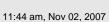
RECEIVED



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

Atlantic Richfield Company Station #771

899 Rincon Avenue Livermore, California ACEH Case RO0000200

"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 Atlantic Richfield Company Station #771 899 Rincon Avenue Livermore, 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. 06-02-608

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



October 30, 2007

Project No. 06-02-608

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, Atlantic Richfield

Company Station #771, 899 Rincon Avenue, Livermore California. ACEH Case

RO0000200.

Dear Mr. Supple:

Attached is the *Third Quarter*, 2007 Semi-Annual Ground-Water Monitoring Report for Atlantic Richfield Company Station #771 (herein referred to as Station #771) located at 899 Rincon Avenue, Livermore, California (Property). This report presents a summary of Third Quarter, 2007 ground-water monitoring results.

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.

Matthew G. Herrick, P.G.

Project Hydrogeologist

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

Who 71. 11/4

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. Paul M. Smith, Livermore-Pleasanton Fire Department, 3560 Nevada St., Pleasanton,

CA 94566

Mr. Chuck Headlee, RWQCB, 1515 Clay St. Suite 1400, Oakland, CA 94612

ARIZONA C

CALIFORNIA NEVADA

TEXAS

ROBERT H.

MILLER

STATION #771 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: Address: 899 Rincon Avenue, Livermore, CA Station #771 Environmental Business Manager: Mr. Paul Supple Consulting Co./Contact Persons: Broadbent & Associates, Inc. (BAI) / Rob Miller & Matt Primary Agency/Regulatory ID No.: Alameda County Environmental Health (ACEH)/ ACEH Case RO0000200 06-02-608 Consultant Project No.: Facility Permits/Permitting Agency.: NA

WORK PERFORMED THIS QUARTER (Third Quarter, 2007):

- 1. Submitted Second Quarter, 2007 Status Report. Work performed by BAI.
- 2. Conducted ground-water monitoring/sampling for Third Quarter, 2007. Work performed by Stratus Environmental, Inc.

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:	MW-4, MW-7, RW-1 = Semi-Annual (1Q and 3Q)
	MW-2, $MW-5$, $MW-6$, $MW-11$, $VW-1$, = Annual (3Q)
Frequency of ground-water monitoring:	Semi-annual (1Q and 3Q)
Is free product (FP) present on-site:	No
FP recovered this quarter:	NA (FP last recovered in 1992)
Cumulative FP recovered:	3.06 gallons, Wells MW-1, MW-2, and MW-5
Current remediation techniques:	Air Diffusion
Depth to ground water (below TOC):	23.58 (VW-1) to 33.42 (MW-5)
General ground-water flow direction:	North-Northeast to Southwest
Approximate hydraulic gradient:	0.03 to 0.04 feet per foot

DISCUSSION:

During Third Quarter, 2007 gasoline range organics (GRO) were detected in wells MW-2, MW-4, MW-5, and MW-7 with concentrations ranging from 470 µg/L (MW-5) to 2,400 µg/L (MW-4 and MW-7). Benzene, toluene, ethylbenzene, and xylenes were detected in wells MW-2, MW-4, MW-5, and MW-7. Benzene concentrations ranged from 36 µg/L in MW-5 to 140 µg/L in MW-4 and MW-7. Toluene concentrations ranged from 0.84 µg/L in MW-5 to 6.8 µg/L in MW-4. Ethylbenzene concentrations ranged from 0.97 µg/L in MW-5 to 9.5 µg/L in MW-2. Xylene concentrations ranged from 2.2 µg/L in MW-5 to 7.3 µg/L in MW-7. Methyl tert-butyl ether (MTBE) was detected in wells MW-2, MW-4, MW-5, and MW-7 with concentrations ranging from 45 µg/L to 110 µg/L in wells MW-2 and MW-5, respectively. Tert-Butyl alcohol (TBA) was detected in wells MW-2, MW-4, MW-5, and MW-7 with concentrations ranging from 89 µg/L in MW-2 to 830 µg/L in MW-4. 1,2-Dichloroethane

(1,2-DCA) was detected in well MW-4 at 0.76 μ g/L. No other analytes were detected during Third Quarter, 2007.

Wells MW-9 and MW-10 were not gauged for depth to water during Third Quarter, 2007 because they were covered by parked cars and not accessible.

Analytes detected during Third Quarter, 2007 were all within the historic minimum and maximum concentration ranges recorded for each well, with the following exception: ethylbenzene and xylenes in MW-7 are the lowest concentrations historically detected in the well. Ground-water elevations measured during Third Quarter, 2007 were 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.

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 TestAmerica (Morgan Hill, CA). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

Drawing 1.	Ground-Water Elevation Contour and Analytical Summary Map, Station #771,
	Livermore, CA

Table 1.	Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory
	Analyses, Station #771, Livermore, CA

Table 2.	Summary of Fuel Ad-	ditives Analytical Data,	Station #771.	Livermore, CA

Table 3. Historical Ground-Water Flow Direction and Gradient, Station #771, Livermore, CA

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

Appendix B. GeoTracker Upload Confirmation

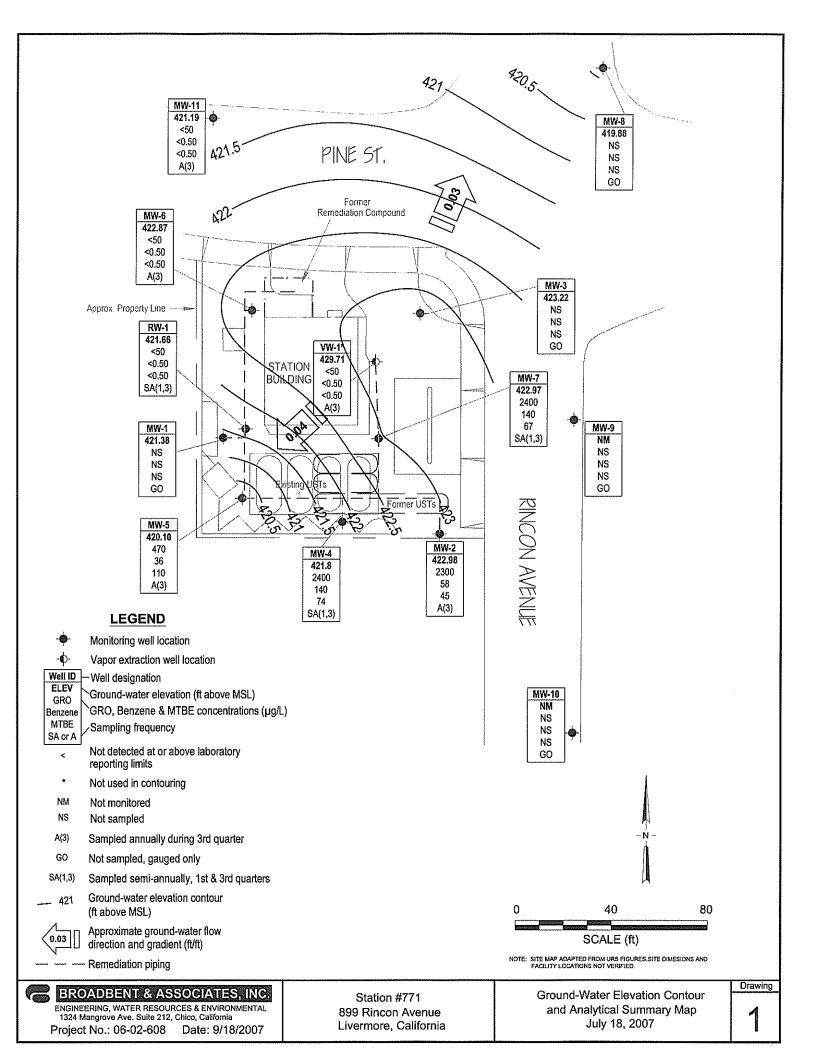


Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				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)	рĦ
MW-1															
3/20/1995			451.73	32.00	41.00	24.50	427.23	90,000	1,800	1,100	1,000	5,600	<u>—</u>		
6/2/1995			451.73	32.00	41.00	25.60	426.13	81,000	2,000	1,400	990	4,600			***
8/23/1995			451.73	32.00	41.00	29.04	422.69	44,000	2,400	1,900	670	3,800	<300		11577271785911
12/4/1995		THE A SECTION OF THE PROPERTY	451.73	32.00	41.00	31.31	420.42	22,000	870	660	390	2,200			
2/20/1996			451.73	32,00	41.00	22.26	429.47	21,000	1.500	1,200	650	3,500	<300		00000000
5/15/1996		2-4-11-12-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	451.73	32.00	41.00	23.42	428.31	36,000	3,000	2,500	960	5,700	<250		
8/13/1996			451.73	32.00	41.00	26.83	424.90	19,000	730	580	450	2,500	<200		
11/13/1996	**	ne e e e e e e e e e e e e e e e e e e	451.73	32.00	41.00	31.05	420.68	6,600	47	16	74	160	<30	•	
3/26/1997	gunu-ta di		451.73	32.00	41.00	26.29	425.44	1,900	100	55	37	200	<30	1 200	(\$226)
5/15/1997	**		451.73	32.00	41.00	28.65	423.08	16,000	490	250	250	1,100	<120		
8/26/1997	g - 44.77-14.489		451.73	32.00	41.00	31.53	420.20	190	6.7	3	6.3	25	্ৰ	-	
11/5/1997		- The Control of the	451.73	32.00	41.00	33.93	417.80	63	0.5	<0.5	0.8	2.4	29		
2/18/1998			451.73	32.00	41.00	20.46	431.27	23,000	1,500	610	550	3,000	<120		
5/20/1998			451.73	32.00	41.00	23.84	427.89	50,000	4,400	1,900	1,400	80,000	<300		
7/30/1998	P		451.73	32.00	41.00	26.94	424,79	150	<0.5	<0.5	<0.5	1.6	-3	8.74	
10/29/1998	NP		451.73	32.00	41.00	32.58	419.15	<50	<0.5	<0.5	<0.5	1.8	⋖	2.0	
3/16/1999	P		451.73	32.00	41.00	26.20	425.53	3,200	160	32	89	390	270	2.0	1001/2002
5/5/1999	P	energy of the second se	451.73	32.00	41.00	27.57	424.16	3,600	140	46	76	290	170	11.65	
8/26/1999	P		451.73	32.00	41.00	30.25	421.48	3,200	210	29	100	220	120	1,43	
12/3/1999	NP	- sucritors and section of the secti	451.73	32.00	41.00	32.70	419.03	53	<0.5	<0.5	<0.5	1	<3	2.12	***
3/13/2000	P		451.73	32.00	41.00	24.45	427.28	<50	<0.5	<0.5	<0.5	<1	ব	5.81	332 <u></u> 337
6/20/2000		b	451.73	32.00	41.00		**	67.4	3.88	<0.500	1.78	1.48	<2.50		
6/20/2000	P	e net Green de des appli	451.73	32.00	41.00	27.79	423,94	356	40.1	7.17	11.9	22.7	<2.50	5.1	
8/31/2000		- Control of the Cont	451.73	32.00	41.00	30.35	421.38								
2/9/2001			451.73	32.00	41.00	30.95	420.78	-	-					-	//
9/17/2001			451.73	32.00	41.00	30.85	420.88								
1/21/2002			451.73	32.00	41.00	30.61	421.12	-		-		***	-	-	(i)()(//
7/19/2002			451.73	32.00	41.00	31.55	420.18	**		**					
1/15/2003			451.73	32.00	41.00	22.99	428.74	-	- 1		-	-	***		erenne seen See To
7/9/2003	***		451.73	32.00	41.00	30.35	421.38					***			

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, 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-1 Cont.	***************************************														
02/19/2004			451.73	32.00	41.00	26.24	425.49								opolinacemo
08/04/2004			454.23	32.00	41.00	26.36	427.87								\$2007625/A
01/18/2005			454.23	32.00	41.00	24,47	429.76	-	1 S 1 1 2 7 7 7 1				-	5112	000000000
07/15/2005		and the second constitution and a second constitution of states.	454.23	32.00	41.00	29.44	424.79	# ************************************	**						\$ 2222 (1050)
01/10/2006			454.23	32.00	41.00	22.58	431.65	5 = 5	-				<u></u>		777 <u>-</u> 257
7/21/2006		many transfer and the second of the second o	454.23	32.00	41.00	20.73	433.50		+-		 	#w			######################################
1/17/2007	-	Southern Completion (C. Co	454.23	32.00	41.00	31.88	422.35		8 8	·				(0.1 <u>2</u> 00)	
7/18/2007		ere (454.23	32.00	41.00	32.85	421.38								
MW-2							***************************************						***********		
3/20/1995		a dia manda da ma	449.49	30.00	38.00	20.27	429.22	54,000	2,600	1,600	1,200	7,600	0 S <u>-</u>	1 <u>1</u> 6	(6)(<u></u>)
6/2/1995			449.49	30.00	38.00	22.32	427.17	37,000	2,200	800	980	4,800		780.080.020. 	
8/23/1995			449.49	30.00	38.00	25.69	423.80	65,000	1,100	310	840	3,000	<500	- 4	
12/4/1995		200 p. 11/200 d. 200 b. 200 p.	449.49	30.00	38.00	28.52	420.97	19,000	680	150	410	1,600			
2/20/1996			449.49	30.00	38.00	19.00	430.49	22,000	1,200	240	590	2,200	<300		
5/15/1996			449.49	30.00	38.00	20.03	429.46	25,000	1,200	240	610	2,100	<300		
8/13/1996			449,49	30.00	38.00	24.44	425.05	19,000	640	110	420	1,200	<300	- ·	
11/13/1996		000 A A A A A A A A A A A A A A A A A A	449.49	30.00	38.00	28.42	421.07	15,000	260	52	220	640	<200		
3/26/1997			449,49	30.00	38.00	22.98	426.51	17,000	580	120	360	980	<120	**************************************	137 <u>-</u> 100
5/15/1997			449.49	30.00	38.00	25.40	424.09	18,000	420	63	340	730	<120		
8/26/1997			449,49	30.00	38.00	28.38	421.11	5,300	210	26	140	270	<120	100 NOT 120	
11/5/1997	~-		449.49	30.00	38.00	31.93	417.56	560	42	2.6	7	9	<40		ww.
2/18/1998	(1) (1) 1, (2)		449.49	30.00	38.00	16.87	432,62	18,000	710	120	480	1,100	130		777277
5/20/1998	**		449.49	30.00	38.00	20.29	429.20	16,000	480	72	440	1,100	<120		**************************************
7/30/1998	P	e e a contribuiçõe	449.49	30.00	38.00	23.51	425.98	9,700	240	33	210	490	<120	9.21	337 <u></u> 337
10/29/1998	NP	903 NY8020 IAVENA (Athens In School School	449.49	30.00	38.00	30.08	419.41	58	<0.5	<0.5	<0.5	1.2	<3	1.0	
3/16/1999	P		449.49	30.00	38.00	23.22	426.27	4,700	120	13	90	220	60	2.0	89 4- 89
5/5/1999	P	3889 Y87 288 8386 528 4524 5886 500 500 500 500 500 500 500 500 500 50	449.49	30.00	38.00	24.05	425.44	5,500	58	7.1	58	98	17	9.09	esasso esasso
8/26/1999	P		449,49	30.00	38.00	26.44	423.05	3,700	55	11	60	64	26	1.9	
12/3/1999	NP	255 (1552) \$2535; 428 separate receive annexes annexes ann	449.49	30.00	38.00	30.15	419.34	130	<0.5	<0.5	0.7	1.8	<3	1.96	
3/13/2000	P		449.49	30.00	38.00	20.68	428.81	<50	<0.5	<0.5	<0.5	<i< td=""><td>⋖3</td><td>3) - 36</td><td>- 100 m</td></i<>	⋖3	3) - 36	- 100 m

