DEPTH TO WATER: ANALYSES: All Gen 80% RECHARGE: YES NO ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 1/09 SAMPLING EQUIPMENT PURGING EQUIPMENT Bladder Pump Bladder Pump Bailer (Teflon) Bailer (Teflon) Bailer (PVC or X disposable) Centrifugal Pump Centrifugal Pump Bailer (PVC) Bailer (Stainless Steel) Bailer (Stainless Steel) Submersible Pump Submersible Pump Dedicated Peristalic Pump Dedicated Peristalic Pump Other: Other: Pump Depth: 47 LOCK#: Master WELL INTEGRITY: GOOD REMARKS: 1) 0 1,46 Page SIGNATURE: (/ G-

Page <u>I</u> of 1



Chain of Custody Record

Project Name: Arco 276
BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > CA > Alameda

>276

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

On-site Time: 1245	Temp: cool
Off-site Time: 11440	Temp: Cool
Sky Conditions: Cloudy	
Meteorological Events: mond.	
Wind Speed:	Direction: 1/A

	Name: TestAmerica					BP/AR Facility	√o.:		276						_	710	-	_								
	dress: 885 Jarvis Drive					BP/AR Facility				0600	MacArthur Blvd., Oakla						nsulte					Stratus En	vironme	ntal, Inc) .	
Mo	rgan Hill, CA 95937					Site Lat/Long:				0000	MacAl thur Bivu., Oakia	ina				_ A	dress		333	30 C	ame	ron Park D	rive, Sı	1ite 55()	
	PM: Lisa Race					California Globa	I ID#:	T06	0010	2317						- -	 -		Car	merc	<u>n P</u>	ark, CA 95	582			
	e/Fax: 408-782-8156 408-782-630	08 (fax)				Enfos Project No).;		0010	1012						_ <u> C</u> o	nsulte	nt/C	ontra	ctor.	Proj	ect No.:				
	AR PM Contact: Paul Supple					Provision or RCC		rcle one	3		Provision					7	nsulta						Jay Joh			
Add	lress: 2010 Crow Canyon Place, Suit	te 150				Phase/WBS:	<u> </u>	04-M		ina	Provision					┑	e/Fax		(53)	0) 6'	<u> 76-6</u>	5000 / (530)	676-6	005		
	San Ramon, CA	-			***	Sub Phase/Task;	·	03-An								Re	ort T	ype &	₽ QC	Lev	/el:		Level 1	with El)F	
	Fax: 925-275-3506					Cost Element:		01-Co			202					E-1	nail El	DD 1	Γo:	<u>cie</u> v	witte	@stratusin	c.net			
Lab	Bottle Order No:			Ţ	Matri	x	7/-		110 00		/	—r				Inv	oice to	: At	tlanti	c Ric	hfie	ld Co.				
		7		<u> </u>	ΤТ	-	-	<u> </u>	т	7	r reservative	-			Req	ueste	d An	alysi:	5							
		Time	Date	Soil/Solid	Water/Liquid		ofC	Unpreserved	ESO,	-INO	ICI fethanol		1EX 8021	TEX/0xy*/TPHg	A- 8260	A 8270	2-DCA	B	anol by 8260	E by 8010		Comme MtBE, T	nts: Oz AME, I	cygenat DIPE, E	es ind	clude TBA.
	MW-2	13 15	4-2-6		-				十	†=	Ţ 	⊣ Ľ	<u> </u>	IΨ	<u> </u>	<u> </u>	_=1		苗	<u>ان</u>						ı
_	MW-5	13/0	11-2-06						+	┿-	X	_	\perp	X	Į,		\mathbf{x}	x	$\mathbf{x} \mid \mathbf{x}$	χŢ						
			-				12		┷	1_	X		-	х			x l	_	_	_						——
├ ──			11-2-6		X		6		1		x							_	_							
<u> </u>	715-27611206	600	11-2-6				2		\top	 		╼╟╴			+	-4	<u>X </u> 2	42	X)	<u>x </u>]
1	-						一		╁┈	┼—	 	_ _		X			<u> </u>		x la	Y	- 1	Kal	d_			
						╂			4_	<u> </u>		_#_		1 1		- [T	$\overline{\cdot}$					
				_					j]		$\neg \Gamma$				_		_	$\neg +$	┰┼	╢					
<u> </u>					[<u> </u>						- -	┪—	╀╌┤				+		-+						i
					\Box				†		<u> </u>	- -	 	┦┈┤	_	_		1			_			_		
				+	\dashv		$\ - \ $		╂—			╝			Í		-	-			$\neg \Gamma$					-
			i	-		<u> </u>			L	L			T	П		_†		\top	+	+	╁		-		- 30	
Come	loda N	<u>_</u>										╢	+-	╆═╅	-+	-+		+-		- -	-			<u> </u>	<u>t </u>	
Сашр	ici s Name: Johny 6002	acc					Rel	inguishe	d By	Affil	intion	- -	<u> </u>	 _							_/_					
Samp	lers Company: Upulba					Deda	~									 .		_Ae	cepte	d By	/A 5	Oliation		Date	7	Time
						10				 -		_W/	100	123	<u> 21</u>				_							
												-				E		7						7270	9/2	-20
		· · · · · · · · · · · · · · · · · · ·										<u> </u>												 	╢-	
Special	Instructions:	lease co	results t	o b	pyalle	v@secor.com			 -			<u></u>													╬	
						2 5 5 5 5 5 1 1 COM			·										 -		_					
Custod	Sample Description Sample																									
I	Distribution: White Copy - Labor	ratory / `	Yellow (Con	v - BI	P/Atlantic Rightsol-	C-	/ D:1		(ooler Temperature on R	(ecei	pt	I ⁰	7/C					Τr	in P	lenk Vac				
		-		-P.	,		CU,	/ PINK	Сору	' - Co	onsultant/Contractor						·									
																					ъr	LUL Key, 4	10/1/04			

