



October 15, 2004

Mr. Jeff Carson
 Oro Loma Sanitary District
 2600 Grant Avenue
 San Lorenzo, CA 94580

Alameda County
 OCT 19 2004
 Environmental Health

Re: Monthly Discharge Report – September 2004
Discharge Permit #SDP-037
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California

Dear Mr. Carson:

On behalf of Atlantic Richfield Company (BP affiliated company), URS Corporation (URS) is operating a groundwater extraction and treatment (GWET) system at the site referenced above. This letter transmits GWET system operational data for the period from August 26, 2004 through September 16, 2004 (Tables 1 and 2). Operational parameters are summarized below.

<i>Treatment System Status:</i>	<i>Operational through 9/16/04</i>
<i>Reporting Period:</i>	<i>08/26/04 to 09/16/04</i>
<i>Period Volume Discharged:</i>	<i>29,181 gallons</i>
<i>Effluent pH Reading:</i>	<i>7.21</i>
<i>Average Period Flow Rate:</i>	<i>0.97 gpm</i>
<i>Analytical Report:</i>	<i>Attachment A</i>
<i>O & M Field Information:</i>	<i>Attachment B</i>

DISCUSSION:

Monthly compliance samples were collected on September 16, 2004, and analyzed for gasoline range organics (GRO), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and fuel additives by EPA Method 8260B. Methyl tert Butyl Ether (MTBE) was detected above the laboratory reporting limit in the influent sample (INF) and the sample collected between the primary and secondary carbon vessels (MID-1) at concentrations of 18 µg/L and 2.1 µg/L, respectively. No other constituents were detected above the laboratory reporting limits.

The GWET system was offline from September 16, 2004 to October 7, 2004 due to a pump malfunction. Upon returning to the site on October 7, 2004, however, the URS technician was able to get the pump restarted and the system is currently operational.

URS Corporation
 1333 Broadway, Suite 800
 Oakland, CA 94612-1924
 Tel: 510.893.3600
 Fax: 510.874.3268



If you have any questions regarding this project or require further information, please do not hesitate to call me at 510-874-3088.

Sincerely,

URS CORPORATION

Michael Greenberg
Staff Engineer

Scott Robinson
Project Manager

- Attachments: Table 1 - Treatment System Metered Volume
Table 2 - Treatment System Analytical Data
Attachment A - Certified Analytical Report and Chain-of-Custody
Documentation, September 16, 2004
Attachment B - Operation and Maintenance Field Logs

- cc: Mr. Paul Supple, Atlantic Richfield Company (RM), (electronic copy submitted to ENFOS)
Mr. John Kaiser, Regional Water Quality Control Board - San Francisco Bay Region, 1515
Clay Street, Suite 1400, Oakland, CA 94612
Mr. Robert Shultz, Alameda County Environmental Health, 1131 Harbor Bay
Parkway, Alameda, CA 94502