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

			тос	Top of	Bottom of Screen	DTW	Water Level	Concentrations in (µg/L)							
Well and			TOC	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.															
6/20/2000	P	7777	449.49	30.00	38.00	23.08	426.41	226	2.2	<0.500	4.83	7.88	<2.50	4.9	000 00
8/31/2000	P		449.49	30.00	38.00	26.71	422.78	87.1	1.78	<0.500	1.33	1.15	<2.50	1.59	
2/9/2001			449.49	30.00	38.00	29.65	419.84					CONTRACTOR CONTRACTOR			
9/17/2001	P	- 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	449.49	30.00	38.00	27.62	421.87	3,100	300	12	8.8	18	120	1.7	
1/21/2002			449.49	30.00	38.00	27.09	422.40	-					-	-	0/0 (0 t - 0 - 100)
7/19/2002	P	a	449.49	30.00	38.00	27.82	421.67	4,700	280	13	120	19	16	0.8	7.4
1/15/2003	0 0 1 0		449.49	30.00	38.00	22.18	427.31	_	90 p <u>a</u>				<u></u>	<u> </u>	188 <u>12</u> 88
7/9/2003	**	g y y a renga a renga y ga a renga y aran 1 dandada a 1 dadamba sa rendada y 29/ f aliq da	449.49	30.00	38.00	26.40	423.09	3,900	170	<5.0	100	19	39	2.5	7.0
02/19/2004			449.49	30.00	38.00	23.85	425.64						-	8,25%	
08/04/2004	P		452.05	30.00	38.00	24.71	427.34	5,400	650	21	160	56	78	0.8	7.2
01/18/2005		5 (9) (0.02) (3) (3) (3) (3)	452.05	30.00	38.00	20.86	431.19	-		-			9 (8) 		(قىدۇر)
07/15/2005	P		452.05	30.00	38.00	25.92	426.13	5,200	160	5.3	56	10	46	3.1	6.9
01/10/2006			452.05	30.00	38.00	19.25	432.80	-	-						<i></i> .
7/21/2006	P		452.05	30.00	38.00	25.73	426.32	120	0.90	<0.50	<0.50	<0.50	<0.50	6.08	8.3
1/17/2007			452.05	30.00	38.00	28.70	423.35	-	-					-	331
7/18/2007	P		452.05	30.00	38.00	29.07	422.98	2,300	58	2.4	9.5	3.5	45	1.19	7.51
MW-3										***********			*******		
3/20/1995			450.28	32.00	40.00	22.19	428.09	94	<0.5	<0.5	<0.5	<0.5			
6/2/1995			450.28	32.00	40.00	23.28	427.00	72	<0.5	<0.5	<0.5	<0.5		-	
8/23/1995			450.28	32.00	40.00	26.55	423.73	98	<0.5	<0.5	<0.6	0.5	♂		
12/4/1995			450.28	32.00	40.00	29.52	420,76	<50	<0.5	<0.5	<0.5	<0.5			199000
2/20/1996	<u></u>		450.28	32.00	40.00	19.83	430.45	130	<0.5	<0.5	<0.5	<0.5	3		le conserva
5/15/1996			450.28	32.00	40.00	21.03	429.25	120	<0.5	<0.5	<0.5	<0.5	<0.5		09801600
8/13/1996			450.28	32.00	40.00	25.67	424.61	<50	<0.5	<0.5	<0.5	<0.5	3		<u></u>
11/13/1996	*-		450.28	32.00	40.00	21.57	428.71	<50	<0.5	<0.5	<0.5	<0.5	<3		
3/26/1997			450.28	32.00	40.00	24.15	426.13	<50	1.1	<0,5	<0,5	<0.5	ď		67 <u>4.6</u> 88
5/15/1997	*-		450.28	32.00	40.00	26.85	423.43	<50	<0.5	<0.5	<0.5	<0.5	<3		
8/26/1997			450.28	32.00	40.00	30.07	420.21	<50	<0.5	<0.5	<0.5	<0.5	<3	- L	
11/5/1997			450.28	32.00	40.00	32.46	417.82	<50	<0.5	0.7	<0.5	<0.5	<3		
2/18/1998			450.28	32.00	40.00	17.82	432.46	<50	<0.5	<0.5	<0.5	<0.5	્ડ		///

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level		***************************************	Concentra	tions in (u	g/L)	A		
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
MW-3 Cont.															
5/20/1998		and the second second second	450.28	32.00	40.00	21.41	428.87	<50	<0.5	<0.5	<0.5	<0.5	<3	-	
7/30/1998	P	= 1.55 × 0.5 (450.28	32.00	40.00	26.41	423.87	<50	<0.5	<0.5	<0.5	<0.5	<3	9.56	
10/29/1998	P		450.28	32.00	40.00	31.33	418.95	<50	<0.5	<0.5	<0.5	<0.5	3	1.0	
3/16/1999	P	A STATE OF THE PARTY OF THE PAR	450.28	32.00	40.00	24.61	425.67	<50	<0.5	<0.5	<0.5	<0.5	⋖3	1.0	
5/5/1999	P		450.28	32.00	40.00	25.75	424.53	140	<0.5	<0.5	0.6	<0.5	3	4.43	1000 C
8/26/1999	P		450.28	32.00	40.00	28.49	421.79	80	0.6	0.6	0.6	1	<3	1.69	
12/3/1999	P	te disconsistential surface	450.28	32.00	40.00	31.45	418.83	<50	<0.5	<0.5	<0.5	<1	<3	2.26	183 <u>77</u> 3)
3/13/2000	P		450.28	32.00	40.00	22.18	428.10	<50	<0.5	<0.5	<0.5	<1	<3	4.41	
6/20/2000	P		450.28	32.00	40.00	26,03	424.25	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	2.3	3.220
8/31/2000			450.28	32.00	40.00	28.75	421.53				**				
2/9/2001	e		450.28	32.00	40.00	31.04	419.24	·	0	-		-	0 in 1	(i) (i)	(),0
9/17/2001		Trofabilitations allowers were interested as a survivation of the surv	450.28	32.00	40.00	29.04	421.24					**			***
1/21/2002		10.113 No. 40, 30, 40, 40, 80, 72	450.28	32.00	40.00	28.81	421.47	-	-				1		()-T/()
7/19/2002		355.447.14531-473.44447.2445.445.53.445.433.49443.173.43463.1444.145	450.28	32.00	40.00	28.92	421.36					***			
1/15/2003			450.28	32.00	40.00	22.88	427.40	_	-					-	5 5
7/9/2003	**	277724666727677767774687746874687	450.28	32.00	40.00	28.00	422.28				***				
02/19/2004			450.28	32.00	40.00	25.29	424.99	-	-	-		_		<u>-</u>	75
08/04/2004		**************************************	452.75	32.00	40.00	27.40	425.35			**				***	
01/18/2005			452.75	32.00	40.00	22.76	429.99	-	10.00			<u>-</u>	<u></u>		<u></u>
07/15/2005	**		452.75	32.00	40.00	25.95	426.80				***				**
01/10/2006			452.75	32.00	40.00	21.18	431.57	5 2 9	-			9 10	60 W <u>-</u>	<u>.</u>	7(5 <u>1.</u> 49)
7/21/2006			452.75	32.00	40.00	25.73	427.02					*	**		
1/17/2007			452.75	32.00	40.00	30.51	422,24	4.00	-		10-01-40-0		(8) (8) <u>(2)</u> (8) (9)		//
7/18/2007			452.75	32.00	40.00	29.53	423.22								**
MW-4															
3/20/1995			451.09	26.00	42.00	22.68	428.41	12,000	1,000	100	450	700	<u></u>		
6/2/1995	**		451.09	26.00	42.00	24.41	426.68	9,000	850	56	380	430			(600-15))
8/23/1995			451.09	26.00	42.00	27.72	423.37	5,300	400	25	240	170	<100		// mm//
12/4/1995			451.09	26.00	42.00	29.85	421.24	6,700	100	<10	90	38			
2/20/1996			451.09	26.00	42.00	21.16	429.93	7,000	360	22	180	160	<70		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level		27.77	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
MW-4 Cont.															
5/15/1996			451.09	26.00	42.00	22.18	428.91	- 100 marries -	l -				-		1000/400000
8/13/1996		20000000000000000000000000000000000000	451.09	26.00	42.00	26.20	424.89	-					***	 	
11/13/1996			451.09	26.00	42.00	29.72	421.37	_			10 100 100				3000109000
3/26/1997	***	4-41 VPC (01910000 0100 P100 LBs (A280101100 BEAT0000)	451.09	26.00	42.00	21.86	429,23	8,900	390	33	200	250	<70		MSC0009999
5/15/1997			451.09	26.00	42.00	26.92	424.17	<u>-</u>	1 2			77	_	75 (<u></u>	1557 <u>7</u> 15257
8/26/1997	**		451.09	26.00	42.00	29.30	421.79	**							(yESSAGEA)
11/5/1997			451.09	26.00	42.00	32.14	418.95					-	_		692493
2/18/1998	**		451.09	26.00	42.00	19.30	431.79	5,300	220	19	160	130	120		**
5/20/1998	-		451.09	26.00	42.00	22.40	428.69	-		-				/8 (<u>22</u> (0).	744
7/30/1998			451.09	26.00	42.00	25.74	425.35			**			**		
10/29/1998			451.09	26.00	42.00	31.26	419.83	-	a				00 (a. (a. 6)	30 4.00	(filmen)
3/16/1999	P	y	451.09	26.00	42.00	25.05	426.04	1,900	49	<5	43	<5	82	1.5	
5/5/1999			451.09	26.00	42.00	26.15	424.94	-	= -				-	_	
8/26/1999			451.09	26.00	42.00	28.60	422.49	-					**	1.43	
12/3/1999			451.09	26.00	42,00	31.53	419.56	-	_		_				
3/13/2000	P		451.09	26.00	42.00	23.61	427.48	<50	<0.5	<0.5	<0.5	<l< td=""><td><3</td><td>3.82</td><td></td></l<>	<3	3.82	
6/20/2000			451.09	26.00	42.00	26.38	424.71	<u>-</u>	-				<u>-</u>	0.4	200 <u>2.7</u> 50
8/31/2000	NP		451.09	26.00	42.00	29.55	421.54	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.04	***
2/9/2001	NP		451.09	26.00	42.00	30.30	420.79	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.39	
9/17/2001	NP		451.09	26.00	42.00	29.90	421.19	3,400	51	<5.0	16	23	360	0.92	
1/21/2002	NP		451.09	26.00	42.00	29.51	421.58	1,900	140	12	27	48	300	1.03	1000_10001
7/19/2002	NP	a	451.09	26.00	42.00	30.77	420.32	2,700	150	9.9	<5.0	<5.0	130	0.1	7.3
1/15/2003		a	451.09	26.00	42.00	23.56	427.53	4,800	150	5.3	28	46	150	1,3	7.0
7/9/2003			451.09	26.00	42.00	29.50	421.59	3,000	210	9.4	6	20	150	2.0	6.9
02/19/2004	P	C	451.09	26.00	42.00	26.35	424.74	4,800	270	11	25	19	180	1.8	6.2
08/04/2004	NP	973441 r 4747315566 A 600 - A 6014669 A 600 - A 4014669 A 600 - A 401469 A 600 - A 4014669 A 600 - A 401466 A 600 - A 40146 A 600 - A 401466 A 600 - A 401466 A 600 - A 401466 A 600 - A 40146 A 600 - A 40146 A 600	453.80	26.00	42.00	26.48	427.32	4,200	410	13	49	59	300	0.7	6.7
01/18/2005	P		453.80	26.00	42.00	23.15	430.65	4,500	250	9.5	62	22	160	1.2	6.9
07/15/2005	NP		453.80	26.00	42.00	28.13	425.67	3,500	230	6.1	19	15	230	0.5	7.0
01/10/2006	P		453.80	26.00	42.00	21.49	432.31	5,500	250	7.6	37	25	190	1.3	7.1
7/21/2006	NP		453.80	26.00	42.00	28.88	424.92	66	0.60	<0.50	0.52	0.82	3.1	4.75	8.3

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/	T		Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet nisl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	рĦ
MW-4 Cont.					TOTAL										
1/17/2007	NP		453.80	26.00	42.00	30.80	423.00	<50	<0.50	<0.50	<0.50	<0.50	11	6.19	8.03
7/18/2007	NP		453.80	26.00	42.00	32.00	421.80	2,400	140	6.8	1.3	4.1	74	5.03	7.12
MW-5															
3/20/1995			451.40	31.50	41.00	23.20	428.20	26,000	1,300	180	890	2,900	Interdistration	-	***************************************
6/2/1995			451.40	31.50	41.00	24.80	426.60	39,000	940	160	740	1,900			
8/23/1995			451.40	31.50	41.00	28.10	423.30	14,000	490	74	250	890	<300	3000	10000000000000000000000000000000000000
12/4/1995			451.40	31.50	41.00	29.83	421.57	7,600	230	13	61	80			
2/20/1996			451.40	31.50	41.00	21.63	429.77	4,300	220	12	45	130	<50		
5/15/1996		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	451.40	31.50	41.00	22.87	428.53	2,200	380	17	58	84	<40		
8/13/1996	# 5 N	10.00 G 10.00 G 12.00 G	451.40	31.50	41.00	26.48	424.92	1,700	150	16	24	35	47		_
11/13/1996			451.40	31.50	41.00	29.68	421.72	850	150	11	19	37	66	* 1800 WARRINGS	### ##################################
3/26/1997		Homosta de de de 1800.	451.40	31.50	41.00	25.14	426.26	2,400	440	21	79	210	68	- 0	
5/15/1997			451.40	31.50	41.00	27.38	424.02	3,900	510	19	140	240	48		
8/26/1997			451.40	31.50	41.00	29.89	421,51	76	4.9	<0.5	1.5	2	9	SS 36	(a8)
11/5/1997		A company of the second of the	451.40	31.50	41.00	32.57	418.83	63	0.8	<0.5	<0.5	1.2	34		
2/18/1998			451.40	31.50	41.00	19.99	431.41	6,200	630	70	320	640	320		
5/20/1998			451.40	31.50	41.00	23.21	428.19	2,300	340	21	110	140	62	**	
7/30/1998	P		451.40	31.50	41.00	26.19	425.21	<50	0.8	<0.5	0.6	0.9	S	8.83	etaszerieren Signification
10/29/1998	NP	Annual Annual Marketine in Professional Control of Control	451.40	31.50	41.00	31.92	419.48	<50	<0.5	<0.5	<0.5	<0.5	<3	2.0	2000000000
3/16/1999	P		451.40	31.50	41.00	25.80	425.60	1,300	170	- 8	59	65	120	2.0	(2)(<u>2)</u> (2)(2)
5/5/1999	P		451.40	31.50	41.00	27.09	424.31	320	31	1.1	13	13	19	12.09	***
8/26/1999	P		451.40	31.50	41.00	29.67	421.73	260	-13	1.7	4.2	6.3	150	1.31	477 (1933)
12/3/1999		d	451.40	31.50	41.00		**			-E VALESTA VERTING COLDU:		 			
3/13/2000	P	1960 S 000 B 000 B 00	451.40	31.50	41.00	24.51	426.89	<50	<0.5	<0.5	<0.5	<1	ડા	4.41	69_169
6/20/2000	P		451.40	31.50	41.00	27.37	424.03	60.8	4.84	<0.500	1.9	1,59	<2.50	5.3	(4)E5(0.0046))
8/31/2000	P		451.40	31.50	41.00	30.21	421.19	<50.0	1.18	<0.500	<0.500	<0.500	3.83	0.97	- S
2/9/2001			451.40	31.50	41.00	30.19	421.21	**			**				**
9/17/2001	P		451.40	31.50	41.00	30.71	420.69	2,700	120	10	90	77	330	0.81	Area was
1/21/2002			451.40	31.50	41.00	30.40	421.00	**			***				**
7/19/2002	P	a	451.40	31.50	41.00	31.93	419,47	1,600	170	7	120	<5.0	180	1.7	7.2