20 November, 2006

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

RE: ARCO #0276, Oakland, CA

Work Order: MPK0166

Enclosed are the results of analyses for samples received by the laboratory on 11/04/06 15:30. If you have any questions concerning this report, please feel free to contact me.

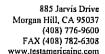
Sincerely,

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 #0276, Oakland, CA	MPK0166
3330 Cameron Park Dr., Suite 550	Project Number: G0C20-	Reported:
Cameron Park CA, 95682	Project Manager: Jay Johnson	11/20/06 10:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MPK0166-01	Water	11/02/06 13:15	11/04/06 15:30
MW-5	MPK0166-02	Water	11/02/06 13:40	11/04/06 15:30
MW-8	MPK0166-03	Water	11/02/06 14:20	11/04/06 15:30
TB-27611206	MPK0166-04	Water	11/02/06 06:00	11/04/06 15:30

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with no custody seals.





Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682 Project: ARCO #0276, Oakland, CA

Project Number: G0C20-Project Manager: Jay Johnson MPK0166 Reported: 11/20/06 10:59

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Алаlyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MPK0166-01) Water Sampled:	11/02/06 13:15	Received:	11/04/06	15:30					
Gasoline Range Organics (C4-C12)	270	50	ug/l	1	6K10004	11/10/06	11/10/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		104 %	60-	145	11	п	H	rt	
MW-5 (MPK0166-02RE1) Water Samp	led: 11/02/06 13	3:40 Recei	ved: 11/0	04/06 15:30	D				
Gasoline Range Organics (C4-C12)	100	50	ug/l	1	6K13002	11/13/06	11/13/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		104 %	60-	145	н	tt	"	**	
MW-8 (MPK0166-03) Water Sampled:	11/02/06 14:20	Received:	11/04/06	15:30					
Gasoline Range Organics (C4-C12)	370	250	ug/l	5	6K10004	11/10/06	11/10/06	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		106 %	60-	145	"	71	n	rr	





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

Project: ARCO #0276, Oakland, CA

Project Number: G0C20-Project Manager: Jay Johnson MPK0166 Reported: 11/20/06 10:59

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

Annlyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MPK0166-01) Water	Sampled: 11/02/06 13:15	Received:	11/04/06 1	5:30					
tert-Amyl methyl ether	7.9	0.50	ug/l	1	6K10004	11/10/06	11/10/06	EPA 8260B	
Benzene	0.64	0.50	II .	п	п	Ħ	II .	**	
tert-Butyl alcohol	ND	20	19	n	п	н	IP .	Ħ	
Di-isopropyl ether	ND	0.50	P	n	II	U	It	ti	
1,2-Dibromoethane (EDB)	ND	0.50	Iŧ	н	II	11	It	Ħ	
1,2-Dichloroethane	ND	0.50	It	н	II.	19	н	Ħ	
Ethanol	ND	300	10	N	II	n	И	**	
Ethyl tert-butyl ether	ND	0.50	H	(1	н	H	If	H	
Ethylbenzene	ND	0.50	Ħ	u	И	14	If)I	
Methyl tert-butyl ether	40	0.50	It	0	11	17	If	11	
Toluene	ND	0.50	IS	н	и	н	If	11	
Xylenes (total)	ND	0.50	l†	H	II .		H	И	
Surrogate: Dibromofluorometha	ne	97 %	75-13	0	"	н	11	11	
Surrogate: 1,2-Dichloroethane-a	14	104 %	60-14	15	rr rr	n .	Tf	tr .	
Surrogate: Toluene-d8		100 %	70-13	0	n	n	Ħ	"	
Surrogate: 4-Bromofluorobenzer	1е	106 %	60-12	0	"	u	Tf .	n	
MW-5 (MPK0166-02) Water	Sampled: 11/02/06 13:40	Received:	11/04/06 1	5:30					
tert-Amyl methyl ether	12	1.0	ug/l	2	6K10004	11/10/06	11/10/06	EPA 8260B	
Benzene	ND	1.0	le .	H	И	It	Ħ	**	
tert-Butyl alcohol	ND	40	10	n	11	17	Ħ	я	
Di-isopropyl ether	ND	1.0	H	H	n	IF.	п	**	
1,2-Dibromoethane (EDB)	ND	1.0	ěř.	10	n	н	Ħ	**	
1,2-Dichloroethane	7.8	1.0	er .	IF	n	lt.	Ħ	н	
Ethanol	ND	600	"	lr .	н	Ħ	0	tt	
Ethyl tert-butyl ether	ND	1.0	н	jr.	n	41	n	tt	
Ethylbenzene	ND	1.0	n	If	. н	41	n	n	
Methyl tert-butyl ether	160	1.0	n	IP	н	11	IJ	n	
Toluene	ND	1.0	#1	IF	17	#1	u	Ħ	
Xylenes (total)	ND	1.0	**	It .	Ħ	н	n	**	
Surrogate: Dibromofluorometha	ne	96 %	75-13	0	n	n	11	H	
Surrogate: 1,2-Dichloroethane-a	14	106%	60-14	5	H	rt	"	rr .	
Surrogate: Toluene-d8		94 %	70-13	0	"	n	**	n	
Surrogate: 4-Bromofluorobenzer	пе	95 %	60-12	0	n	"	n	n	