Table 1
Treatment System Metered Volume
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Meter Reading Date	Hour Meter Reading (hours)	Total (hours)	System Downtime ^(a) (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
06/05/00	a 29,593		97	979,800	3,200	3,200	2.1
06/19/00	29,896		10	1,052,390	72,590	75,790	4.0
06/28/00	30,062		23	1,082,340	29,950	105,740	3.0
07/08/00	30,352		0	1,131,560	49,220	154,960	2.8
07/26/00	30,749		8	1,196,420	64,860	219,820	2.7
08/07/00	30,955		28	1,228,020	31,600	251,420	2.6
08/29/00	31,309		33	1,276,650	48,630	300,050	2.3
09/08/00	31,528		9	1,306,300	29,650	329,700	2.3
09/28/00	32,011		0	1,368,410	62,110	391,810	2.1
10/28/00	32,638		13	1,444,183	75,773	467,583	2.0
11/30/00	33,399		4	1,534,960	90,777	558,360	2.0
12/28/00	33,761		46	1,576,520	41,560	599,920	1.9
01/04/01	33,924		3	1,595,340	18,820	618,740	1.9
02/06/01	34,556		20	1,672,330	76,990	695,730	2.0
03/08/01	34,776		70	1,698,860	26,530	722,260	2.0
03/24/01	35,088		19	1,741,170	42,310	764,570	2.3
04/05/01	35,310		23	1,767,530	26,360	790,930	2.0
04/18/01	35,335		92	1,770,860	3,330	794,260	2.3
05/04/01	35,716		1	1,812,690	41,830	836,090	1.8
06/09/01	36,345		27	1,879,710	67,020	903,110	1.8
07/05/01	b 36,469		80	1,897,180	17,470	920,580	2.3
07/28/01	36,821		36	1,928,250	31,070	951,650	1.5
08/14/01	c 36,822		100	1,928,510	260	951,910	5.4
09/05/01	37,219		25	1,977,050	48,540	1,000,450	2.0
10/05/01	37,932		1	2,040,950	63,900	1,064,350	1.5
11/13/01	38,820		5	2,119,670	78,720	1,143,070	1.5
12/11/01	39,496		0	2,186,530	66,860	1,209,930	1.6
01/04/02	40,063		2	2,248,700	62,170	1,272,100	1.8
01/31/02	40,716		0	2,321,310	72,610	1,344,710	1.9
02/05/02	40,830		5	2,333,090	11,780	1,356,490	1.7
02/25/02	40,831		100	2,333,270	180	1,356,670	1.7
03/05/02	40,968		29	2,353,460	20,190	1,376,860	2.5
04/08/02	41,735		6	2,448,360	94,900	1,471,760	2.1
05/04/02	42,362		0	2,487,090	38,730	1,510,490	1.0
05/31/02	d 42,832		27	2,503,380	16,290	1,526,780	0.6
08/19/02	44,925		0	2,520,289	16,909	1,543,689	0.1
10/03/02	e 44,956		97	2,520,582	293	1,543,982	N/A
10/07/02	e 44,956		100	2,522,394	1,812	1,545,794	N/A
10/24/02	e 44,956		100	2,527,898	5,504	1,551,298	N/A
11/07/02	f 0	44,956	-	2,527,925	27	1,551,325	N/A
11/21/02	336	45,292	0	2,527,945	20	1,551,345	0.00
12/05/02	479	g 45,435	58	2,528,113	168	1,551,513	0.02
12/18/02	788	g 45,744	1	2,555,895	27,782	1,579,295	1.50
01/03/02	1,174	g 46,130	100	2,591,359	35,464	1,614,759	1.53

Table 1
Treatment System Metered Volume
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Meter Reading Date	Hour Meter Reading (hours)	Total (hours)	System Downtime ^(*) (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
01/16/03	1,486 g	46,442	97	2,625,812	34,453	1,649,212	1.84
02/13/03	2,156 g	47,112	0	2,692,710	66,898	1,716,110	1.67
03/13/03	2,832	47,788	0	2,758,948	66,238	1,782,348	1.63
03/27/03	3,165	48,121	1	2,790,668	31,720	1,814,068	1.58
04/10/03	3,500	48,456	0	2,828,060	37,392	1,851,460	1.86
04/24/03	3,837	48,793	0	2,865,050	36,990	1,888,450	1.83
05/08/03	4,172	49,128	0	2,900,937	35,887	1,924,337	1.79
05/22/03	4,459 h	49,415	14	2,931,190	30,253	1,954,590	1.75
05/30/03	4,459 i	49,415	100	2,931,190	0	1,954,590	0.00
06/05/03	4,606	49,562	0	2,946,180	14,990	1,969,580	1.69
06/19/03	4,940	49,896	1	2,971,985	25,805	1,995,385	1.29
07/11/03	4,940	49,896	100	2,971,985	0	1,995,385	0.00
07/24/03	5,331	50,287	0	2,972,362	377	1,995,762	0.02
08/14/03	5,831	50,787	1	3,013,517	41,532	2,036,917	0.78
08/28/03	6,165	51,121	1	3,040,900	27,383	2,064,300	1.37
09/11/03	6,503	51,459	0	3,067,641	26,741	2,091,041	1.32
09/25/03	6,838	51,794	0	3,095,020	27,379	2,118,420	1.36
10/09/03	7,176	52,132	0	3,122,624	81,724	2,146,024	1.35
10/23/03	7,512	52,468	0	3,149,200	26,576	2,172,600	1.32
11/06/03	NA i	NA	NA	NA	NA	NA	NA
11/20/03	8,182	53,138	0	3,204,612	55,412	2,228,012	1.38
12/04/03	8,518	53,474	0	3,233,956	29,344	2,201,944	0.49
12/18/03	8,851	53,807	1	3,264,487	30,531	2,232,475	1.53
01/08/04	9,356	54,312	0	3,312,485	47,998	2,276,010	1.58
01/22/04	9,690	54,646	1	3,344,994	32,509	2,308,519	1.62
02/05/04	10,026	54,982	0	3,377,510	32,516	2,341,035	1.61
02/19/04	10,357	55,313	2	3,410,457	32,947	2,373,982	1.66
03/04/04	10,695	55,651	0	3,446,501	36,044	2,410,026	1.77
03/18/04	11,030	55,986	0	3,480,890	34,389	2,444,415	1.71
04/07/04	11,509	56,465	0	3,524,179	43,289	2,487,704	1.51
04/22/04	11,869	56,825	0	3,552,144	27,965	2,515,669	1.30
05/06/04	12,206	57,162	0	3,579,927	27,783	2,543,452	1.37
05/19/04	12,522	57,478	0	3,607,015	27,088	2,570,540	1.43
06/02/04	12,853	57,809	1	3,635,580	28,565	2,599,105	1.44
06/16/04	13,198	58,154	0	3,664,594	29,014	2,628,119	1.40
07/08/04	13,715	58,671	2	3,708,440	43,846	2,671,965	1.41
07/22/04	14,050	59,006	0	3,736,245	27,805	2,699,770	1.38
08/12/04	14,554	59,510	0	3,777,215	40,970	2,740,740	1.36
08/26/04	14,890	59,846	0	3,803,030	25,815	2,766,555	1.28
09/02/04	15,058	60,014	0	3,811,977	8,947	2,775,502	0.89
09/16/04	15,394	60,350	0	3,832,211	20,234	2,795,736	1.00
REPORTING PERIOD:						08/26/04 to 09/16/04	
PERIOD AVERAGE FLOW RATE (gpm):						0.97	
PERIOD VOLUME DISCHARGED (gallons):						29,181	