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (u	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-5 Cont.															
1/15/2003			451.40	31.50	41,00	23.12	428.28	_	-					11 15011 1000 1000	1025000000
7/9/2003	***	kritik grangstelej armywydd 15 junifrio 2,5 feligi 15,5 feligi 25,5 feligi 25,5 feligi 25.	451.40	31.50	41.00	30.95	420.45	2,000	160	5.7	67	27	260	1.5	6.9
02/19/2004			451.40	31.50	41.00	26.73	424,67	- <u>-</u>	22.00	-			_		1000
08/04/2004	P	ACMAN STATE OF A PARTY OF STATE OF THE STATE	453.52	31.50	41.00	26.61	426.91	2,100	250	5.3	73	22	250	2.7	7.0
01/18/2005		in nit of rends of care	453.52	31.50	41.00	24.10	429.42	_						(<u>-</u>	000 <u></u> 000
07/15/2005	P	namen na 665 met 1 meter naar kolone aan 1200 e da	453.52	31.50	41.00	29.27	424.25	1,600	61	<5.0	8.7	<5.0	270	2.1	6.9
01/10/2006			453.52	31.50	41.00	22.19	431.33	-				-	1		()()
7/21/2006	P		453.52	31.50	41.00	30.36	423.16	2,100	29	<5.0	7.5	11	14	2.98	7.1
1/17/2007			453.52	31.50	41.00	31.77	421.75	-		-			1		
7/18/2007	NP		453.52	31.50	41.00	33.42	420.10	470	36	0.84	0.97	2.2	110	1.73	7.50
MW-6															
3/20/1995			451.37	32.00	42.00	25.19	426.18	2,600	210	87	82	140			
6/2/1995			451.37	32.00	42.00	25.75	425.62	1,600	55	7.9	40	26			
8/23/1995			451.37	32.00	42.00	29.53	421.84	1,400	42	2.5	36	13	<20		
12/4/1995			451.37	32.00	42.00	32.28	419.09	2,500	52	5.8	59	13	***		
2/20/1996			451.37	32.00	42.00	22.27	429.10	2,500	120	16	73	12	<30	-	
5/15/1996			451.37	32.00	42.00	23.86	427.51	2,000	71	6.4	47	25	<15		
8/13/1996			451.37	32.00	42.00	28.55	422.82	3,800	91	8.2	69	25	<20	_	unterretter See Tes
11/13/1996			451.37	32.00	42.00	32.04	419.33	1,900	55	3.3	55	8.5	16	**	
3/26/1997			451.37	32.00	42.00	26.84	424.53	1,800	51	5	32	15	<30	_	
5/15/1997		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	451.37	32.00	42.00	29.58	421.79	2,400	46	3	29	9	<12		
8/26/1997	() () 	the transfer of the second	451.37	32.00	42.00	32.67	418.70	1,400	61	-6	33	10	<12		
11/5/1997			451.37	32.00	42.00	34.62	416.75	690	29	2.7	18	3.4	9	**	
2/18/1998			451.37	32.00	42.00	20.09	431,28	1,800	74	5	24	12	19		
5/20/1998		\$	451.37	32.00	42.00	24.05	427.32	1,900	280	4	31	16	9		***
7/30/1998	Р		451.37	32.00	42.00	28.72	422,65	2,300	110	7	36	20	<15	- 1	(% %)
10/29/1998	P	7557669856765855856576585676858686868585668	451.37	32.00	42.00	32.77	418.60	2,500	14	13	17	12	<12	1.0	
3/16/1999	P		451.37	32.00	42.00	26.45	424.92	1,200	65	4	27	13	18	0.5	(()
5/5/1999	P		451.37	32.00	42.00	27.86	423.51	2,200	53	4	26	6	25	5.59	
8/26/1999	P		451,37	32.00	42.00	30.49	420.88	1,100	11	6	10	4	13	2.35	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level	COLUMN SALES		Concentra	tions in (µ	g/L)			6400TB(600000-444
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
MW-6 Cont.														-	
12/3/1999	P		451.37	32.00	42.00	32.35	419.02	370	<0.5	<0.5	0.8	<1	4	2.36	fritorios con
3/13/2000	P	The state of the s	451.37	32.00	42.00	28.36	423.01	54	2.1	0.5	0.9	1.4	⋖	4.22	
6/20/2000	P		451.37	32.00	42.00	28,35	423.02	195	1.83	<0.500	0.528	<0.500	<2.50	3.5	
8/31/2000	P		451.37	32.00	42.00	30.20	421.17	276	3.52	0.788	1.15	0.621	8.73	7.0	***
2/9/2001		b	451.37	32.00	42,00			222	4.49	2.73	0.579	0.523	57.1	100 TEN	etenintene
2/9/2001	P		451.37	32.00	42.00	30.70	420.67	253	5.44	2.93	0.924	0.977	48.9	0.59	
9/17/2001	P	10 (C) (C) (C) (C) (C) (C) (C)	451.37	32.00	42.00	30.94	420.43	<50	<0.50	<0.50	<0.50	<0.50	<2.5	2.79	
9/17/2001		b	451.37	32.00	42.00			<50	<0.50	<0.50	<0.50	<0.50	<2.5		
1/21/2002	P	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	451.37	32.00	42.00	30.55	420.82	<50	<0.50	<0.50	<0.50	<0.50	<5.0	1.9	S-27
7/19/2002	P	a	451.37	32.00	42.00	30.27	421.10	60	2	<0.50	<0.50	<0.50	<0.50	3.5	7.9
1/15/2003		a	451.37	32.00	42.00	22.86	428.51	83	9.1	<0.50	3.4	4.6	1	2.5	7.2
7/9/2003	P		451.37	32.00	42.00	29.41	421.96	110	<0.50	<0.50	<0.50	<0.50	0.98	2.6	7.1
02/19/2004		7790004005 1999150 19901199	451,37	32.00	42.00	43.25	408.12	-	-					100 30	-
08/04/2004	P		453.83	32.00	42.00	27.71	426.12	540	36	3.8	17	24	5.2	3.5	7.1
01/18/2005	-		453.83	32.00	42.00	24.56	429,27		l =				_		26577300
07/15/2005	P	300,770,000,000,000,000,000,000,000,000,	453.83	32.00	42.00	27.61	426.22	4,600	210	44	150	670	32	3.5	7.1
01/10/2006			453.83	32.00	42.00	23.75	430.08	=	-		10 100 <u>1</u> 5-21 201		A COLUMN SERVICE AND ADDRESS.	e e e e e e e e e e e e e e e e e e e	
7/21/2006	P	A 100 TANKS TO SERVICE A 100 TANKS TANKS TO SERVICE A 100 TANKS TO S	453.83	32.00	42.00	27.96	425,87	260	<0.50	<0.50	<0.50	0.86	5.1	2.60	7.2
1/17/2007			453.83	32.00	42.00	30.57	423.26	-	3 <u>2</u> 3	<u></u>			=	100000000000000000000000000000000000000	
7/18/2007	P	en er en	453.83	32.00	42.00	30.96	422.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.95	7.57
MW-7															
3/20/1995			450.33	30.00	40.00	22.07	428.26	31,000	2,300	400	620	2,900		**************************************	
6/2/1995			450.33	30.00	40.00	23.42	426.91	40,000	1,400	280	610	2,400			(\$3300.2555)
8/23/1995			450.33	30.00	40.00	27.13	423.20	25,000	1.400	200	600	1,600	350		
12/4/1995			450.33	30.00	40.00	29.45	420.88	23,000	1,100	74	490	720	***		
2/20/1996	(8) (8)		450.33	30.00	40.00	20.25	430.08	39,000	1,200	140	640	1,800	<400	- L	
5/15/1996			450.33	30.00	40.00	21.38	428.95								West free
8/13/1996			450.33	30.00	40.00	25.52	424.81	_					80 N 2 N N		
11/13/1996			450.33	30.00	40.00	29.38	420.95								
3/26/1997			450.33	30.00	40.00	24.36	425.97	35,000	1,100	180	460	1,700	<300		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (u	g/L)			/
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total	Y	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-7 Cont.															
5/15/1997			450.33	30.00	40.00	26.90	423.43		<u> </u>	-				 	
8/26/1997		and the second s	450.33	30.00	40.00	30.21	420.12		l -						
11/5/1997			450.33	30.00	40.00	32.49	417.84	-	-			<u></u>		Otto iguanos;	200000000
2/18/1998	***		450.33	30.00	40.00	18.10	432.23	19,000	1,100	120	460	1,700	240		100000500
5/20/1998			450.33	30.00	40.00	21.68	428.65	_		_				_	
7/30/1998	***		450.33	30.00	40.00	26.07	424.26	## S0200109940000990 		**					Augustosav
10/29/1998			450.33	30.00	40.00	31.13	419.20	-					0 (0 <u>a.</u>	00 <u>40</u> 00	
3/16/1999	P		450.33	30.00	40.00	24.45	425.88	8,600	430	51	200	680	<120	1.5	
5/5/1999		randa an annag dan san a	450.33	30.00	40.00	25.84	424,49				O		8 8 8 8		0.22
8/26/1999			450.33	30.00	40.00	28.28	422.05		-					1.51	
12/3/1999			450.33	30.00	40.00	31.57	418.76	-	-					·	
3/13/2000		đ	450.33	30.00	40.00							**			
6/20/2000			450,33	30.00	40.00	25.91	424.42	-						5.4	(A)
8/31/2000			450.33	30.00	40.00	28.40	421.93	8,410	344	58.9	276	581	202	0.09	
2/9/2001			450.33	30.00	40.00	30.04	420.29	2,030	203	12	17.9	49.4	128	1.55	
9/17/2001	P		450.33	30.00	40.00	29.03	421.30	4,800	200	14	9.9	27	160	0.29	
1/21/2002		b	450.33	30.00	40.00	T 1	_	2,600	280	17	41	50	97	(0.01 August 1777)	otkousvetom Programa
1/21/2002	P		450.33	30.00	40.00	28.98	421.35	4,200	350	20	52	63	99	0.81	
7/19/2002	P	а	450.33	30.00	40.00	28.70	421.63	5,700	630	31	330	160	64	0.7	7.3
1/15/2003		а	450.33	30.00	40.00	21.91	428.42	12,000	470	19	340	310	91	1.5	7.0
7/9/2003	P		450.33	30.00	40.00	27.88	422.45	6,700	590	23	280	92	110	1.0	6.9
02/19/2004	P	С	450.33	30.00	40.00	25.12	425.21	8,900	670	24	470	120	100	0.8	6.6
08/04/2004	P		452.70	30.00	40.00	25.92	426,78	9,100	930	29	460	130	140	0.6	7.2
01/18/2005	P	Scales and the state of the sta	452.70	30.00	40.00	22.31	430.39	16,000	770	33	590	220	87	1.0	6.9
07/15/2005	P		452.70	30.00	40.00	27.20	425.50	12,000	1,000	38	490	220	150	1.5	6.9
01/10/2006	P	\$1000 \$100 \$2000 \$100 \$200 \$100 \$200 \$100 \$1	452.70	30.00	40.00	20.61	432.09	13,000	1,200	50	760	330	120	0.8	7.1
7/21/2006	P		452.70	30.00	40.00	28.10	424.60	8,000	110	<50	380	180	54	3.20	7.8
1/17/2007	P	\$\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	452.70	30.00	40.00	29.70	423.00	5,600	16	<2.5	26	12	3.1	1.08	7.83
7/18/2007	P		452.70	30.00	40.00	29.73	422.97	2,400	140	2.8	9.1	7.3	67	4.86	7.67
MW-8											3				
1		l	1							ļ				,	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		oa	
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-8 Cont.															
3/20/1995			449.43	27.50	42.50	24.75	424.68	<50	<0.5	<0.5	<0.5	<0.5		- 12	odecureen Martin
6/2/1995			449.43	27.50	42.50	24.95	424.48		-						((6000)
8/23/1995			449.43	27.50	42,50	30.94	418.49	<50	<0.5	<0.5	<0.5	<0.5	3		esservatere Sistematere
12/4/1995		\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	449.43	27.50	42.50	31.99	417.44		-				***		
2/20/1996	00 (0 0 (0.		449.43	27.50	42.50	21.13	428.30	<50	<0.5	<0.5	<0.5	<0.5	3	000 1000 1001	SCHOOL STREET
5/15/1996		tanaan taana ta saasa ka saa saa saa saa saa saa saa s	449.43	27.50	42.50	21.96	427.47						***		
8/13/1996			449.43	27.50	42.50	30.20	419.23	<50	<0.5	<0.5	<0.5	<0.5	্র	25 (2)	300 <u>22</u> 57
11/13/1996		and a second control of the second control o	449.43	27.50	42.50	33,24	416.19				***			**	2000.046524
3/26/1997	161 (3)		449.43	27.50	42.50	26.85	422.58	<50	<0.5	<0.5	<0.5	<0.5	<3	0 <u></u> 0	
5/15/1997		deministration of the second s	449.43	27.50	42.50	29.69	419.74								3238A0860 **
8/26/1997			449,43	27.50	42.50	34.00	415.43	<50	<0.5	<0.5	<0.5	<0.5	ઢ		(((())) ((())))
11/5/1997			449.43	27.50	42.50	35.94	413.49								
2/18/1998			449.43	27.50	42.50	18.18	431.25	<50	0.6	0.6	<0.5	1.1	3		
5/20/1998			449.43	27.50	42.50	22.85	426.58				**				
7/30/1998	NP		449,43	27.50	42.50	30.31	419.12	<50	<0.5	<0.5	<0.5	<0.5	ර	8.21	
10/29/1998			449,43	27.50	42.50	35.88	413.55		**			# W-			**
3/16/1999	NP		449.43	27.50	42.50	28.50	420.93	<50	<0.5	<0.5	<0.5	<0.5	d	1.0	7770 V (700)
5/5/1999			449.43	27.50	42.50	29.76	419.67			**				**	100000000000000000000000000000000000000
8/26/1999	P		449.43	27.50	42.50	33.51	415.92	<50	<0.5	<0.5	<0.5	<0.5	-3	4.93	- The second
12/3/1999			449.43	27.50	42.50	35.83	413.60	**			***				70.60.90.000
3/13/2000	P	general de la constitución de la	449.43	27.50	42.50	26.12	423.31	<50	<0.5	<0.5	<0.5	<1	<3	2.81	10% (10%)
6/20/2000		CATEGORIS SESSO S NASSE AND PROPOSITION ASSESSMENT	449.43	27.50	42.50	30.91	418.52					****		5.8	
8/31/2000			449.43	27.50	42.50	33.70	415.73		-						(
2/9/2001		NSSANJASAA 4600 NASSANJASAA 4600 NASSANJASAA	449,43	27.50	42.50	30.90	418.53			***					
9/17/2001		9000 9 62 65 61 61	449.43	27.50	42.50	33.95	415.48	-	-		() ()			-	
1/21/2002	700000000000000000000000000000000000000	· Strong (chinatory frincisto graphic words of the china or construence or	449.43	27.50	42.50	33.71	415.72			Hr to					
7/19/2002	60 (10 (10) (1)		449,43	27.50	42.50	35.30	414.13	ilia 10 (6)			-	s	— —	4	
1/15/2003		2 *C***********************************	449.43	27.50	42.50	27.10	422.33	**				**			
7/9/2003			449.43	27.50	42.50	33.10	416.33				90 va (s			-	10 7 85
02/19/2004			449.43	27.50	42.50	28.92	420.51	**			***				