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

Project: ARCO #0276, Oakland, CA

Project Number: G0C20-Project Manager: Jay Johnson MPK0166 Reported: 11/20/06 10:59

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-8 (MPK0166-03) Water	Sampled: 11/02/06 14:20	Received:	11/04/06	15:30					
tert-Amyl methyl ether	43	2.5	ug/l	5	6K10004	11/10/06	11/10/06	EPA 8260B	
Benzene	ND	2.5	Jt .	It	**	II .	11	**	
tert-Butyl alcohol	ND	100	н	н	*1	11	IJ	11	
Di-isopropyl ether	ND	2.5	н	И	ti	Д	II	ii .	
1,2-Dibromoethane (EDB)	ND	2.5	Ħ	И	ti	11	II	**	
1,2-Dichloroethane	ND	2,5	tl .	н	o o	11	11	**	
Ethanol	ND	1500	#1	п	н	**	n	**	
Ethyl tert-butyl ether	ND	2.5	#	h	н	*1	н	**	
Ethylbenzene	ND	2.5	tı	h	n	*1	11	u	
Methyl tert-butyl ether	660	2.5	#	н	u	ŧI	16	и	
Toluene	ND	2.5	п	n	0	n	##	U	
Xylenes (total)	ND	2.5	ti	**	H	Ħ	*1	n	
Surrogate: Dibromofluoromethan	e	96 %	75-1	130	"	#	Ħ	32	
Surrogate: 1,2-Dichloroethane-d4	<i>t</i>	106 %	60-1	145	n	н	n	H	
Surrogate: Toluene-d8		95 %	70-1	130	"	"	"	**	
Surrogate: 4-Bromofluorobenzene	2	95 %	60-1	120	#	rr	ıı	"	





Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682 Project: ARCO #0276, Oakland, CA

MPK0166 Reported: 11/20/06 10:59

Project Number: G0C20-Project Manager: Jay Johnson

EPA 8010 list Volatile Organic Compounds by EPA 8260B TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MPK0166-01) Water	Sampled: 11/02/06 13:15	Received:	11/04/06 1	5:30					
Tetrachloroethene	ND	0.50	ug/l	1	6K10004	11/10/06	11/10/06	EPA 8260B	
Surrogate: Dibromofluoromethan	ne	97 %	65-13	30	n	"	#	H	
Surrogate: 1,2-Dichloroethane-d	4	104 %	60-13	35	u	tt	11	u	
Surrogate: Toluene-d8		100 %	70-12	20	"	"	п	"	
Surrogate: 4-Bromofluorobenzen	e	106 %	70-12	20	"	11	n	"	
MW-5 (MPK0166-02) Water	Sampled: 11/02/06 13:40	Received:	11/04/06 1	5:30					
Tetrachloroethene	9.8	1.0	ug/l	2	6K10004	11/10/06	11/10/06	EPA 8260B	
Surrogate: Dibromofluoromethan	е	96 %	65-13	30	н	"	Tr .	rt	
Surrogate: 1,2-Dichloroethane-d	4	106 %	60-13	35	n	0	Ħ	n	
Surrogate: Toluene-d8		94 %	70-12	20	**	n	"	rr .	
Surrogate: 4-Bromofluorobenzen	е	95 %	70-12	20	"	"	**	rt	
MW-8 (MPK0166-03) Water	Sampled: 11/02/06 14:20	Received:	11/04/06 1	5:30					
Tetrachloroethene	ND	2.5	ug/l	5	6K10004	11/10/06	11/10/06	EPA 8260B	
Surrogate: Dibromofluoromethan	ie	96 %	<i>65-13</i>	30	"	rr .	n	11	
Surrogate: 1,2-Dichloroethane-d	4	106 %	60-13	35	"	"	"	n	
Surrogate: Toluene-d8		95 %	70-12	20	u	11	n	II .	
Surrogate: 4-Bromofluorobenzen	e	95 %	70-12	20	"	"	"	rr	