Table 1
Treatment System Metered Volume
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

gpm = Gallons per minute

N/A = Not available or not applicable

Initial 3-hour startup pumping period May 31, 2000

- a. System restarted 6/5/00 (previously ran 9/25/91 - 8/21/95)
- b. System down during construction to main sewer line starting 6/25/01.
- c. System restarted 8/14/01 following completion of construction work.
- d. Hour meter reading not recorded. Estimated hours using last 3 months average.
- e. Hour meter reading not functioning.
- f. Hour meter replaced.
- g. An error in the table has been corrected to show correct flow rate values.
- h. System was down upon arrival due to utility power outage.
- i. System restarted 5/30/03 after power restored to system.
- j. System was down upon arrival due pump overload. Pump was pulled for cleaning and inspection
- k. Downtime calculated by the following: $100 - [(Hours\ Running\ in\ Period) / ((Days\ in\ Reporting\ Period) * (24\ hours/day))]$
- l. Data from 11/6/03 site visit is unavailable.

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon)										
09/26/91	38	4.8	0.6	1.6	1.1	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	0.52	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	370	14	0.34	14	2.4	NS	NS	NS	NA	NA
03/17/92	160	18	0.32	0.56	1.6	NS	NS	NS	NA	NA
04/15/92	200	11	ND<0.3	7.3	0.77	NS	NS	NS	NA	NA
05/14/92	45	1.4	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	97	25	ND<0.5	8.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	96	7.7	13	0.56	9.7	NS	NS	NS	NA	NA
01/18/93	100	13	6.6	1.1	11	NS	NS	NS	NA	NA
02/22/93	480	36	29	4.9	96	NS	NS	NS	NA	NA
03/15/93	310	29	14	4.9	55	NS	NS	NS	NA	NA
04/09/93	140	11	2.8	2.6	17	NS	NS	NS	NA	NA
05/13/93	530	27	12	18	96	NS	NS	NS	NA	NA
06/04/93	170	5.2	1.6	2.5	23	NS	NS	NS	NA	NA
07/20/93	200	12	0.91	8.2	29	NS	NS	NS	NA	NA
08/16/93	150	4.9	0.63	2.9	15	NS	NS	NS	NA	NA
09/13/93	80	2.2	ND<0.5	ND<0.5	4.8	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	73	3.5	ND<0.5	1.9	8.4	NS	NS	NS	NA	NA
01/18/94	60	3.1	ND<0.5	3.2	4.3	NS	NS	NS	NA	NA
02/17/94	ND<50	2.5	ND<0.5	2.1	3.1	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	110	7.8	ND<1.0	9.6	ND<1.0	NS	NS	NS	NA	NA
05/13/94	230	8.3	ND<0.5	14	6	NS	NS	NS	NA	NA
06/14/94	230	12	ND<0.5	16	1.5	NS	NS	NS	NA	NA
07/14/94	270	6.9	ND<0.5	15	1.9	NS	NS	NS	NA	NA
08/18/94	ND<50	1.8	ND<0.5	1.5	ND<0.5	NS	NS	NS	NA	NA
09/12/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/05/94	ND<50	0.66	ND<0.5	2.6	ND<0.5	NS	NS	NS	NA	NA
12/05/94	470	32	0.59	29	6.2	NS	NS	NS	NA	NA
01/04/95	ND<50	1.1	ND<0.50	1.4	ND<0.50	NS	NS	NS	NA	NA
02/06/95	100	2.4	1.1	1.2	2.8	NS	NS	NS	NA	NA
03/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
04/04/95	290	6.6	ND<0.50	10	1.7	NS	NS	NS	NA	NA
05/02/95	240	7.1	ND<0.50	3.2	1.6	NS	NS	NS	NA	NA
06/05/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
07/06/95	270	2.4	ND<0.50	7.6	1	NS	NS	NS	NA	NA
08/21/95	230	1.8	ND<0.50	1.6	0.92	NS	NS	NS	NA	NA