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, 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
MW-8 Cont.															
08/04/2004			451.80	27.50	42.50	34.28	417.52	_		-			-	00 100 00	
01/18/2005			451.80	27.50	42.50	26.76	425.04					**			
07/15/2005			451.80	27.50	42.50	31.14	420.66	-		-				750 4000 000 500 570 40	1939 11350 1835 1330
01/10/2006			451.80	27.50	42.50	22.88	428.92		**		**				
7/21/2006			451.80	27.50	42.50	30.84	420.96	-	-	<u></u> -	_	37 () 2 2 5 5 1 2 5			
1/17/2007	**		451.80	27.50	42.50	33.20	418.60							**	
7/18/2007	O		451.80	27.50	42.50	31.92	419.88	10 <u>11</u> 0 0		0.20			6 8 <u>-</u>	-	85025
MW-9							*						***************************************		
3/20/1995		101500	449.21	29.50	39.50	19.11	430.10	<50	<0.5	<0.5	<0.5	<0.5		- //	
6/2/1995			449,21	29.50	39.50	21.23	427.98								
8/23/1995		The state of the s	449.21	29.50	39.50	24.33	424.88	<50	<0.5	<0.5	<0.5	<0.5	ઢ		(2-5)
12/4/1995			449,21	29.50	39.50	27.90	421.31	***		**			**		
2/20/1996			449.21	29,50	39.50	17.86	431.35	<50	<0.5	<0.5	<0.5	<0.5	ઢ	-	
5/15/1996	## ## \$4 A.N. \$130 A.N. &	255025000000000000000000000000000000000	449.21	29.50	39.50	18.69	430.52								
8/13/1996			449.21	29.50	39.50	24.17	425,04	<u></u>	_		-	-	_		100000000000000000000000000000000000000
11/13/1996			449,21	29.50	39.50	28.01	421.20							**	
3/26/1997	50 000 <u>- 1</u> 50 000		449.21	29.50	39.50	22.58	426.63	<50	<0.5	<0.5	<0.5	<0.5	-3	-	100 TO
5/15/1997			449.21	29.50	39.50	25.12	424.09	**							
8/26/1997			449.21	29.50	39.50	28.28	420.93	<u>25</u> (6)	-					_	
11/5/1997			449.21	29.50	39.50	31.18	418.03							***	
2/18/1998 5/20/1998			449.21 449.21	29.50 29.50	39.50	16.03	433.18	<50	0.6	0.5	<0.5	1	ઢ	-	
7/30/1998			449.21	29.50 29.50	39.50 39.50	19.31	429.90				e-				
10/29/1998		(80.35.00)	449.21	29.50	39.50 39.50	24.90 30.08	424.31 419.13		- s		1	-	-	-	-
3/16/1999	 P	CCTT COM/ to be define described their reco	449.21	29.50	39.50	22.68	419.13	 <50	 <0.5	-0.5	 -0 E				
5/5/1999			449.21	29.50	39.50	23.82	425.39	<00 		<0.5	<0.5	<0.5	ા છે.	1.0	
8/26/1999			449.21	29.50	39.50	25.62	422,64	 		 		ratesko kossova esperante		 5 00	
12/3/1999	**	d	449.21	29.50	39.50						######################################			5.08	(857-35)
3/13/2000	P		449.21	29.50	39.50	25.62	423.59	<50	<0.5	<0.5	 <0.5	<1	 <3	 5.43	 Proposition
6/20/2000			449.21	29.50	39.50	23.55	425.66			30 JA Yazi (30)		71	-	6.2	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (u	2/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-9 Cont.															
8/31/2000			449.21	29.50	39.50	27.39	421.82	<u>=</u>							-
2/9/2001		. para en 1940 apasa estambatua (1960). (1961)	449.21	29.50	39.50	28.65	420.56								***
9/17/2001	22		449,21	29.50	39.50	27.51	421.70	-	<u>-</u>	1 0 <u>16</u>	00 <u>16</u> 0 (80		-	67011 <u>9</u> 2017	19557y (m.8%)
1/21/2002			449.21	29.50	39.50	27.09	422.12								
7/19/2002	60.000.00		449.21	29.50	39.50	27.06	422,15	40 <u>40</u> (80)	-				<u></u>		1000 <u>-100</u> 00
1/15/2003			449.21	29.50	39.50	21.78	427.43								
7/9/2003	(A) (A) (A)		449.21	29.50	39.50	26.18	423.03	6 - 8		-		-10	0 0 40	·	
02/19/2004			449.21	29.50	39.50	23.45	425.76					***			
08/04/2004 01/18/2005			451.63 451.63	29.50 29.50	39.50	29.24	422.39	-	- 0						
07/15/2005	** 		451.63	29.50 29.50	39.50 39.50	20.64 25.72	430.99 425.91						***		~- ***********
01/10/2006			451.63	29.50	39.50	18.86	432.77		-						
7/21/2006	<u></u>		451.63	29.50	39.50	25.58	426.05	-				2500 is danger of the course			
1/17/2007			451.63	29.50	39.50	29.11	422.52				***				180739
7/18/2007		d	451.63	29.50	39.50		-								netted verteen
MW-10		- The state of the			and the segretaries of the second	1,000,000,000,000		***************************************	\$603559F4560CH64H844	1411.0525V.111.2521.0525	1821 (1885) NOTO 1825.			100000000000000000000000000000000000000	0500000000
3/20/1995			449.22	29.00	37.00	20.96	428,26		_		_			76 <u>(\$</u> 165	0
6/2/1995			449.22	29.00	37.00	22.15	427.07				20 (1980) (1985) (1990) 				
8/23/1995			449.22	29.00	37.00	24.47	424.75	<50	<0.5	<0.5	<0.5	<0.5	ા	-	14.
12/4/1995			449.22	29.00	37.00	26.97	422,25				**				
2/20/1996			449.22	29.00	37.00	18.40	430.82	<50	<0.5	<0.5	<0.5	<0.5	ತ	- 0	
5/15/1996		d	449.22	29.00	37.00				**						***
8/13/1996			449.22	29.00	37.00	23.70	425.52		-	-	(1. 12 -1 20 (1)		-	-	
11/13/1996			449.22	29.00	37.00	27.15	422.07	W			-~				
3/26/1997			449,22	29.00	37.00	22.23	426.99	<50	<0.5	<0.5	<0.5	<0.5	a		
5/15/1997			449.22	29.00	37.00	24.57	424.65)307834034111860411844. 			 N9800088494800	er er
8/26/1997 11/5/1997			449.22 449.22	29.00	37.00	27.62	421.60	<u>-</u>			-		<u>-</u>	-	-
2/18/1998		d	449.22	29.00 29.00	37.00 37.00	30.79	418.43					**			
5/20/1998		u	449.22	29.00	37.00 37.00			- 08 - 2 - 08 - 08 - 08 - 08 - 08 - 08 - 08 - 0					mar.		<u></u> -
312011770			777.22	29.00	37.00							**	**		

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and Sample Date	P/NP	Comments	TOC (feet msl)	Screen (ft bgs)	Screen (ft bgs)	DTW (feet bgs)	Elevation (feet msl)	GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	МТВЕ	DO (mg/L)	pН
MW-10 Cont.															1
7/30/1998			449.22	29.00	37.00	23.90	425.32	-					-	<u> 22</u>	
10/29/1998		1 100 C C C C C C C C C C C C C C C C C	449,22	29.00	37.00	30.55	418.67								# (\$100)19590 ***
3/16/1999	P		449.22	29.00	37.00	23.05	426.17	<50	<0.5	<0.5	<0.5	<0.5	ತ	1.0	
5/5/1999			449.22	29.00	37.00	24.00	425.22							***	
8/26/1999			449.22	29.00	37.00	26.50	422.72			-		-	·	5.15	1012
12/3/1999			449.22	29.00	37.00	30.80	418.42							**	
3/13/2000		d	449.22	29.00	37.00	26.21	423.01	-	s	(Sh Sh		-	10 1 10 10		0.22
6/20/2000			449.22	29.00	37.00	23.52	425:70							5.5	
8/31/2000			449.22	29.00	37.00	27.52	421.70	-				V-10	-		(()()
2/9/2001			449.22	29.00	37.00	28.71	420.51						-		
9/17/2001	-		449.22	29.00	37.00	27.94	421.28	_		_	***		30 30 -		10000000000000000000000000000000000000
1/21/2002		and the second s	449.22	29.00	37.00	27.44	421.78	***		PF III		M 4r			0.000000000
7/19/2002			449.22	29.00	37.00	27.80	421.42	-	-				T100330000 C200 10-31030	Organistasco caco	
1/15/2003		27 C C C C C C C C C C C C C C C C C C C	449.22	29.00	37.00	23.09	426.13				**			***	
7/9/2003	94 95 <u>-1</u> 57 957		449.22	29.00	37.00	26.87	422.35	_			55 (9) <u></u>	100 100 <u></u>		1007/08/1100	1000
02/19/2004		a de comité de desta de la completa	449,22	29.00	37.00	23.39	425.83			**					
01/18/2005			451.65	29.00	37.00	21.40	430.25	150 <u>01.</u> 351	100 <u>100</u> 100				<u></u>		10 <u>22</u> 7
07/15/2005		e company de server para anti-región de la company de la c	451.65	29.00	37.00	25.37	426.28							40000000000000000000000000000000000000	A5000500
01/10/2006			451.65	29.00	37.00	19.81	431.84	-) <u></u>			_		
7/21/2006			451.65	29.00	37.00	25.16	426.49				 				\$220,000
1/17/2007			451.65	29.00	37.00	28.95	422.70	8 — 88		. —				-	
7/18/2007		d	451.65	29.00	37.00										
MW-11															
3/20/1995		on position of the Source	448.02	29.00	39.00	25.02	423.00	<50	<0.5	<0.5	<0.5	<0.5	-	(0.0 <u>44</u> 0.00)	
6/2/1995			448.02	29.00	39.00	23.82	424.20								ASSESTABLE
8/23/1995			448.02	29.00	39.00	30.15	417.87	<50	<0.5	<0.5	<0.5	<0.5	ા	- A	
12/4/1995			448.02	29.00	39.00	31.63	416.39					**	**		
2/20/1996			448.02	29.00	39.00	20.94	427.08	<50	<0.5	<0.5	<0.5	<0.5	<3		
5/15/1996		-and-communication of the control of	448.02	29.00	39.00	23.03	424.99	**							
8/13/1996	<u></u>		448.02	29.00	39.00	29.19	418.83	<50	<0.5	<0.5	<0.5	<0.5	<3	reconstruction.	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

				Top of	Bottom of		Water Level			Concentra	tions in (µ:	g/L)	7000		
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
MW-11 Cont.															
11/13/1996	<u></u>		448.02	29.00	39.00	31.96	416.06		-		773 - 274 2 - 201 2 - 2				1977 (1977)
3/26/1997			448.02	29.00	39.00	26.61	421.41	<50	<0.5	<0.5	<0.5	<0.5	<3) MENNESCO (1924	35531988
5/15/1997			448.02	29.00	39.00	29.39	418.63	_				harnoon convicue	mana Markanasa Angarana		05500000000 120000000
8/26/1997	**	22.0 Mark 1922 10 302 10 302 10 304 10	448.02	29.00	39.00	33.47	414.55	<50	<0.5	<0.5	<0,5	<0.5	<3	4255/05/405	26535536580
11/5/1997			448.02	29.00	39.00	35.12	412.90) <u>I</u>						1020	
2/18/1998		**************************************	448.02	29.00	39.00	18.03	429.99	<50	<0.5	<0.5	<0.5	1	<3	**	1955504065/4
<i>5/</i> 20/1998			448.02	29.00	39.00	23.00	425.02	3 <u>4</u> 3 3		_			-		100 <u>000</u>
7/30/1998	P	,	448.02	29.00	39.00	29.30	418.72	<50	<0.5	<0.5	<0.5	<0.5	<3	5.59	
10/29/1998			448.02	29.00	39.00	34.47	413.55	(8) – (8)	-	-			<u>-</u>	80 🕮 🕅	32233
3/16/1999	P		448.02	29.00	39.00	27.88	420.14	<50	<0.5	<0.5	<0.5	<0.5	<3	1.0	
5/5/1999			448.02	29.00	39.00	26.85	421.17	-			8 (8 				(142)
8/26/1999	P		448.02	29.00	39.00	32.74	415.28	<50	<0.5	<0.5	<0.5	<0.5	<3	4.59	**
12/3/1999	10 (448.02	29.00	39.00	34.70	413.32	-	-	-				- s	(6 (6
3/13/2000	P		448.02	29.00	39.00	25.94	422.08	<50	<0.5	<0.5	<0.5	<l< td=""><td>ব</td><td>3.21</td><td></td></l<>	ব	3.21	
6/20/2000			448.02	29.00	39.00	30.40	417.62	-					j. to 17	3.3	0.77
8/31/2000		b	448.02	29.00	39.00			<50.0	<0.500	<0.500	<0.500	<0.500	<2.50		
8/31/2000	NP		448.02	29.00	39.00	32.68	415.34	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.4	
2/9/2001			448.02	29.00	39.00	31.17	416.85		**			***			**
9/17/2001	NP		448.02	29.00	39.00	32.98	415.04	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.62	
1/21/2002	**		448.02	29.00	39.00	31.05	416.97			**			****		
7/19/2002	P		448.02	29.00	39.00	31.67	416.35	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	7.7
1/15/2003			448.02	29.00	39.00	23.75	424.27				***				
7/9/2003	P		448.02	29.00	39.00	31.06	416.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	6.6
02/19/2004			448.02	29.00	39.00	27.21	420.81	-					**		
08/04/2004	P		450.41	29.00	39.00	31.71	418.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.3	7.1
01/18/2005	entitioning paraceae months		450.41	29.00	39.00	24.80	425.61					**	**		
07/15/2005	P	6.49.00.0038.68.6.9	450.41	29.00	39.00	29.15	421.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	7.1
01/10/2006	***		450.41	29.00	39.00	20.87	429.54								
7/21/2006	P		450.41	29.00	39.00	29.30	421.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	7.2
1/17/2007	**		450.41	29.00	39.00	31.59	418.82								

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, CA

- September 1991				Top of	Bottom of		Water Level			Concentra	tions in (u	φ/I_)			}
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-11 Cont.	-	THEFT OF FACILITIES													
7/18/2007	NP		450.41	29.00	39.00	29.22	421.19	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.35	7.12
RW-1										P0000000000000000000000000000000000000					
3/20/1995			451.67	25.50	40.50	23.76	427.91	15,000	1,000	140	310	950			
6/2/1995			451.67	25.50	40.50	25.12	426.55	12,000	1,300	280	420	1,100			
8/23/1995		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	451.67	25.50	40.50	28.80	422.87	8,200	520	190	240	610	<50		(mm)
12/4/1995	** No.		451.67	25.50	40.50	31.15	420.52	2,600	140	59	83	210			Harity Fary
2/20/1996			451.67	25.50	40.50	21.45	430,22	6,300	410	160	180	650	<40		
5/15/1996	STRONG ST	KOPSZATENYA MODULATU PONIOPOPOPOPO	451.67	25.50	40.50	22.97	428.70	Mary Company of the C							
8/13/1996			451.67	25.50	40.50	24.74	426.93	-			-	-	60 00 70 00	7.5	(0.000) (0.000)
11/13/1996	***		451.67	25.50	40.50	30.69	420.98								
3/26/1997			451.67	25.50	40.50	25.69	425.98	500	57	3	6.4	18	54	- - -	7
5/15/1997			451.67	25.50	40.50	28.19	423.48							*	
8/26/1997			451.67	25.50	40.50	31.21	420.46	-				<u>-</u>			
11/5/1997			451.67	25.50	40.50	33.67	418.00								and the
2/18/1998 5/20/1998			451.67	25.50	40.50	20.14	431.53	9,400	200	70	190	710	<60	=	
7/30/1998	e-2000 x 10000 x 1000 x		451.67 451.67	25.50	40.50	23.43	428.24								 10578000000000
10/29/1998			451.67	25.50 25.50	40.50 40.50	27.42 32.47	424.25 419.20		_		- -			***	<u>-</u>
3/16/1999	NP		451.67	25.50	40.50	25.45	419.20	1,100	140	 19	 45				 Issaes
5/5/1999			451.67	25.50	40.50	27.23	424.44		140		43	83	530	1,0	-
8/26/1999			451.67	25.50	40.50	29.98	421.69							1.39	 1355-33
12/3/1999	**		451.67	25.50	40.50	32.38	419.29								(((0.00)))
3/13/2000	NP		451.67	25.50	40.50	25.53	426.14	1.100	130	3.5	0.7	95	230	4.43	
6/20/2000	**		451.67	25.50	40.50	28.31	423.36				***			1.9	
8/31/2000	NP		451.67	25.50	40.50	30.61	421.06	<50.0	<0.500	<0.500	<0.500	<0.500	82.5	3.21	
2/9/2001	NP		451.67	25.50	40.50	31.14	420.53	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.84	
9/17/2001	NP		451:67	25.50	40.50	31.70	419.97	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.51	
1/21/2002	NP	gangan companyang mga nganggay noonoo sansandoo sanga labagg	451.67	25.50	40.50	30.15	421.52	<50	7.7	<0.50	<0.50	1.5	18	0.63	
7/19/2002	NP		451.67	25.50	40.50	31.15	420.52	<50	<0.50	<0.50	<0.50	<0.50	13	1.4	6.6
1/15/2003		a	451.67	25.50	40.50	22.20	429,47	860	9	1.6	17	42	1.5	2.8	7.2