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

Project: ARCO #0276, Oakland, CA

Project Number: G0C20-Project Manager: Jay Johnson MPK0166 Reported: 11/20/06 10:59

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 6K10004 - EPA 5030B P/T /	LUFT GCMS									
Blank (6K10004-BLK1)				Prepared	& Analyze	ed: 11/10/	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.60		"	2.50		104	60-145			
Laboratory Control Sample (6K10004	-BS2)			Prepared	& Analyze	ed: 11/10/	06			
Gasoline Range Organics (C4-C12)	440	50	ug/l	440		100	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.73		н	2.50		109	60-145			
Laboratory Control Sample Dup (6K1	0004-BSD2)			Prepared	& Analyze	d: 11/10/	06			
Gasoline Range Organics (C4-C12)	440	50	ug/l	440		100	75-140	0	20	
Surrogate: 1,2-Dichloroethane-d4	2.80		11	2.50	***	112	60-145			
Batch 6K13002 - EPA 5030B P/T /	LUFT GCMS									
Blank (6K13002-BLK1)				Prepared	& Analyze	ed: 11/13/	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2,60		n	2.50		104	60-145			
Laboratory Control Sample (6K13002	-BS2)			Prepared	& Analyze	ed: 11/13/	06			
Gasoline Range Organics (C4-C12)	357	50	ug/l	440		81	75-140			•
Surrogate: 1,2-Dichloroethane-d4	2.72		п	2.50		109	60-145			
Laboratory Control Sample Dup (6KI	3002-BSD2)			Prepared	& Analyze	ed: 11/13/	06			
Gasoline Range Organics (C4-C12)	357	50	ug/l	440		81	75-140	0	20	
Surrogate: 1,2-Dichloroethane-d4	2.79		Tr	2,50		112	60-145			





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

Project: ARCO #0276, Oakland, CA

Spike

Source

%REC

Project Number: G0C20-Project Manager: Jay Johnson

Reporting

MPK0166 Reported: 11/20/06 10:59

RPD

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

Analyte	Result	Limit	Units	Leve!	Result	%REC	Limits	RPD	Limit	Notes
Batch 6K10004 - EPA 5030B P/T	/ EPA 8260B									
Blank (6K10004-BLK1)				Prepared	& Analyze	ed: 11/10/0	06			
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	н							
tert-Butyl alcohol	ND	20	II.							
Di-isopropyl ether	ND	0.50	H							
1,2-Dibromoethane (EDB)	ND	0.50	II.							
1,2-Dichloroethane	ND	0.50	и							
Ethanol	ND	300	и							
Ethyl tert-butyl ether	ND	0.50								
Ethylbenzene	ND	0.50	I#							
Methyl tert-butyl ether	ND	0.50	H							
Toluene	ND	0.50	Ħ							
Xylenes (total)	ND	0.50	14							
Surrogate: Dibromofluoromethane	2.41		"	2.50		96	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.60		"	2,50		104	60-145			
Surrogate: Toluene-d8	2.41		Tr .	2.50		96	70-130			
Surrogate: 4-Bromofluorobenzene	2.45		n	2.50		98	60-120			
Laboratory Control Sample (6K10004	4-BS1)			Prepared o	& Analyze	ed: 11/10/0	06			
tert-Amyl methyl ether	11.6	0.50	ug/l	10.0		116	65-135			
Benzene	10.7	0.50	n	0.01		107	70-125			
tert-Butyl alcohol	190	20	н	200		95	60-135			
Di-isopropyl ether	11,2	0.50	н	10.0		112	70-130			
1,2-Dibromoethane (EDB)	10.3	0.50	н	10.0		103	80-125			
1,2-Dichloroethane	11.5	0.50	И	10.0		115	75-125			
Ethanol	196	300	n	200		98	15-150			
Ethyl tert-butyl ether	11.8	0.50	14	10.0		118	65-130			
Ethylbenzene	10.3	0.50	H	10.0		103	70-130			
Methyl tert-butyl ether	11.6	0.50	H	10.0		116	50-140			
Toluene	10.3	0.50	11	10.0		103	70-120			
Xylenes (total)	30.7	0.50	14	30.0		102	80-125			
Surrogate: Dibromofluoromethane	2.55		"	2.50	****	102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.84		n	2.50		114	60-145			
Surrogate: Toluene-d8	2.46		n	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.47		u	2.50		99	60-120			





Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682 Project: ARCO #0276, Oakland, CA