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
INFL (influent to primary carbon) (cont.)										
06/05/00	700	7.24	ND<1.00	2.11	ND<1.00	361	NS	NS	NA	NA
07/08/00	133	5.09	0.598	ND<0.500	ND<0.500	272	NS	NS	NA	NA
08/10/00	144	2.8	ND<0.500	1.04	ND<0.500	126	NS	NS	NA	NA
09/08/00	261	2.74	0.826	0.626	ND<0.500	120	NS	NS	NA	NA
10/10/00	114	ND<0.500	1.68	0.843	ND<0.500	ND<2.50	NS	NS	NA	NA
11/07/00	128	ND<0.500	ND<0.500	ND<0.500	ND<0.500	98.6	NS	NS	NA	NA
12/05/00	167	0.775	ND<0.500	ND<0.500	ND<0.500	104	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	86.8	NS	NS	NA	NA
02/06/01	203	0.572	ND<0.500	0.513	ND<0.500	80.5	NS	NS	NA	NA
03/08/01	219	ND<0.500	6.16	1.21	0.682	81	NS	NS	NA	NA
04/18/01	74.5	ND<0.500	ND<0.500	ND<0.500	ND<0.500	97.5	NS	NS	NA	NA
05/04/01	63.3	ND<0.500	ND<0.500	ND<0.500	ND<0.500	93.2	NS	NS	NA	NA
06/09/01	64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
07/05/01	100	ND<0.50	2.5	ND<0.50	ND<0.50	430	NS	NS	NA	NA
08/14/01	290	2.2	3.5	ND<1.0	ND<1.0	870	NS	NS	NA	NA
09/05/01	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	340	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	92	NS	NS	NA	NA
12/11/01	65	ND<0.50	0.58	ND<0.50	ND<0.50	83	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	NS	NS	NA	NA
02/05/02	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	190	NS	NS	NA	NA
03/05/02	150	ND<1.2	ND<1.2	ND<1.2	ND<1.2	350	NS	NS	NA	NA
04/08/02	400	9.6	ND<1.0	1.4	ND<1.0	260	NS	NS	NA	NA
05/16/02	310	ND<1.0	ND<1.0	ND<1.0	ND<1.0	330	NS	NS	NA	NA
10/07/02	160	4.1	ND<1.0	ND<1.0	ND<1.0	130	NS	NS	NA	NA
11/07/02	250	ND<0.50	10	0.7	0.77	210	NS	NS	NA	NA
12/05/02	220	ND<1.0	ND<1.0	ND<1.0	ND<1.0	110	NS	NS	NA	NA
01/03/03	170	ND<1.0	ND<1.0	ND<1.0	ND<1.0	140	NS	NS	NA	NA
2/13/03'	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	66	NS	NS	NA	NA
3/27/03'	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
4/24/03'	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	56	NS	NS	NA	NA
5/30/03'	20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	NS	NS	NA	NA
06/19/03	160	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	NS	NS	NA	NA
07/24/03	51	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41 (47)*	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30 (40)*	NS	NS	NA	NA
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28	NS	NS	NA	NA
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28 (28)*	NS	NS	NA	NA
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	22	NS	NS	NA	NA
12/18/03	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	27	NS	NS	NA	NA
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	27	NS	NS	NA	NA
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	25	NS	NS	NA	NA
03/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	27	NS	NS	NA	NA
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	25	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	NS	NS	NA	NA
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	NS	NS	NA	NA
06/16/04	63	ND<0.50	ND<0.50	ND<0.50	ND<1.0	20	NS	NS	NA	NA
07/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	15	NS	NS	NA	NA
08/26/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	23	NS	NS	NA	NA
09/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	18	NS	NS	NA	NA