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #771, 899 Rincon Ave., Livermore, 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
RW-1 Cont.			777												
7/9/2003	-	TO THE STATE OF THE CONTROL OF THE PARTY OF THE CONTROL OF THE CON	451.67	25:50	40.50	29.56	422.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	7.1
02/19/2004	NP	c	451.67	25.50	40.50	23.53	428.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	6.7
08/04/2004	P		454.11	25.50	40.50	22.45	431.66	600	<0.50	<0.50	3.3	3.4	<0.50	4,4	7.2
01/18/2005	P		454.11	25.50	40.50	23.57	430.54	1,400	8.0	1.9	22	68	<0.50	3.6	6.9
07/15/2005	NP		454.11	25.50	40.50	29.02	425.09	<50	<0.50	<0.50	<0.50	<0.50	2.0	1.1	7.8
01/10/2006	P		454.11	25.50	40.50	21.88	432.23	480	4.3	0.67	8.3	18	0.54	4.4	7.1
7/21/2006		d	454.11	25.50	40.50	010000000000000000000000000000000000000	10 mg 122 mg 10 mg	40 <u>44</u> (1.)	10.20		5 5	<u></u>		100 22	
1/17/2007	Р		454.11	25.50	40.50	31.48	422.63	6,900	17	2.8	22	31	2.6	4.08	7.74
7/18/2007	NP		454.11	25.50	40.50	32.45	421.66	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.33	7.48
VW-1															
8/31/2000	P		- 1	18.50	28.50	20.61		<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	10.08	-
2/9/2001	P		-	18.50	28.50	22.10	***	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.53	
9/17/2001	P		-	18.50	28.50	21.99	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	6.59	
1/21/2002	P	200 C C C C C C C C C C C C C C C C C C		18.50	28.50	21.50	**	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.7	
7/19/2002	P		- 1	18.50	28.50	22.42	<u>-</u>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.9	7.1
1/15/2003		A THE PERSON AS A PROPERTY OF THE PERSON AS A PARTY OF THE PERSON AS A		18.50	28.50	22.59		<50	<0.50	<0.50	0.63	1.7	<0.50	5.4	7.2
7/9/2003				18.50	28.50	22.50	-	<50	<0.50	<0.50	<0.50	0.61	<0.50	2,0	7.0
02/19/2004				18.50	28.50	21.04		**		*-					
08/04/2004	P		453.29	18.50	28.50	20.48	432.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	7.0
01/18/2005	***		453.29	18.50	28.50	21.72	431.57				***			***	
07/15/2005	P		453.29	18:50	28.50	22.50	430.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5:1	7.4
01/10/2006		2002 for earliest & Unition (SA/2000) & Na h-2000 and (A) h-2000 and (A)	453.29	18.50	28.50	20.17	433.12		*-			**			***
7/21/2006	P	e	453.29	18.50	28.50	22.50	430.79	220	<0.50	<0.50	<0.50	<0.50	<0.50	5.91	7.3
1/17/2007		B yzgy y 4, 2,4 li 142,500 kg i közellászvozennek szeresen resensek elektronés	453.29	18.50	28.50	21.67	431.62								
7/18/2007	NP		453.29	18.50	28.50	23.58	429.71	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.45	8.52

SYMBOLS AND ABBREVIATIONS:

--/- - = Not analyzed/applicable/sampled/measured

< = Not detected at or above specified laboratory reporting limit

DO = Dissolved oxygen

DTW = Depth to water in ft bgs

ft bgs = Feet below ground surface

ft MSL = Feet above mean sea level

GRO = Gasoline range organics, range C4-C12

GWE = Groundwater elevation in ft MSL

g/L = Micrograms per liter

mg/L = Milligrams per liter

MTBE = Methyl tert-butyl ether

NP = Not purged before sampling

P = Purged before sampling

TPH-g = Total petroleum hydrocarbons as gasoline

TOC = Top of casing elevation in ft MSL

FOOTNOTES:

a = Chromatogram Pattern: Gasoline C6-C10

b = Duplicate sample

c = GRO analyzed by EPA Method 8015B modified

d = Well inaccessible

e = Hydrocarbon result partly due to individ. peak(s) in quant. range,

NOTES:

For previous historical GWE and analytical data please refer to Fourth Quarter 1995 Groundwater Monitoring Program Results and Remediation System Performance Evaluation Report, ARCO Service Station 771, Livermore, California, (EMCON, March 1, 1996).

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

All analytes unless otherwise notes utilized EPA Method 8260B, EPA method 8015B modified prior to 1/15/03, and EPA method 8020 prior to 12/03/99.

Site wells were resurveyed to NAVD '88 datum on March 8, 2004.

Top of screen and bottom of screen depths for MW-3 and MW-6 are estimated from cross-sections.

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 #771, 899 Rincon Ave., Livermore, CA

Well and				Concentrati	ons in (μg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-1									
02/19/2004							O.	-	
08/04/2004									
01/18/2005						_		- a a	Salaringen as any other water
07/15/2005									
01/10/2006							-		
MW-2									
7/9/2003	<1,000	<200	39	<5.0	<5.0	<5.0	<5.0	<5.0	
02/19/2004					-	**	<u>.</u>		
08/04/2004	<2,000	<400	78	<10	<10	<10	<10	<10	
01/18/2005	***								
07/15/2005	<500	120	46	<2.5	<2.5	<2.5	<2.5	<2.5	
01/10/2006									200 - 100 -
7/21/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/18/2007	<600	89	45	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-3		-							
02/19/2004				·					
08/04/2004				-	*-				
01/18/2005	-	-		-	-	10 OT 10		0.0 - 0.0	Operation in Allert and a Conference of the Conf
07/15/2005				HISTORY HISTORY AND					
01/10/2006			-	-		-	-	-	
MW-4									
7/9/2003	<1,000	750	150	<5.0	<5.0	<5.0	<5.0	<5.0	
02/19/2004	<1,000	630	180	<10	<10	<10	<5.0	<5.0	
08/04/2004	<2,000	1,300	300	<10	<10	<10	<10	<10	
01/18/2005	<1,000	630	160	<5.0	<5.0	<5.0	<5.0	<5.0	a
07/15/2005	<1,000	850	230	<5.0	<5.0	5 .0	<5.0	<5.0	
01/10/2006	<1,500	810	190	<2.5	<2.5	<2.5	<2.5	<2.5	
7/21/2006	<300	35	3.1	<0.50	<0.50	<0.50	<0.50	<0.50	
1/17/2007 7/18/2007	<300	<20	11 74	<0.50	<0.50	<0.50	<0.50	<0.50	
//18/200/	<300	830	74	<0.50	<0.50	<0.50	0.76	<0.50	

Table 2. Summary of Fuel Additives Analytical Data Station #771, 899 Rincon Ave., Livermore, CA

Well and					ons in (µg/L)			, , , , , , , , , , , , , , , , , , ,	
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-5									
7/9/2003	<1,000	1,100	260	<5.0	<5.0	<5.0	<5.0	<5.0	
02/19/2004	**								
08/04/2004	<1,000	850	250	<5.0	<5.0	<5.0	<5.0	4 5.0	
01/18/2005	**			THE THE PROPERTY OF THE PROPER					
07/15/2005	<1,000	720	270	<5.0	<5.0	<5.0	<5.0	<5.0	
01/10/2006 7/21/2006	-7,000								
7/18/2007	<3,000 <300	<200 260	14 110	<5.0 <0.50	<5.0 <0.50	<5.0 <0.50	<5.0 <0.50	<5.0 <0.50	
MW-6	1 4300	200	110	~0.50	~0.50	C0.30	\ \(\frac{\lambda}{\triangle}\)	<0.50	7
7/9/2003	<100	<20	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	
02/19/2004 08/04/2004	<100	 <20	 5.2	<0.50	 <0.50	<0.50	 <0:50	<0.50	
01/18/2005							 	<0.30	
07/15/2005	<500	110	32	<2.5	<2.5	<2.5	<2,5	<2.5	
01/10/2006		**							
7/21/2006	<300	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	
7/18/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-7									
7/9/2003	<1,000	350	110	<5.0	<5.0	<5.0	<5.0	<5.0	
02/19/2004	<1,000	420	100	<10	<10	<10	<5.0	<5.0	
08/04/2004	<5,000	<1,000	140	<25	<25	<25	<25	<25	
01/18/2005	<1,000	260	87	<5.0	<5.0	<5.0	<5.0	<5.0	a a
07/15/2005	<5.000	<1,000	150	<25	<25	<25	<25	<25	
01/10/2006	<30,000	<2,000	120	<50	<50	<50	<50	<50	
7/21/2006 1/17/2007	<30,000 <1,500	<2,000	54	<50	<50	<50	5 0	<50	
7/18/2007	<1,500 < 600	<100 220	3.1 67	<2.5 <1.0	<2.5 <1.0	<2.5 <1.0	<2.5 <1.0	<2.5 <1.0	
MW-8	1000		0 /	1.0	\1.0	<1.U	<1.U	<1.0	
441							**************************************		
02/19/2004				_		220	_		
08/04/2004									

Table 2. Summary of Fuel Additives Analytical Data Station #771, 899 Rincon Ave., Livermore, CA

Well and		<u> </u>		Concentrati	ons in (µg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ЕТВЕ	TAME	1,2-DCA	EDB	Comments
MW-8 Cont.									
01/18/2005			-			-	_		
07/15/2005									
01/10/2006	-	 			<u>-</u>	1 To 2	-	-	
MW-9									
02/19/2004					_			-	
08/04/2004									
01/18/2005	-	1.181.00 <u>2.</u> 560.661	10 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20 au <u></u> 0 au			-	
07/15/2005							A		
01/10/2006				-					
MW-10									
02/19/2004			-				- - -	a (1) (0)	
01/18/2005									NOTE OF THE PROPERTY OF THE PR
07/15/2005 01/10/2006						manasi Tibi ba		-	
	***						***		
MW-11	**************************************	((UXXXIII) MA VIORAN NIDASANNIN (MAVI	and which the country the forest way the first of the country of	MARIEN A CHEMINAL PROPERTY & GREEN AND RATE	NASA MANAGANANANANANANANANANANANANANANANANANA	WATER COMMENTS OF THE PROPERTY	THE INTERNATION OF THE PROPERTY OF THE PROPERT		
7/9/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	Control of the Contro
02/19/2004 08/04/2004	 <100	 <20	 -0.50	-0.50	 .0.50	 0.50			
01/18/2005	 <100		<0.50 	<0.50 	<0.50	<0.50	<0.50	<0.50	
07/15/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/10/2006									
7/21/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/18/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
RW-1									
7/9/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0,50	
02/19/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	ACCESSOR AND ACCESSOR ACCESSOR AND ACCESSOR AND ACCESSOR
08/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
07/15/2005	<100	<20	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data Station #771, 899 Rincon Ave., Livermore, CA

Well and				Concentration	ons in (µg/L)			######################################	
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
RW-1 Cont.							THE PROPERTY OF THE PROPERTY O		
01/10/2006	<300	<20	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	
1/17/2007	<1,500	<100	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	
7/18/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
VW-1									
7/9/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/19/2004									2.00 Sept. 10 Sept. 1
08/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005					**		<u>^</u>		2
07/15/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/10/2006						**			Account to the second to the second of the s
7/21/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/18/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS AND ABBREVIATIONS:

< = Not detected at or above specified laboratory reporting limit 1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
µg/L = Micrograms per liter
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol

FOOTNOTES:

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

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

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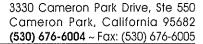
Table 3. Historical Ground-Water Flow Direction and Gradient Station #771, 899 Rincon Ave., Livermore, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
3/20/1995	Northwest	0.030
6/2/1995	North-Northwest	0.014
8/23/1995	North-Northwest	0.030
12/4/1995	North-Northwest	0.030
2/20/1996	Northwest	0.016
5/15/1996	Northwest	0.024
8/13/1996	North-Northwest	0.030
11/13/1996	North-Northwest	0.031
3/26/1997	North-Northwest	0.044
5/15/1997	North-Northwest	0.031
8/26/1997	North-Northwest	0.042
11/5/1997	North-Northwest	0.030
2/18/1998	Northwest	
5/20/1998	Northwest	0.030
7/30/1998	North	0.040
10/29/1998	North	0.005
3/16/1999	North-Northwest	0.030
5/5/1999	North	0.040
8/26/1999	North-Northwest	0.050
12/3/1999 3/13/2000	North-Northwest North-Northwest	0.060 0.066
6/20/2000	North-Northwest	0.050
8/31/2000	North-Northwest	0.062
2/9/2001	North-Northeast	0.014
9/17/2001	North-Northwest	0.061
1/21/2002	North-Northwest	0.050
7/19/2002	North-Northwest	0.044
1/15/2003	Northeast to Southeast	0,038 - 0.016
7/9/2003	Northwest to North-Northwest	0.009 - 0.063
2/19/2004	North	0.044
8/4/2004	Northeast	0.071
1/18/2005	North-Northeast	0.04
7/15/2005	Northeast and Southwest	0.05 and 0.02
1/10/2006	North	0.02
7/21/2006	North and Southwest	0.05 and 0.02
1/17/2007	North-Northeast and Southwest	0.03 and 0.02
7/18/2007	North-Northeast to Southwest	0.03 and 0.04

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. GROUND-WATER SAMPLING DATA PACKAGE (INCLUDES, FIELD DATA SHEETS, NON-HAZARDOUS WASTE DATA FORM, AND CERTIFIED LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY DOCUMENTATION)





August 9, 2007

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

Re: Groundwater Sampling Data Package, BP Service Station No. 771, located at 899 Rincon

Avenue, Livermore, California

General Information

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

Phone Number: (530) 676-6000

On-Site Supplier Representatives: Vince Zalutka and David DeMello

Date: July 18, 2007

Arrival: 04:50 Departure: 09:00

Weather Conditions: Clear

Unusual Field Conditions: Clear

Scope of Work Performed: Quarterly monitoring and sampling

Variations from Work Scope: Wells MW-2, MW-6 and MW-7 purged dry before three casing

volumes could be removed.

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 ENVIRONNIENTAL INC

Jan R. Johnson, P.G Project Manager Jay R. Johnson
No. 5867

Attachments:

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

cc: Mr. Paul Supple, BP/ARCO



Global ID: T0600100113 Site Address 899 Rincon Ave

City Livermore, CA
Sampled By: David D & VinceZ

Site Number Arco 771 Project No E771

ORIGINAL Project PM Jay Johnson
Date 07-18-07

	Water Level Data			Purge Volume Calculations				Well Purge Method			Sample Record			Field Data			
Well ID	Time	Depth to water feet	Top of Screen feet	Qtr. Meas. Depth of Well (feet)	Casing Water Column (A)	Well Diameter (Inches)	Multiplier Value (B)	Three Casing Volumes (Gallons)	Actual Water Purged (Gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample time	Dissolved Oxygen (mg/L)
MW-1	0608	32.85	32	39.55		4	2			X					MW-1	0615	1.31
MW-2	0522	29.07	30	33.26	4.89	4	2	4.8	5		X	DRY	9,5	31.88	MW-2	0835	1.19
мw-з	0723	29.53	32	39.48		4	2								мw-з	N/5	
MW-4	0530		26	4140		4	2		6 15 12 6	% .	×		1 16 6	1711 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MW-4	0647	5.03
MW-5		33.42	31.5	41.00		4	2			X	X			id his kerk and stands of	MW-5	0555	7.73
MW-6	6609	30.96		43.07		4	2	24,72	5	1000	Magnetic Control	X	Dry	32.02	MW-6	0745	4.95
MW-7	0535	29.73	30	32.48	9.75	4	2	19.5	14	eranen Austra	X	i)R	10,14	36.50	MW-7	0425	4.86
MW-8	0527	31.92		41,32	100	4	2			L.,					MW-8	N/S N/S	
MW-9	N/M	BY CARS	29.5	NO		2	0.5								MW-9	N/5	
MW-10	N/m			Access		2	0.5								MW-10	N/S	
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RW-1	0638	32.45	25.5	39,55		6	4.4			X	X		rest Research		RW-1	0645	1,33
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Site Address 899 Rincon Ave

City Livermore, CA
Sampled By: David D & VinceZ

Site Number Arco 771 Project No E771 Project PM Jay Johnson
Date 7/19/07

					ORIGINAL					
Well ID MW-1 6615					Well ID Sheen MW-2 0835					
purge start time	NoPur	5E	000	R	purge start time			p oi	sa!	
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time	Par y				time					
time					tíme					
purge stop time					purge stop time ORP (52)					
Well ID		MV	V-5 08	55	Well ID MW-6 5742					
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Site Address 899 Rincon Ave
City Livermore, CA
Sampled By: David D & VinceZ