Spike

Source

%REC

Project Number: G0C20-Project Manager: Jay Johnson

Reporting

MPK0166 Reported: 11/20/06 10:59

RPD

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

Analyte	Result	Reporting Limit	Units	Spike Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6K10004 - EPA 5030B P/T / I						, arce			Liuin	110123
Matrix Spike (6K10004-MS1)		PK0166-02		Prepared	& Analyz	ed: 11/10/	06			
tert-Amyl methyl ether	39.4	1.0	ug/l	20.0	12	137	65-135			LM
Benzene	21.9	1.0	n	20.0	ND	110	70-125			
tert-Butyl alcohol	417	40	u	400	ND	104	60-135			
Di-isopropyl ether	23.6	1.0	0	20.0	0.84	114	70-130			
1,2-Dibromoethane (EDB)	21.5	1.0	0	20.0	ND	108	80-125			
1,2-Dichloroethane	31.8	1.0	10	20.0	7.8	120	75-125			
Ethanol	466	600	If	400	ND	116	15-150			
Ethyl tert-butyl ether	23.1	1.0	17	20.0	ND	116	65-130			
Ethylbenzene	21.1	1.0	и	20.0	ND	106	70-130			
Methyl tert-butyl ether	199	1.0	ŧ	20.0	160	195	50-140			BB,LM
Toluene	21.1	1.0	ŧ	20.0	ND	106	70-120			
Xylenes (total)	63.6	1.0	II.	60.0	ND	106	80-125			
Surrogate: Dibromofluoromethane	2.57		"	2.50		103	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.66		"	2.50		106	60-145			
Surrogate: Toluene-d8	2,48		**	2.50		99	70-130			
Surrogate: 4-Bromofluorobenzene	2,45		n	2.50		98	60-120			
Matrix Spike Dup (6K10004-MSD1)	Source: M	PK0166-02		Prepared .	& Analyze	d: 11/10/	06			
tert-Amyl methyl ether	37.7	1.0	ug/l	20.0	12	128	65-135	4	25	
Benzene	21.2	1.0	н	20.0	ND	106	70-125	3	15	
tert-Butyl alcohol	412	40	n	400	ND	103	60-135	1	35	
Di-isopropyl ether	23.1	1.0	н	20.0	0.84	111	70-130	2	35	
1,2-Dibromoethane (EDB)	20.9	1.0	Ħ	20.0	ND	104	80-125	3	15	
1,2-Dichloroethane	30.1	1.0	n	20.0	7.8	112	75-125	5	10	
Ethanol	527	600	н	400	ND	132	15-150	12	35	
Ethyl tert-butyl ether	22.5	1.0	ti	20.0	ND	112	65-130	3	35	
Ethylbenzene	20.4	1.0	Ħ	20.0	ND	102	70-130	3	15	
Methyl tert-butyl ether	187	1.0	Ħ	20.0	160	135	50-140	6	25	
Тоіцепе	20.6	1.0	н	20.0	ND	103	70-120	2	15	
Xylenes (total)	61.4	1.0	н	60.0	ND	102	80-125	4	15	
Surrogate: Dibromofluoromethane	2.52		н	2.50		101	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.65		**	2,50		106	60-145			
Surrogate: Toluene-d8	2.44		"	2.50		98	70-130			

2.50

2.35

Surrogate: 4-Bromofluorobenzene

60-120





Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682 Project: ARCO #0276, Oakland, CA

Spike

Source

Project Number: G0C20-Project Manager: Jay Johnson MPK0166 Reported: 11/20/06 10:59

RPD

%REC

EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control TestAmerica - Morgan Hill, CA

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6K10004 - EPA 5030B P/T / E	EPA 8260B									
Blank (6K10004-BLK1)				Prepared	& Analyz	ed: 11/10/	06			
Tetrachloroethene	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	2.41		n	2.50		96	65-130			
Surrogate: 1,2-Dichloroethane-d4	2.60		"	2.50		104	60-135			
Surrogate: Toluene-d8	2,41		rr .	2.50		96	70-120			
Surrogate: 4-Bromofluorobenzene	2.45		"	2.50		98	70-120			
Laboratory Control Sample (6K10004-B	BS1)			Prepared .	& Analyz	ed: 11/10/	06			
Tetrachloroethene	9.70	0,50	ug/l	10.0		97	75-130			****
Surrogate: Dibromofluoromethane	2.55		"	2.50		102	75-130	··········		
Surrogate: 1,2-Dichloroethane-d4	2.84		"	2.50		114	60-145			
Surrogate: Toluene-d8	2.46		**	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.47		n	2.50		99	60-120			
Matrix Spike (6K10004-MS1)	Source: MP	K0166-02		Prepared .	& Analyze	ed: 11/10/	06			
Tetrachloroethene	30.7	1.0	ug/l	20.0	9.8	104	85-125			
Surrogate: Dibromofluoromethane	2.57		n	2.50		103	65-130			
Surrogate: 1,2-Dichloroethane-d4	2.66		H	2.50		106	60-135			
Surrogate: Toluene-d8	2.48		"	2.50		99	70-120			
Surrogate: 4-Bromofluorobenzene	2.45		"	2.50		98	70-120			
Matrix Spike Dup (6K10004-MSD1)	Source: MP	K0166-02		Prepared	& Analyze	ed: 11/10/6	06			
Tetrachloroethene	29.7	1.0	ug/l	20.0	9.8	100	85-125	3	15	
Surrogate: Dibromofluoromethane	2.52		n	2.50		101	65-130			
Surrogate: 1,2-Dichloroethane-d4	2.65		n	2.50		106	60-135			
Surrogate: Toluene-d8	2.44		,,,	2.50		98	70-120			
Surrogate: 4-Bromofluorobenzene	2.35		n	2.50		94	70-120			