Site Number Arco 771
Project No E771
Project PM Jay Johnson
Date 7/18/07

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Well ID		MΜ	/ -9		Well ID MW-10					
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time					time					
time					time					
nurge stop tim					nurge stap time	2				

NON-HAZARE DATA FORM

					EPA I.D. NO.				
	NAME BY WEST COAS		PROFIL NO.						
В	ADDRESS <u>P.O. BOX BO</u> <u>RANCHO BAU</u> CITY, STATE, ZIP <u>CA 92668</u>		arta 			PHONE NO. ()			
GENERATOR	CONTAINER		24	WEIGHT					
	TYPE: TANK TRUCK				OTHER				
ED BY	WASTE DESCRIPTION ON HE COMPONENTS OF W	AZARDOLI aste 99-1	ENERATING PROCESS COMPONENT	ELL PURGING/DECON WATER NENTS OF WASTE PPM 9/					
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	HANDLING INSTRUCTIONS:	Wear <u>a</u>	l <u>i appro</u> i	PRIMTE PROTE	CINE CLOTHIN	©	- And the second of the second		
	THE GENERATOR CER- WASTE AS DESCRI NON-HAZARDOUS.	TIFIES THAT TH BED IS 100		TV MONTHER BE		7/18/6	DATE		
æ	Transposier STRATIS EN			Transporber #1	EPA I.D. NO.				
TRANSPORTER	ADDRESS 2334 CAMEN			E 550		SERVICE ORDER NO.			
RANSF		CITY, STATE, ZIP CAMERON PARK CA 95652 PICK UP DATE							
Ш	PHONE NO. TRUCK, UNIT, LD. NO.	. E. L. J P		ED OR PRINTED FULL NAME			7/7/22 DATE		
		FINNE 6	ENVIRON	MENTAL, LLC	EPA I.D. NO.	DISPOSAL ME			
	ADDRESS 700 SEAPOR					LANDFILL COTHER			
Lλ	CITY, STATE, ZIP		A 9/40/63			***************************************			
TSD FACILITY	PHONE NO. 653-354-1								
TSD	p. 1		TYP	ED OR PRINTED FULL NAI	ME & SIGNATURE		DATE		
	GEN	OLD/NEW	L A	TONS					
	TRANS		S B	HWDF					
	C/Q			NONE	DISCREPANCY				

Atlantic Richfield Company

Lab Name: TestAmerica

Chain of Custody Record

Project Name:

ARCO 771

ORIGINAL

771

BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > Alameda > 771

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

BP/AR Facility No.:

STO- TAT

On-site Time: 0450	Temp: 60 ⁻⁵
Off-site Time: 0900	Temp: 705
Sky Conditions: Overcas	s <i>T</i>
Meteorological Events:	
Wind Speed:	Direction: -

Stratus Environmental, Inc.

Consultant/Contractor:

Address: 885 Jarvis Drive	BP/AR Facility Address: 899 Rincon Ave., Livermore	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID No.: T0600100113	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C1M-0020	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150		Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: cjewitt@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.
Lab Bottle Order No: Matrix	Preservative RL by \$260 Requesti	
Time Sample Description Time Date No. Nater/Liquid Air	No. of Containers Unpreserved H ₂ SO ₄ HNO ₃ HCl Methanol GRO/BTEX/Oxy* 1,2-DCA Ethanol EDB	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1 MW-2 0835 07/8 X	3	
2 MW-4 0647 1 1	3 1 1 1 1 1 1	
3 MW-5 0553	3	
4 MW-6 0745	3	
5 MW-7 0825	3	
6 MW-11 0551	6	
7 RW-1 045	3	
8 VW-1 0717 4 1	3 1 1 1 1 1	
9		
10 TB-771 0600 07/18 4	2	HOLD
Sampler's Name: David Demello	Relinquished By / Affiliation Date Time	Accepted By / Affiliation Date Time
Sampler's Company: Stratus Environmental Shipment Date: 07-18-07	Dav D JeMello / Stratus 1-18-07 1130	Thenglie - Testamerica 7/18/ 1/30
Shipment Method: In Person Stratus		
Shipment Tracking No:		
Special Instructions: Please cc results to rmiller@	broadbentinc.com	
Custody Seals In Place: Yes / No Temp Blank Y	s / No Cooler Temp on Receipt: °F/C Trip Blank: 代	%/ No MS/MSD Sample Submitted: Yes / No



3 August, 2007

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

RE: ARCO #0771, Livermore, CA Work Order: MQG0684

Enclosed are the results of analyses for samples received by the laboratory on 07/18/07 19:30. 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.





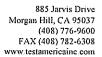
Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MQG0684-01	Water	07/18/07 08:35	07/18/07 19:30
MW-4	MQG0684-02	Water	07/18/07 06:47	07/18/07 19:30
MW-5	MQG0684-03	Water	07/18/07 05:55	07/18/07 19:30
MW-6	MQG0684-04	Water	07/18/07 07:45	07/18/07 19:30
MW-7	MQG0684-05	Water	07/18/07 08:25	07/18/07 19:30
MW-11	MQG0684-06	Water	07/18/07 05:51	07/18/07 19:30
RW-I	MQG0684-07	Water	07/18/07 06:45	07/18/07 19:30
VW-1	MQG0684-08	Water	07/18/07 07:17	07/18/07 19:30
TB-771	MQG0684-09	Water	07/18/07 06:00	07/18/07 19:30

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.





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Reporting t Limi							
	t Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
08:35 Receive	d: 07/18/07	19:30					H4444
100	ug/l	2	7G26048	07/25/07	07/27/07	LUFT GCMS	/
94 %	60-1	25	n	11	,,	"	
94 %	75-1	20	n	ν	"	"	
100 %	80-1	20	"	"	n	11	
95 %	60-1	35	"	"	n	"	
06:47 Receive	d: 07/18/07	19:30					
50	ug/l	1	7G26048	07/25/07	07/27/07	LUFT GCMS	
94 %	60-1	25	n	ir	,,	"	
99 %	75-1	20	"	"	n	"	
98 %	80-1	20	"	"	u	"	
	60-1	35	п	и	n	H	
05:55 Receive	d: 07/18/07	19:30					
50	ug/l	1	7G26048	07/25/07	07/27/07	LUFT GCMS	
96 %	60-1	25	"	"	n	0	
89 %	75-1	20	"	"	v	n	
100 %	80-1	20	"	"	n	"	
93 %	60-1	35	"	"	v	n	
07:45 Receive	d: 07/18/07	19:30					
50	ug/l	1	7G26048	07/25/07	07/27/07	LUFT GCMS	
90 %	60-1	25	ν	"	"	n	
97 %	75-1	20	u	n	и	"	
96 %	80-1	20	"	"	**	"	
94 %	60-1	35	**	"	u	"	
	94 % 94 % 94 % 100 % 95 % 96:47 Receive 9	100 ug/l 94 % 60-i 94 % 75-i 100 % 80-i 95 % 60-i 95 % 60-i 95 % 60-i 96:47 Received: 07/18/07 98 % 80-i 92 % 60-i 93 % 60-i 94 % 80-i 95 % 80-i	94 % 60-125 94 % 75-120 100 % 80-120 95 % 60-135 06:47 Received: 07/18/07 19:30 0 50 ug/l 1 94 % 60-125 99 % 75-120 92 % 60-135 05:55 Received: 07/18/07 19:30 0 50 ug/l 1 96 % 60-125 89 % 75-120 100 % 80-120 93 % 60-135 07:45 Received: 07/18/07 19:30 0 50 ug/l 1 90 % 60-125 97 % 75-120 96 % 80-120	100 ug/l 2 7G26048 94 % 60-125 " 94 % 75-120 " 100 % 80-120 " 95 % 60-135 " 06:47 Received: 07/18/07 19:30 0 50 ug/l 1 7G26048 94 % 60-125 " 99 % 75-120 " 92 % 60-135 " 05:55 Received: 07/18/07 19:30 0 50 ug/l 1 7G26048 96 % 60-125 " 100 % 80-120 " 100 % 80-120 " 100 % 80-120 " 100 % 80-120 " 100 % 80-120 " 100 % 80-120 " 100 % 80-120 " 107:45 Received: 07/18/07 19:30 0 50 ug/l 1 7G26048 90 % 60-125 " 107:45 Received: 07/18/07 19:30 0 50 ug/l 1 7G26048 90 % 60-125 " 107:45 Received: 07/18/07 19:30	100 ug/l 2 7G26048 07/25/07 94 % 60-125 " " 100 % 80-120 " " 95 % 60-135 " " 06:47 Received: 07/18/07 19:30 50 ug/l 1 7G26048 07/25/07 98 % 80-120 " " 99 % 75-120 " " 98 % 80-120 " " 92 % 60-135 " " 05:55 Received: 07/18/07 19:30 50 ug/l 1 7G26048 07/25/07 96 % 60-125 " " 100 % 80-120 " " 97 % 75-120 " " 100 % 80-125 " " 100 % 80-125 " " 100 % 80-120 " " 100 % 80-120 " " 100 % 80-120 " " 100 % 80-120 " " 100 % 80-120 " " 93 % 60-135 " " 17:45 Received: 07/18/07 19:30 10 50 ug/l 1 7G26048 07/25/07 90 % 60-125 " " 97 % 75-120 " " 90 % 60-125 " " 97 % 75-120 " " 90 % 60-125 " " 90 % 60-125 " " 90 % 60-125 " " 90 % 60-125 " " 90 % 60-125 " " 90 % 60-125 " " 90 % 80-120 " " 90 % 60-125 " "	100 ug/l 2 7G26048 07/25/07 07/27/07 94 % 60-125 " " " 100 % 80-120 " " " 95 % 60-135 " " " 06:47 Received: 07/18/07 19:30 50 ug/l 1 7G26048 07/25/07 07/27/07 94 % 60-125 " " " 98 % 80-120 " " " 98 % 80-120 " " " 99 % 75-120 " " " 92 % 60-135 " " " 05:55 Received: 07/18/07 19:30 50 ug/l 1 7G26048 07/25/07 07/27/07 96 % 60-125 " " " 97 % 75-120 " " " 100 % 80-120 " " " " 100 % 80-125 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " 100 % 80-120 " " " " " 100 % 80-120 " " " " " 100 % 80-120 " " " " " 100 % 80-120 " " " " " 100 % 80-120 " " " " " " 100 % 80-120 " " " " " " 100 % 80-120 " " " " " " " 100 % 80-120 " " " " " " " "	94 % 60-125 " " " " " " " " " " " " " " " " " " "





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Analyte	Result	Reporting Lîmit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MQG0684-05) Water Sampl	led: 07/18/07 08:25	Received:	07/18/07 1	9:30					
Gasoline Range Organics (C4-C12)	2400	100	ug/l	2	7G26048	07/25/07	07/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		97 %	60-12	5	H	1)	"	"	
Surrogate: Dibromofluoromethane		94 %	75-12	0	n	n	n .	"	
Surrogate: Toluene-d8		100 %	80-12	0	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94 %	60-13	5	n	"	n	u	
MW-11 (MQG0684-06) Water Samp	oled: 07/18/07 05:51	Received	1: 07/18/07	19:30					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7G26048	07/25/07	07/26/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		94 %	60-12	5	"	n	n	u	
Surrogate: Dibromofluoromethane		97 %	75-12	0	"	и	u	If	
Surrogate: Toluene-d8		100 %	80-12	0	,,	,,	"	**	
Surrogate: 4-Bromofluorobenzene	`	87 %	60-13	5	"	n	"	n	
RW-1 (MQG0684-07) Water Sample	ed: 07/18/07 06:45	Received:	07/18/07 19	9:30					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7G30002	07/30/07	07/30/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		108 %	60-12	5	"	"	n	"	
Surrogate: Dibromofluoromethane		107 %	75-1 <i>2</i>	0	"	"	n	u	
Surrogate: Toluene-d8		101 %	80-12	0	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	60-13	5	"	"	"	11	
VW-1 (MQG0684-08) Water Sample	ed: 07/18/07 07:17	Received:	07/18/07 19	9:30					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7G26048	07/25/07	07/27/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		96 %	60-12	5	υ	"	"	n	
Surrogate: Dibromofluoromethane		100 %	75-12	0	v	"	n	v	
Surrogate: Toluene-d8		99 %	80-12	0	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		92 %	60-13	5	"	"	"	"	





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-2 (MQG0684-01) Water	Sampled: 07/18/07 08:35	Received	: 07/18/07	19:30					
tert-Amyl methyl ether	ND	1.0	ug/l	2	7G26048	07/25/07	07/27/07	EPA 8260B	
Benzene	58	1.0	0	11	И	"	Ħ	O .	
tert-Butyl alcohol	89	40	P	o o	н	ţ1	U	B	
Di-isopropyl ether	ND	1.0	н	n	11	11	0	щ	
1,2-Dibromoethane (EDB)	ND	1.0	И	ft.	ų	17	D	fi .	
1,2-Dichloroethane	ND	1.0	h	Ħ	"	tr	н	79	
Ethanol	ND	600	11	n	U.	1+	и	U	
Ethyl tert-butyl ether	ND	1.0	0	ti	19	н	Ħ	U	
Ethylbenzene	9.5	1.0	U	11	И	Ħ	9	и	
Methyl tert-butyl ether	45	1.0	H	U	н	ţı	U	н	
Toluene	2.4	1.0	н	0	H	9	"	N	
Xylenes (total)	3.5,,	1.0	н	ŧ	U	0		11	
Surrogate: Dibromofluoromethand	e	94 %	75-1.	20	u	u	"	tr .	
Surrogate: 1,2-Dichloroethane-d4	!	94 %	60-1.	25	"	"	"	u .	
Surrogate: Toluene-d8		100 %	80-1.	20	"	n	"	u	
Surrogate: 4-Bromofluorobenzene	,	95 %	60-1.	35	n	"	IF	tt	
MW-4 (MQG0684-02) Water S	Sampled: 07/18/07 06:47	Received:	07/18/07	19:30					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7G26048	07/25/07	07/27/07	EPA 8260B	
tert-Butyl alcohol	830	20	D	U	n	ŧ	0	н	
Di-isopropyl ether	ND	0.50	II.	Ø	Ħ	Ð	D	TI .	
1,2-Dibromoethane (EDB)	ND	0.50	II.	O	Ħ	0	R	ų	
1,2-Dichloroethane	0.76	0.50	It	n	0	0	И	u	
Ethanol	ND	300	H	11	()	U	и	O	
Ethyl tert-butyl ether	ND	0.50	H	н	U	H	и	D	
Ethylbenzene	1.3	0.50	ji	н	P	I+	Ħ	μ	
Methyl tert-butyl ether	74	0.50	41	ij	l†	"	9	и	
Toluene	6.8	0.50	u .	#1	н	N	0	п	
Xylenes (total)	4.1	0.50	0	"	н	()	U	11	
Surrogate: Dibromofluoromethane	?	99 %	75-12	20	fr	v	"	"	
Surrogate: 1,2-Dichloroethane-d4		94 %	60-12	25	"	"	"	"	
Surrogate: Toluene-d8		98 %	80-12	20	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	60-1.	25	,,	"	n	n .	





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-4 (MQG0684-02RE1) Wate	r Sampled: 07/18/07 0	6:47 Rece	ived: 07/1	8/07 19:3	0				
Benzene	140	5.0	ug/l	10	7G30002	07/30/07	07/30/07	EPA 8260B	
Surrogate: Dibromofluoromethane		92 %	75-1	20	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		87 %	60-1	25	"	"	#	"	
Surrogate: Toluene-d8		100 %	80-1	20	"	17	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	60-1	35	3f	n	"	"	
MW-5 (MQG0684-03) Water S	ampled: 07/18/07 05:55	Received	: 07/18/07	19:30					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7G26048	07/25/07	07/27/07	EPA 8260B	
Benzene	36	0.50	"	n	u	P	и	u u	
tert-Butyl alcohol	260	20	n	11	u	H	и	11	
Di-isopropyl ether	ND	0.50	ti	н	н	Ħ	tı.	u	
1,2-Dibromoethane (EDB)	ND:	0.50	ø	*1	II .	н	łı	It	
1,2-Dichloroethane	ND	0.50	a	11	н	н	0	Щ	
Ethanol	ND	300	0	'n	"	#	"	н	
Ethyl tert-butyl ether	ND	0.50	O	0	н	*1	U	н	
Ethylbenzene	0.97	0.50	n	0	†I	U	l†	t)	
Methyl tert-butyl ether	110	0.50	11	u	41	ø	It	O	
Toluene	0.84	0.50	II.	17	"	o D	H	0	
Xylenes (total)	2.2	0.50	"						
Surrogate: Dibromofluoromethane		89 %	75-1	20	#	**	н	"	
Surrogate: 1,2-Dichloroethane-d4		96 %	60-1	25	"	"	"	"	
Surrogate: Toluene-d8		100 %	80-1	20	"	"	"	n	
Surrogate: 4-Bromofluorobenzene		93 %	60-1	<i>35</i>	**	Ħ	"	**	
MW-6 (MQG0684-04) Water S	ampled: 07/18/07 07:45	Received:	07/18/07	19:30					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7G26048	07/25/07	07/27/07	EPA 8260B	
Benzene	ND	0.50	H	14	U	li .	#1	It	
tert-Butyl alcohol	ND	20	ļi	и	U	If	tl	t t	
Di-isopropyl ether	ND	0.50	Ħ	h	It	N	U	ls	
1,2-Dibromoethane (EDB)	ND	0.50	†I	łı	H	н	U	н	
1,2-Dichloroethane	ND	0.50	**	*1	н	fI	0	łı	
Ethanol	ND	300	"	"			11	**	
Ethyl tert-butyl ether	ND	0.50		0	н			ti 	
Ethylbenzene	ND	0.50			# 1	0			
Methyl tert-butyl ether	ND	0.50	0		11		н	U U	
Toluene	ND	0.50	17	0	"	"	н	0	
Xylenes (total)	ND	0.50						H	
Surrogate: Dibromofluoromethane		97 %	75-1.	20	п	"	n	v	





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-6 (MQG0684-04) Water	Sampled: 07/18/07 07:45	Received	: 07/18/07	19:30					
Surrogate: 1,2-Dichloroethane-d	4	90 %	60-1.	25	7G26048	07/25/07	07/27/07	EPA 8260B	
Surrogate: Toluene-d8		96 %	80-1.	20	"	n	11	n	
Surrogate: 4-Bromofluorobenzen	e	94 %	60-1.	35	"	"	и	n	
MW-7 (MQG0684-05) Water	Sampled: 07/18/07 08:25	Received	07/18/07	19:30					
tert-Amyl methyl ether	ND	1.0	ug/l	2	7G26048	07/25/07	07/27/07	EPA 8260B	
Benzene	140	1.0	И	D	U	O	и	O .	
tert-Butyl alcohol	220	40	н	н	"	If	И	0	
Di-isopropyl ether	ND	1.0	н	н	11	н	н	B	
1,2-Dibromoethane (EDB)	ND	1.0	11	н	H	н	Ħ	O	
1,2-Dichloroethane	ND	1.0	"	**	н	н	0	I+	
Ethanol	$ND_{\cdot,\epsilon}$	600	U.	0	н	ti	O	н	
Ethyl tert-butyl ether	ND	1.0	н	11	łı.	0	n	я	
Ethylbenzene	9.1	1.0	H	B	9	0	В	Ħ	
Methyl tert-butyl ether	67	1.0	н	н	0	O.)ı	U	
Toluene	2.8	1.0	н	н	"	в	ji	U	
Xylenes (total)	7.3	1.0	11	h	p	p	÷1	U .	
Surrogate: Dibromofluoromethar	1e	94 %	75-12	20	"	н	"	"	
Surrogate: 1,2-Dichloroethane-d	4	97%	60-12	25	rr .	"	n	"	
Surrogate: Toluene-d8		100 %	80-12	20	"	"	n	"	
Surrogate: 4-Bromofluorobenzen	e	94 %	60-13	35	11	n	"	Ħ	
MW-11 (MQG0684-06) Water	Sampled: 07/18/07 05:51	Received	i: 07/18/07	19:30					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7G26048	07/25/07	07/26/07	EPA 8260B	
Benzene	ND	0.50	н	H	0	tr	и	D .	
tert-Butyl alcohol	ND	20	н	н	0	17	н	B	
Di-isopropyl ether	ND	0.50	łı	н	11	H	11	B	
1,2-Dibromoethane (EDB)	ND	0.50	tı	H	H.	и	n	и	
1,2-Dichloroethane	ND	0.50	U	71	11	н	U	н	
Ethanol	ND	300	0	Ħ	μ	н	0	н	
Ethyl tert-butyl ether	ND	0.50	u	tı.	Ħ	19	D	ŧ	
Ethylbenzene	ND	0.50	D	U	Ħ	ø	It	to to	
Methyl tert-butyl ether	ND	0.50	FT .	"	U	n	И	O	
Toluene	ND	0.50	н	t)	O	D	н	O	
Xylenes (total)	ND	0.50	н	н	e e	D	Ħ	P	
Surrogate: Dibromofluoromethar	е	97 %	75-12	20	v	**	11	"	
Surrogate: 1,2-Dichloroethane-d-		94 %	60-12	25	"	n	"	"	
Surrogate: Toluene-d8		100 %	80-12	20	"	**	n	н	
Surrogate: 4-Bromofluorobenzen	e	87 %	60-13		"	,,,	"	ır.	
Jan . Jano. I Di omojimoi obbitabil	•	9,70	00-15	-					

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MQG0684-07) Water	Sampled: 07/18/07 06:45	Received:	07/18/07 19	9:30					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7G30002	07/30/07	07/30/07	EPA 8260B	
Benzene	ND	0.50	h	и	U	н	н	II.	
tert-Butyl alcohol	ND	20	łı	Ħ	It	н	н	U	
Di-isopropyl ether	ND	0.50	U	Ħ	н	H	ţI	P	
1,2-Dibromoethane (EDB)	ND	0.50	11	u	н	Ħ	0	н	
1,2-Dichloroethane	ND	0.50	И	u	11	0	II.	"	
Ethanol	ND	300	И	II	U	U	II	н	
Ethyl tert-butyl ether	ND	0.50	Ħ	н	0	P	ш	U	
Ethylbenzene	ND	0.50	1)	н	O.	H	ij	0	
Methyl tert-butyl ether	ND	0.50	n	†I	H	н	tl	0	
Toluene	ND	0.50	0	a	и	н	U	"	
Xylenes (total)	ND.,	0.50	0	()	n	11	U	н	
Surrogate: Dibromofluorometha.	ne	107 %	75-120)	11	n	"	u	
Surrogate: 1,2-Dichloroethane-a	14	108 %	60-12.	5	"	"	"	"	
Surrogate: Toluene-d8		101 %	80-120	9	H	"	"	n	
Surrogate: 4-Bromofluorobenzer	1e	102 %	60-13:	5	"	"	"	"	
VW-1 (MQG0684-08) Water	Sampled: 07/18/07 07:17	Received:	07/18/07 19	:30					
tert-Amyl methyl ether	ND	0.50	ug/l	1	7G26048	07/25/07	07/27/07	EPA 8260B	
Benzene	ND	0.50	0	*1	Ħ	'n	ų	16	
tert-Butyl alcohol	ND	20	0	ŧı	h	a	11	И	
Di-isopropyl ether	ND	0.50	U	\$1	'n	ŧj	n	н	
1,2-Dibromoethane (EDB)	ND	0.50	"	v	'n	11	H	Ħ	
1,2-Dichloroethane	ND	0.50	n	u,	11	0)†	ti .	
Ethanol	ND	300	It	D	ø	O	н	U	
Ethyl tert-butyl ether	ND	0.50	н	H	0	tt.	н	B	
Ethylbenzene	ND	0.50	н	ŀ	"	£ŧ	n	I+	
Methyl tert-butyl ether	ND	0.50	н	н	P	μ	U	H	
Toluene	ND	0.50	**	†1	н	4	O	н	
Xylenes (total)	ND	0.50	0	H	н	łı	u	н	
Surrogate: Dibromofluorometha	пе	100 %	75-120)	rı	v	"	u	
Surrogate: 1,2-Dichloroethane-a	14	96 %	60-125	5	**	"	"	μ	
Surrogate: Toluene-d8		99 %	80-120)	п	u	n	u	
Surrogate: 4-Bromofluorobenzen	ne	92 %	60-135	5	"	"	"	u	





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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 7G26048 - EPA 5030B P/T	LUFT GCMS									
Blank (7G26048-BLK1)				Prepared of	& Analyze	ed: 07/26/	07			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							***************************************
Surrogate: 1,2-Dichloroethane-d4	2.33		31	2.50		93	60-125			*************************************
Surrogate: Dibromofluoromethane	2.42		11	2.50		97	75-120			
Surrogate: Toluene-d8	2.46		n	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.14		n	2.50		86	60-135			
Laboratory Control Sample (7G26048	-BS2)			Prepared &	& Analyze	ed: 07/26/0	07			
Gasoline Range Organics (C4-C12)	369	50	ug/l	500		74	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.35		и	2.50		94	60-125		****	***************************************
Surrogate: Dibromofluoromethane	2.42		"	2.50		97	75-120			
Surrogate: Toluene-d8	2.47		"	2.50		99	80-120			
Surrogate: 4-Bromofluorobenzene	2.31		"	2.50		92	60-135			
Laboratory Control Sample Dup (7G2	6048-BSD2)			Prepared &	& Analyze	ed: 07/26/0	07			
Gasoline Range Organics (C4-C12)	367	50	ug/l	500		73	65-120	0.6	20	
Surrogate: 1,2-Dichloroethane-d4	2.34		"	2,50		94	60-125			
Surrogate: Dibromofluoromethane	2.42		n	2.50		97	75-120			
Surrogate: Toluene-d8	2.50		"	2.50		100	80-120			
Surrogate: 4-Bromofluorobenzene	2.35		"	2.50		94	60-135			
Batch 7G30002 - EPA 5030B P/T /	LUFT GCMS									
Blank (7G30002-BLK1)				Prepared &	& Analyze	:d: 07/30/0	07			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.49		ıı	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.55		u	2.50		102	75-120			
Surrogate: Toluene-d8	2.57		"	2.50		103	80-120			
Surrogate: 4-Bromofluorobenzene	2.59		p)	2.50		104	60-135			





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7G30002 - EPA 5030B P/T	LUFT GCMS									
Laboratory Control Sample (7G30002	2-BS2)			Prepared	& Analyzo	ed: 07/30/	07			
Gasoline Range Organics (C4-C12)	464	50	ug/l	500		93	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.50		"	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.50		"	2.50		100	75-120			
Surrogate: Toluene-d8	2.50		"	2.50		100	80-120			
Surrogate: 4-Bromofluorobenzene	2.50		"	2.50		100	60-135			
Laboratory Control Sample Dup (7G3	30002-BSD2)			Prepared	& Analyze	ed: 07/30/	07			
Gasoline Range Organics (C4-C12)	465	50	ug/l	500		93	65-120	0,1	20	
Surrogate: 1,2-Dichloroethane-d4	2,50		"	2.50		100	60-125			
Surrogate: Dibromofluoromethane	2.50		"	2.50		100	75-120			
Surrogate: Toluene-d8	2.50		"	2.50		100	80-120			
Surrogate: 4-Bromofluorobenzene	2,50		"	2.50		100	60-135			



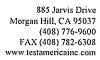


Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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 7G26048 - EPA 5030B P/T	/ EPA 8260B									
Blank (7G26048-BLK1)				Prepared	& Analyze	ed: 07/26/	07			
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	н							
tert-Butyl alcohol	ND	20	ø							
Di-isopropyl ether	ND	0.50	o							
1,2-Dibromoethane (EDB)	ND	0.50	D							
1,2-Dichloroethane	ND	0.50	Ħ							
Ethanol	ND	300	þi							
Ethyl tert-butyl ether	ND	0.50	11							
Ethylbenzene	ND	0.50	11							
Methyl tert-butyl ether	ND≅	0.50	ti .							
Toluene	ND	0.50	U							
Xylenes (total)	ND	0.50	U							
Surrogate: Dibromofluoromethane	2.42		"	2.50		97	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.33		"	2,50		93	60-125			
Surrogate: Toluene-d8	2.46		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.14		"	2.50		86	60-135			
Laboratory Control Sample (7G26048	B-BS1)			Prepared a	& Analyze	d: 07/26/0)7			
tert-Amyl methyl ether	8.47	0.50	ug/l	10.0		85	65-135			
Benzene	8.73	0.50	11	10.0		87	75-120			
tert-Butyl alcohol	161	20	0	200		81	60-135			
Di-isopropyl ether	8.95	0.50	†I	10.0		90	70-130			
1,2-Dibromoethane (EDB)	8.92	0.50	U	10.0		89	80-135			
1,2-Dichloroethane	8.09	0.50	U	10.0		81	70-125			
Ethanol	180	300	D	200		90	15-150			
Ethyl tert-butyl ether	8.89	0.50	H	0,01		89	65-130			
Ethylbenzene	9.11	0.50	н	10.0		91	75-120			
Methyl tert-butyl ether	8.50	0.50	п	10.0		85	50-140			
Toluene	8.70	0.50	σ	10.0		87	75-120			
Xylenes (total)	27.2	0.50	0	30.0		91	75-130			
Surrogate: Dibromofluoromethane	2.44		"	2.50		98	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.38		"	2.50		95	60-125			
Surrogate: Toluene-d8	2.49		"	2.50		100	80-120			
Surrogate: 4-Bromofluorobenzene	2.41		"	2.50		96	60-135			





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 7G26048 - EPA 5030B P/T / E	PA 8260B									
Matrix Spike (7G26048-MS1)	Source: MC	QG0684-06		Prepared of	& Analyze	ed: 07/26/	07			
ert-Amyl methyl ether	9.68	0.50	ug/l	10.0	ND	97	65-135			
Benzene	9.54	0.50	U	10.0	ND	95	75-120			
tert-Butyl alcohol	177	20	11	200	ND	89	60-135			
Di-isopropyl ether	9.89	0.50	If	10.0	ND	99	70-130			
1,2-Dibromoethane (EDB)	9.32	0.50	н	10.0	ND	93	80-135			
1,2-Dichloroethane	8.80	0.50	и	10.0	ND	88	70-125			
Ethanol	209	300	н	200	ND	105	15-150			
Ethyl tert-butyl ether	10.2	0.50	н	10.0	ND	102	65-130			
Ethylbenzene	9.93	0.50	†I	10.0	ND	99	75-120			
Methyl tert-butyl ether	10.2 ⁴	0.50	ţ1	10.0	ND	102	50-140			
Toluene	9.56	0.50	0	10.0	ND	96	75-120			
Xylenes (total)	29.2	0.50	u	30.0	ND	97	75-130			
Surrogate: Dibromofluoromethane	2.51		n	2.50		100	75-120			******
Surrogate: 1,2-Dichloroethane-d4	2.36		"	2.50		94	60-125			
Surrogate: Toluene-d8	2.44		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.39		"	2.50		96	60-135			
Matrix Spike Dup (7G26048-MSD1)	Source: MC	QG0684-06		Prepared of	& Analyze	d: 07/26/0	07			
ert-Amyl methyl ether	9.78	0.50	ug/l	10.0	ND	98	65-135	1	25	
Benzene	10.2	0.50	н	10.0	ND	102	75-120	6	20	
ert-Butyl alcohol	191	20	н	200	ND	95	60-135	7	25	
Di-isopropyl ether	10.3	0.50	11	10.0	ND	103	70-130	4	25	
1,2-Dibromoethane (EDB)	10.1	0.50	tı	10.0	ND	101	80-135	8	30	
1,2-Dichloroethane	9.41	0.50		10.0	ND	94	70-125	7	25	
Ethanol	213	300	U	200	ND	106	15-150	2	25	
Ethyl tert-butyl ether	10.0	0.50	Ħ	10.0	ND	100	65-130	2	25	
Ethylbenzene	10.6	0.50	11	10.0	ND	106	75-120	6	20	
Methyl tert-butyl ether	9.48	0.50	н	10.0	ND	95	50-140	7	25	
Foluene Foluene	10.0	0.50	p	10.0	ND	100	75-120	5	25	
Xylenes (total)	31.0	0.50	'n	30.0	ND	103	75-130	6	20	
Surrogate: Dibromofluoromethane	2.56		11	2.50		102	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.40		rr	2.50		96	60-125			
Surrogate: Toluene-d8	2.50		11	2.50		100	80-120			
Surrogate: 4-Bromofluorobenzene	2.46		"	2.50		98	60-135			