MPK0166

Reported:

11/20/06 10:59



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

Project: ARCO #0276, Oakland, CA

Project Number: G0C20-Project Manager: Jay Johnson

Notes and Definitions

PV Hydrocarbon result partly due to individ. peak(s) in quant. range

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).

BB,LM Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Lisa Race

From: Sandy Hayes [shayes@stratusinc.net]

Sent: Tuesday, November 07, 2006 1:44 PM

To: Lisa Race

Subject: RE: Please verify global ID change for ARCO#0276

Hi Lisa.

Sorry about that...Please use the existing number T0600108312....it appears a few numbers were left off the previous COC.

Thanks! Sandy

----Original Message-----

From: Lisa Race [mailto:lrace@testamericainc.com] **Sent:** Tuesday, November 07, 2006 1:31 PM

To: shayes@stratusinc.net

Subject: RE: Please verify global ID change for ARCO#0276

Sandy,

The ID you listed it the new one on the COC. Is that the correct one?

Lisa Race Senior Project Manager, Morgan Hill, CA TestAmerica Analytical Testing Corporation

Tel.: 408-776-9600 Direct.: 408-782-8156 Fax: 408-782-6308

e-mail: <u>Irace@testamericainc.com</u> NOTE NEW E-MAIL ADDRESS

This transmission contains information that may be legally confidential. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this transmission in error, please reply immediately to the sender that you have received the message in error. Because access to receiving equipment is not under our control, we cannot be responsible for the confidentiality of electronically transmitted data.

From: Sandy Hayes [mailto:shayes@stratusinc.net] Sent: Tuesday, November 07, 2006 11:54 AM

To: Lisa Race Cc: Steve Carter

Subject: RE: Please verify global ID change for ARCO#0276

Hi Lisa,

The previous ID of T0600108312 is the correct ID number. I will correct on our COC.

Thank you, Sandv

----Original Message----

From: Steve Carter [mailto:scarter@stratusinc.net]
Sent: Tuesday, November 07, 2006 11:38 AM

To: Sandy Hayes

Subject: FW: Please verify global ID change for ARCO#0276

----Original Message-----

From: Lisa Race [mailto:lrace@testamericainc.com] Sent: Tuesday, November 07, 2006 11:26 AM

To: cjewitt@stratusinc.net; gkowtha@stratusinc.net; jjohnson@stratusinc.net;

knagaraju@stratusinc.net; scarter@stratusinc.net; Scott Bittinger; tarkus@stratusinc.net

Subject: Please verify global ID change for ARCO#0276

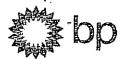
The attached COC has a different global ID than previously used for this site. Please verify the change. The previous ID # was T0600100082. Thanks you for the help.

Lisa Race Senior Project Manager, Morgan Hill, CA TestAmerica Analytical Testing Corporation Tel.: 408-776-9600

Direct.: 408-782-8156 Fax: 408-782-6308

e-mail: <u>Irace@testamericainc.com</u> NOTE NEW E-MAIL ADDRESS

^{***}This transmission contains information that may be legally confidential. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this transmission in error, please reply immediately to the sender that you have received the message in error. Because access to receiving equipment is not under our control, we cannot be responsible for the confidentiality of electronically transmitted data.***



Chain of Custody Record

Project Name: Arco 276
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda

>276

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

On-site Time: 11-45	Temp: cool
Off-site Time: 1440	Temp: Look
Sky Conditions: Cloudy	-
Meteorological Events: mone	_
Wind Speed:	Direction: 1/ 6