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

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 7G30002 - EPA 5030B P/T										
Blank (7G30002-BLK1)				Prepared	& Analyze	ed: 07/30/0)7			
tert-Amyl methyl ether	ND	0.50	ug/l		· · · · · · · · · · · · · · · · · · ·					
Benzene	ND	0.50	łi .							
tert-Butyl alcohol	ND	20	10							
Di-isopropyl ether	ND	0.50	U							
1,2-Dibromoethane (EDB)	ND	0.50	0							
1,2-Dichloroethane	ND	0.50	(t							
Ethanol	ND	300	tr.							
Ethyl tert-butyl ether	ND	0.50	D							
Ethylbenzene	ND	0.50	f+							
Methyl tert-butyl ether	ND ¹⁵	0.50	N							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	н							
Surrogate: Dibromofluoromethane	2.55		ı,	2.50		102	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.49		v	2.50		100	60-125			
Surrogate: Toluene-d8	2.57		v	2.50		103	80-120			
Surrogate: 4-Bromofluorobenzene	2.59		"	2.50		104	60-135			
Laboratory Control Sample (7G30002	2-BS1)			Prepared o	& Analyze	d: 07/30/0)7			
tert-Amyl methyl ether	10.6	0,50	ug/l	10.0		106	65-135			
Benzene	10.4	0.50	**	0.01		104	75-120			
tert-Butyl alcohol	188	20	n	200		94	60-135			
Di-isopropyl ether	10.6	0.50	н	0.01		106	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	n	0.01		101	80-135			
1,2-Dichloroethane	9.54	0.50	н	10.0		95	70-125			
Ethanol	192	300	Ħ	200		96	15-150			
Ethyl tert-butyl ether	10.6	0.50	Ħ	10.0		106	65-130			
Ethylbenzene	11.3	0.50	0	10.0		113	75-120			
Methyl tert-butyl ether	10,0	0.50	11	10.0		100	50-140			
Toluene	10.7	0.50	ø	10.0		107	75-120			
Xylenes (total)	33.6	0.50	o o	30.0		112	75-130			
Surrogate: Dibromofluoromethane	2.52		и	2.50		101	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.32		"	2.50		93	60-125			
Surrogate: Toluene-d8	2.59		n	2.50		104	80-120			
Surrogate: 4-Bromofluorobenzene	2.69		n	2.50		108	60-135			





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

RPD

%REC

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

Reporting

		Reporting		ъріке	Source		%REC		KPD	
Analyte	Result	Limít	Units	Level	Result	%REC	Limits	RPD	Limit	Note
Batch 7G30002 - EPA 5030B P/T / E	EPA 8260B									
Matrix Spike (7G30002-MS1)	Source: M	QG0970-03		Prepared	& Analyzo	ed: 07/30/	07			
tert-Amyl methyl ether	8.64	0.50	ug/l	10.0	ND	86	65-135			
Benzene	10.0	0.50	Ħ	10.0	ND	100	75-120			
tert-Butyl alcohol	184	20	н	200	ND	92	60-135			
Di-isopropyl ether	9.19	0.50	н	10.0	ND	92	70-130			
1,2-Dibromoethane (EDB)	8.75	0.50	н	10.0	ND	88	80-135			
1,2-Dichloroethane	8.55	0.50	U	10.0	ND	86	70-125			
Ethanol	249	300	"	200	ND	125	15-150			
Ethyl tert-butyl ether	8.72	0.50	0	10.0	ND	87	65-130			
Ethylbenzene	10.7	0.50	IP	10.0	ND	107	75-120			
Methyl tert-butyl ether	8.47	0.50	It	10.0	ND	85	50-140			
Toluene	10.5	0.50	11	10.0	0.500	100	75-120			
Xylenes (total)	31.7	0.50	И	30.0	ND	106	75-130			
Surrogate: Dibromofluoromethane	2.39		"	2.50		96	75-120		***************************************	
Surrogate: 1,2-Dichloroethane-d4	2.24		"	2.50		90	60-125			
Surrogate: Toluene-d8	2.46		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.38		"	2.50		95	60-135			
Matrix Spike Dup (7G30002-MSD1)	Source: M	QG0970-03		Prepared a	& Analyze	ed: 07/30/	07			
ert-Amyl methyl ether	8.65	0.50	ug/l	10.0	ND	86	65-135	0.1	25	
Benzene	10.2	0.50	H	10.0	ND	102	75-120	1	20	
ert-Butyl alcohol	186	20	Ħ	200	ND	93	60-135	1	25	
Di-isopropyl ether	8.94	0.50	ŧı	10.0	ND	89	70-130	3	25	
I,2-Dibromoethane (EDB)	8.84	0.50	U	10.0	ND	88	80-135	1	30	
1,2-Dichloroethane	8.70	0.50	U	10.0	ND	87	70-125	2	25	
Ethanol	255	300	U	200	ND	128	15-150	2	25	
Ethyl tert-butyl ether	8.66	0.50	D	10.0	ND	87	65-130	0.7	25	
Ethylbenzene	11.0	0.50	#	10.0	ND	110	75-120	2	20	
Methyl tert-butyl ether	8.35	0.50	Ħ	10.0	ND	84	50-140	1	25	
Гoluene	10.3	0.50	н	10.0	0.500	98	75-120	2	25	
Xylenes (total)	32.1	0.50	н	30.0	ND	107	75-130	ı	20	
Surrogate: Dibromofluoromethane	2.33		H	2.50		93	75-120			
Surrogate: 1,2-Dichloroethane-d4	2.16		11	2.50		86	60-125			
Surrogate: Toluene-d8	2.43		"	2.50		97	80-120			
Surrogate: 4-Bromofluorobenzene	2,47		v	2.50		99	60-135			





Project: ARCO #0771, Livermore, CA

Project Number: G0C1M-0020 Project Manager: Jay Johnson MQG0684 Reported: 08/03/07 13:55

Notes and Definitions

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

Page	1	of	1

Atlantic	
Atlantic Richfield	Stroigeza
Company	

A BP affiliated company

Chain of Custody Record

Project Name:

ARCO 771

BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > Alameda > 771

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

STD- TAT

On-site Time: 04	50	Temp: 60 ⁻⁵	
Off-site Time: 091	90	Temp: アロダ	
llas a	KENE CASS T		
Meteorological Events:			
Wind Speed:	~	Direction: -	

Lao Nane, TestAntenes	-	BP/AK Facility No.			T_{i}	/1							Consu	ltant/C	contra	ctor:	S	tratus Environment	al, Inc.	
Address: 885 Jarvis Drive	╬	BP/AR Facility Add	ress	:		899	Rincon	Ave.,	, Liv	ermoi	re		Addre	ss;	333	0 Car	neror	n Park Drive, Sui	te 550	
Morgan Hill, CA 95937	╨	Site Lat/Long:													Car	neron	Park	, CA 95682		
Lab PM: Lisa Race	#_	California Global II) No			0010							Const	ltant/C						
Tele/Fax: 408-782-8156 408-782-6308 (fax)	╙	Enfos Project No.:				'1M-	0020						Consu	ltant/C	ontrac	ctor Pl	VI:	Jay John	son	
BP/AR PM Contact: Paul Supple		Provision or OOC	(circl	le one)		Provisio	on					Tele/F	ax:	(530	0) 676	5-600	0 / (530) 676-60)5	
Address: 2010 Crow Canyon Place, Suite 150	╨	Phase/WBS:		04-N	lonit	oring							Repor	Туре	& QC	Leve	i:	Level 1 v	vith EDF	
San Ramon, CA		Sub Phase/Task:		03-A		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,			-							stratusinc.net		
Tele/Fax: 925-275-3506		Cost Element:		01-C	ontra	actor	labor						Invoic		tlanti	c Rich	field (Co.		
Lab Bottle Order No: Matrix	X			<u> </u>	P	reser	vative		p.	<u>. 0</u> y	821	D Reque	sted An	alysis						
Item No. Sample Description Time Soil/Solid Water/Liquid		Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO3	HCI Methanol		GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	DRO						ments cy =	
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Sampler's Name: Davio Demello		Relingu		By/	Affil	iation	<u>!</u> ,		Ī	ate	İ	Time			Accen	ted Rs		iliation	Date	Time
Sampler's Company: Stratus Environmental	\neg	David Oct	ke	els	/s	it n	tus		7.5	8-07	1	30	16		<u> </u>			nerice	7/18/	
Shipment Date: D7-19-0**		Call	7,4				men	ce	7/	80		600	T X		-	Tys	-0/8	werecy		/b00
Shipment Method: In Penson / Stradus		X) hu	7	11					2/	18		930	774	dul	1110	elle	73 173.co	TANH	7/18/07	1930
Shipment Tracking No:			·											16	<i>//</i>	~~~	دهجي	1711001	1,440	100
Special Instructions: Please cc results to rmiller	r@b	roadbentine com																	4 144	
Custody Seals In Place: Yes / No Temp Blank Yes / No Cooler Temp on Receipt: 2.4 °F.O Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No																				

TEST AMERICA SAMPLE RECEIPT LOG

hold time? 11. Adequate sample volume received? 12. Proper preservatives used? (*e) / No* 13. Trif Blank / Temp Blank Received? (circle which, if yes) 14. Read Temp: Corrected Temp: Is corrected temp 4 +/-2°C? (*es) / No** (Acceptance range for samples requiring thermal pres.)	' CLIENT NAME: REC. BY (PRINT) WORKORDER:	Arco 771 A.M. MQG0684		DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:	7/18/0	7 1930		er energia		atory Purposes? WATER YES / NO ATER YES / NO
1. Custody Seal(s) Present / Absent Intact / Broken* 2. Chain-of-Custody Present / Absent* 3. Traffic Reports or Packing List: Present / Absent 4. Airbill: Airbill / Slicker Present / Absent 5. Airbill # Airbill / Absent 7. Sample IDs: Listed / Not Listed on Chain-of-Custody 8. Sample Condition: Intact / Broken* / Leaking* 9. Does information on chain-of-custody, traffic reports and sample labels agree? (eg / No* 10. Sample received within hold time? (eg / No* 11. Adequate sample volume received? (eite which, Ilve) (Feg) / No* 12. Proper preservatives used? (Fe) / No* 13. Triffic Blank / Terrift Blank Received? (eite which, Ilve) (Feg) / No* 14. Read Temp: 2,4 **C Corrected Temp: 2,4 *		OPRIATE RESPONSE		CLIENT ID			рН	1	1	
2. Chain-of-Custody Preent / Absent* 3. Traffic Reports or Packing List: Present / Absent P	Custody Seal(s)	Present / Absent								
3. Traffic Reports or Packing List: Present / AGSInt 4. Airbill: Airbill / Sticker Present / AGSInt 5. Airbill #: 6. Sample Labels: Present / AGSInt 7. Sample IDs: Listed / Not Listed on Chain-of-Custody 8. Sample Condition: Irrelat / Broken* / Leaking* 9. Does information on chain-of-custody, traffic reports and sample labels agree? (e) / No* 10. Sample received within hold time? (e) / No* 11. Adequate sample volume received? (e) / No* 12. Proper preservatives used? (e) / No* 13. Tri@ Blank / Terr@ Blank Received? (cicke which, if yes) (fe) / No* 14. Read Temp: 2, 4 *C Corrected Temp: V Is corrected temp 4 * /-2*C7 (e) / No* Is corrected temp 4 * /-2*C7 (e) / No* Is corrected temp 4 * /-2*C7 (e) / No* Is corrected temp 4 * /-2*C7 (e) / No* Is corrected temp 4 * /-2*C7 (e) / No* Is corrected temp 6 resembles requiring thermal pres.)										
Packing List: Present / Assent 4. Airbill: Airbill / Slicker Present / Assent 5. Airbill #: 6. Sample Labels: Present / Absent 7. Sample labels: Present / Absent 9. Does information on chain-of-custody, traffic reports and sample labels agree? 10. Sample received within hold time? (e) / No* 11. Adequate sample volume received? 12. Proper preservatives used? (e) / No* 13. Tric Blank / Temp Blank Received? (eich which, if yes) (Pe) / No* 14. Read Temp: 9. 41°c Corrected Temp: 9. 41°c Corrected Temp: 9. 41°c Corrected Temp: 9. 41°c Corrected temp 4 +/-2°C? (e) / No* 14. Read Temp: 9. 41°c Corrected temp 4 +/-2°C? (e) / No* 15. Corrected temp 4 +/-2°C? (e) / No* 16. Corrected temp 4 +/-2°C? (e) / No* 17. Corrected temp 4 +/-2°C? (e) / No* 18. Corrected temp 4 +/-2°C? (e) / No* 19. Corrected		Present / Absent*								
4. Airbill: Airbill / Sticker Present / Aisent 5. Airbill / E. 8. Sample Labels: Present / Absent 7. Sample IDs: Listed / Not Listed on Chain-of-Custody 8. Sample Condition: Iright / Broken* / Leaking* 9. Does information on chain-of-custody, traffic reports and sample labels agree? Qs / No* 10. Sample received within hold time? 11. Adequate sample volume received? 12. Proper preservatives used? (Qs / No* 13. Trighank / Terrighank Received? (circle which, if yes) (Pe) / No* 14. Read Temp: Corrected Temp: Use / No* 15. Corrected Temp: Use / No* 16. Acceptance reinge for semples requiring thermal pres.)	3. Traffic Reports or									
Present / Agent 5. Airbill #: 8. Sample Labels: Present / Absent 7. Sample IDs: Littled / Not Listed on Chain-of-Custody 8. Sample Condition: Irteat / Broken* / Leaking* 9. Does information on chain-of-custody, traffic reports and sample labels agree? (a) / No* 10. Sample received within hold time? 11. Adequate sample volume received? 12. Proper preservatives used? (a) / No* 13. Trift plank / Temp blank Received? (circle which, if yes) (b) / No* 14. Read Temp: 2, 4 / C. Corrected Temp: 2, 4 / C. Corrected Temp: 1 / Sep / No* 15. corrected temp 4 * 1-2**C7 (e) / No** (Acceptance range for semples requiring themsel pres.)		Present / Absent		**						
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Acceptance range for samples requiring thermal pres.)		<u> </u>								
	_									
*Exception (if any): METALS / DEF ON ICE			A							
		TALS / DFF ON ICE								- Land
or Problem COC					· · · · ·					72

SRL Revision 8
Replaces Rev 7 (07/19/05)
Floction 00/13/08

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

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION

18

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

Facility Global ID:

T0600100113

Facility Name:

ARCO #00771

Submittal Date/Time:

9/19/2007 11:45:08 AM

Confirmation Number:

7321185052

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: 7041110932

Date/Time of Submittal: 9/19/2007 11:39:52 AM

Facility Global ID: T0600100113

Facility Name: ARCO #00771

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

Click here to view the detections report for this upload.

ARCO #00771

899 RINCON

LIVERMORE, CA 94550

Regional Board - Case #: 01-0121

SAN FRANCISCO BAY RWQCB (REGION 2)

Local Agency (lead agency) - Case #: RO0000200

ALAMEDA COUNTY LOP - (SP)

 CONF #
 TITLE
 QUARTER

 7041110932
 3Q07 GW Monitoring
 Q3 2007

SUBMITTED BY SUBMIT DATE STATUS
Broadbent & Associates, Inc. 9/19/2007 PENDING REVIEW

SAMPLE DETECTIONS REPORT

FIELD POINTS SAMPLED 8
FIELD POINTS WITH DETECTIONS 4
FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL 4
SAMPLE MATRIX TYPES WATER

METHOD QA/QC REPORT

METHODS USED 8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES? Y
LAB NOTE DATA QUALIFIERS N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS 0 METHOD HOLDING TIME VIOLATIONS 0 LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT 0 LAB BLANK DETECTIONS 0 DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? - LAB METHOD BLANK - MATRIX SPIKE Ν - MATRIX SPIKE DUPLICATE Ν - BLANK SPIKE Υ - SURROGATE SPIKE

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115% Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

SOIL SAMPLES FOR 8021/8260 SERIES MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a **FIELD QC SAMPLES** SAMPLE COLLECTED DETECTIONS > REPDL QCTB SAMPLES Ν 0 QCEB SAMPLES N 0 QCAB SAMPLES Ν 0

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.