r - 1 >	1					 10																				
	Name: TestAmerica					_	BP/AR Facility No.		276													actor:		Stratus Environmental		
_	ess: 885 Jarvis Drive					—;-	BP/AR Facility Add	iress:	:	106	00 M	lacArthur Blvd., ()akian	id				Αι	dress	3:	33	<u> 30 C</u>	amer	ron Park Drive, Suite	550	
$\overline{}$	gan Hill, CA 95937					—	Site Lat/Long:					 ;						┵						ırk, CA 95682		
1	PM: Lisa Race					—⊩	California Global II	<u>ን#:</u>	T06001	10831	12	•						Co	nsult	ant/C	ontro	actor	Proje	ct No.:		
:==	Fax: 408-782-8156 408-782-6308	3 (fax)				≕⊩	Enfos Project No.:						·					Co	nsult	ant/C	ontra	actor	PM:	Jay Johnso	п.	
	R PM Contact: Paul Supple					╜	Provision or RCOP	(cin	cle one)			Provision						Te	le/Fa	X,	(53	30) 6	76-6	000 / (530) 676-600	5	
Addre	ess: 2010 Crow Canyon Place, Suite	3 150				╝	Phase/WBS;		04-Moni	itorin	g							Re	port :	Гура	& Q	C Lev	vel:	Level I wi	th EDF	
<u> </u>	San Ramon, CA						Sub Phose/Tosk:		03-Analy	ytical								E-	nail I	EDD	To;	cje	witte	@stratusinc.get.		
Telc/							Cost Element:		01-Cont	ractor	r Inbo	or .						[n·	oice	to; A	Man	ic Ri	chfiel	d Co.		
Lab l	Bottle Order No:			N	Antrix						P	reservative					Re	quest	ed A	nalys	ie		\neg			
Item No.	Sample Description	Тіпе	Date		Water/Liquid		Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₂	HNO,	HCI	Methanoi		BTEX 8021	BIEX/IPH	BTEX/Oxy*/TPHg	EBA 8270	1. 2-DCA	EDB	Ethanol by 8260	PCB by 8010		Sample Point L. Comments: Oxyg MtBE, TAME, DH ethanol, 1,2-D	genates in PE, EtBE	nclude E, TBA,
	MW-2	13 15	11-2.46		х	$\neg \Gamma$	υl	S			П	х			T		χX	Т	x	х	х	х	\prod			
	MW-5	1340	11-2.06		х	╗	02	12				х		7	十		X		x		x	_	H			
	MW-8		1	П	х	┪	703	6				x		1	一十		XX	╁	x		x	_	\forall	-		
	T13.27611206	$\overline{}$	11-2-6			1	рч	2,		\Box	Г	X			一		· 7	+		_	_	X	\vdash	hold		
				H		1	7							┪	\dashv	十	1	+	+	1	7	屵	+	Noun		
		╫┈┤		H	\vdash	╁		H		\vdash	一		┢┈┼	┪	\dashv	╅	_	+	╁		+	+	┼┤			
 		╟─┤		╟┦	$\vdash \vdash$	╁		H	<u> </u>	\vdash	\vdash			╢	\dashv	-+	+	+	╀	╁	+	+-	╂┤			
 	 	\parallel —— \parallel	\vdash	╟┤	$\vdash \vdash$	╬		╟┤	ļ —	$\vdash\vdash$	\vdash			╬				+	╀	-	┼	┿	╀┦			
⊩	<u></u> '		<u> </u>	╟┤		╬		$\mid - \mid$		 	<u> </u>		-				_	\perp	+	+	╄	┿	igspace			7
<u> </u>		 	ļI	╟┦	\vdash	-∦				\sqcup	igspace			4	_	_	_	_	\bot	<u> </u>	╄	┷	igsquare		<u>3.4</u>	
E	pler's Name: Jorry 60012	<u></u>	<u> </u>			╬				<u> </u>	<u> </u>]	Ш	_				4	<u>l.,</u>			<u> </u>	<u> </u>			
						╌╠	0 7	R	elinquishe	d By	/ Affi	liation		4	Dat		Time				-Acc	epted	By-/-/	Affiliation	Date	Time
	pler's Company: Doulos					╬	West Co								1/3/		736		<u>/</u>	_	/ _		\overline{A}		1/3/06	1270
	ment Date: ment Method;					╢			-				·	•	U/3	٠.	1530	\mathbb{H}	_	_				we	114	1536
	ment Tracking No:			—		╌╟				—				╝	<u> </u>			╢							<u> </u>	
عشيين		Please	ce repul	te to	hove	<u></u>	@secor.com							بالــــــــــــــــــــــــــــــــــــ						- ::		—				!
1		ا باشتاند .		2 10	2014	<u>y</u>				—			·····											-		
ysto	ody Seals In Place Yes No			Ter	np Bl	lani	k Yes No					Cooler Tempera	ture or	n Re	ceip	t <u>3</u>	5 °F	/C				_	Trip	Blank Yes No		

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

BP COC Rev. 4 10/1/04

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: REC. BY (PRINT) WORKORDER:	Bp /ARCO EU MPKOILL		DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:	15	106. 80				tory Purposes? WATER YES / NO ATER YES / NO
	OPRIATE RESPONSE	LAB SAMPLE#	CLIENT ID	CONTAINER DESCRIPTION		. pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
Custody Seal(s)	Present / Absemb								
	Intact / Broken*				-		<u> </u>		
2. Chain-of-Custody	(Present / Absent*			0- 0	7	50	٠,	· ·	
3. Traffic Reports or						<u> </u>		<u>'</u>	
Packing List:	Present / Absent	·				· ·			· · · · / ·
4. Airbill:	Airbit / Sticker				,		•		
۴.	Present / Absent								
5. Airbill #: Ser=	· AT.								
6. Sample Labels:	Present / Absent						· ·		
7. Sample IDs:	Listed / Not Listed		•						
<u> </u>	on Chain-of-Custody							-/- 	
8. Sample Condition:	Intact / Broken* /		•• • • • • • • • • • • • • • • • • • • •					/ . 	- <u>-</u>
•	Leaking			•					
9. Does information on	chain-of-custody,		•	· · ·			/		
. traffic reports and s	ample labels			· , - ,	 	- 	-	 	
.agree?	Yes/No*			5	7	4			
Sample received with	in .			14/0		-17			
hold time?	Yes / No*			3/			 		· .
i1. Adequate sample volu	ıme 🥿		1			-	•		
recejved? ·	Yes/No*			·	-				
2. Proper preservatives u			. /				· ·		
13. Trip Blank / Temp Blan	nk Received?						<u> </u>		
(circle which, if yes)	Yes/No*		/.						
4. Read Temp:	·	· ·						<u> </u>	
Corrected Temp:	4.5°C								
ils corrected temp 4+								1.	
Acceptance range for samples		<u> </u>					-		
*Exception (if any): MET.	ALS / DFF ON ICE	·							<u> </u>
or Problem COC	(. 	: 		
SRI Barinia R	ansayeem namen parawaman as a same	*IC CIDCI	ED CONTACT PROJECT			NIDE		value or the order	shimm our regulations and a second supplier

SRL Revision 8 Replaces Rev 7 (07/19/05) Effective 09/13/06 *IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Page _____ of ____

California Overnight Shipping Label



Date Printed 11/3/2006

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



Tracking#D10010110045427

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

wgt(lbs): 38 Reference:

Decl. Value: \$0.00

Ship To Company:

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

Sort Code: SJC

Special Services:
Saturday Delivery

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:

4Q06 GEO_WELL

Submittal Date/Time:

1/24/2007 3:05:28 PM

Confirmation Number:

6514101922

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: 9145778119

Date/Time of Submittal: 1/26/2007 3:46:25 PM

Facility Global ID: T0600100082 Facility Name: ARCO #0276

Submittal Title: 4006 GW Monitoring Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO #0276

Regional Board - Case #: 01-0089

10600 MACARTHUR OAKLAND, CA 94605

SAN FRANCISCO BAY RWQCB (REGION 2) Local Agency (lead agency) - Case #: RO0000831

ALAMEDA COUNTY LOP - (BC)

NOTE: THIS DATA WAS SUBMITTED AFTER THE SITE WAS CLOSED

9145778119 4Q06 GW Monitoring QUARTER Q4 2006

SUBMITTED BY

SUBMIT DATE

STATUS

Broadbent & Associates, Inc.

1/26/2007

PENDING REVIEW

SAMPLE DETECTIONS REPORT

FIELD POINTS SAMPLED

3

3

FIELD POINTS WITH DETECTIONS

3

FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL SAMPLE MATRIX TYPES

WATER

METHOD QA/QC REPORT

METHODS USED

8260FA,8260TPH,SW8260B

TESTED FOR REQUIRED ANALYTES? LAB NOTE DATA QUALIFIERS

Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS METHOD HOLDING TIME VIOLATIONS LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT

n 0 n

LAB BLANK DETECTIONS

0

DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?

- LAB METHOD BLANK

Υ Ν Ν

- MATRIX SPIKE - MATRIX SPIKE DUPLICATE - BLANK SPIKE

Υ

- SURROGATE SPIKE

Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% SURROGATE SPIKES % RECOVERY BETWEEN 85-115%

Y Y

BLANK SPIKE / BLANK S	PIKE DUPLICATES % RECOVERY	BETWEEN 70-130%	Y
SOIL SAMPLES FOI	R 8021/8260 SERIES		
MATRIX SPIKE / MATRIX	SPIKE DUPLICATE(S) % RECOV	ERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX	SPIKE DUPLICATE(S) RPD LESS	THAN 30%	n/a
	DECOVERY RETAILER OF 1950		n/a
SURROGATE SPIKES %	RECOVERT DETWEEN 70-125%		11/4
SURROGATE SPIKES % BLANK SPIKE / BLANK S	PIKE DUPLICATES % RECOVERY	BETWEEN 70-130%	n/a
BLANK SPIKE / BLANK S FIELD QC SAMPLES SAMPLE	PIKE DUPLICATES % RECOVERY COLLECTED	DETECTIONS >	n/a
BLANK SPIKE / BLANK S FIELD QC SAMPLES	PIKE DUPLICATES % RECOVERY		n/a

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.