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (between primary and secondary carbons)										
09/26/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
08/18/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/15/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/16/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/18/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/17/92	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/18/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
02/22/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
03/15/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
04/09/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
05/13/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
06/04/93	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
07/14/94	ND	ND	ND	ND	ND	NS	NS	NS	NA	NA
08/17/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/12/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/18/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/05/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/05/94	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/04/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
02/06/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
03/02/95	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
07/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
08/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	NS	NS	NA	NA
09/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (cont.)										
10/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
11/07/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
12/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.3	NS	NS	NA	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9	NS	NS	NA	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	26	NS	NS	NA	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17	NS	NS	NA	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	39	NS	NS	NA	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	58	NS	NS	NA	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	55	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	100	NS	NS	NA	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	51	NS	NS	NA	NA
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	66	NS	NS	NA	NA
2/13/03'	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	NS	NS	NA	NA
3/27/03'	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	NS	NS	NA	NA
4/24/03'	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	NS	NS	NA	NA
5/30/03'	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	140	NS	NS	NA	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	NS	NS	NA	NA
07/24/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (1.3)'	NS	NS	NA	NA
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.1	NS	NS	NA	NA
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.2	NS	NS	NA	NA
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.3	NS	NS	NA	NA
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.2	NS	NS	NA	NA
03/18/04	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.4	NS	NS	NA	NA
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.5	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.3	NS	NS	NA	NA
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.0	NS	NS	NA	NA
06/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.8	NS	NS	NA	NA
07/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.6	NS	NS	NA	NA
08/26/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.2	NS	NS	NA	NA
09/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.1	NS	NS	NA	NA

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-2 (between secondary and tertiary carbons)										
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
07/08/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
09/08/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
10/10/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
11/07/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
12/05/00	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	NA	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.7	NS	NS	NA	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
2/13/03'	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1	NS	NS	NA	NA
3/27/03'	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.94	NS	NS	NA	NA
4/24/03'	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	NS	NS	NA	NA
5/30/03'	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	NS	NS	NA	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
07/24/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (<0.5)*	NS	NS	NA	NA
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
03/18/04	86	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
06/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
07/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
08/26/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
09/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/22/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/09/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/04/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/20/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/16/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (cont.)										
09/12/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/05/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/05/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/04/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
02/06/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
03/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
04/04/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
05/02/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
06/05/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
07/06/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
08/21/95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NS	NS	NS	NA	NA
06/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	NS	NS	7.19	NA
06/12/00	ND<50.0	NS	NS	NS	NS	NS	NS	NS	NA	NA
07/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	32.1	ND<10.0	7.08	NA
08/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<5.00	23.4	ND<10.0	6.67	NA
09/08/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	29.2	ND<10.0	6.82	NA
10/10/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.25	NA
11/07/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.24	NA
12/05/00	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	44	ND<10.0	7.48	NA
01/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.00	NA
02/06/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	10.7	7.03	NA
03/08/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.04	NA
04/18/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	28.5	ND<10.0	7.06	NA
05/04/01	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	ND<20.0	ND<10.0	7.31	NA
06/09/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	34	ND<10	7.05	NA
07/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.10	NA
08/14/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	14	7.09	NA
09/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	70	ND<10	7.07	NA
10/05/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	55	ND<10	6.89	NA
11/13/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	150	ND<10	6.98	NA
12/11/01	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	34	ND<10	7.01	NA
01/04/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	52	ND<10	7.22	NA
02/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.91	NA
03/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.77	NA
04/08/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.52	NA
05/16/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.60	NA
10/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	NS	NS	NA	NA
11/07/02	ND<50	ND<0.50	ND<0.50	ND<0.50	0.74	ND<2.5	ND<30	ND<10	7.80	NA
12/05/02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<30	ND<10	7.40	0.27
01/03/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<30	ND<10	7.50	NA
2/13/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	7.15	0.12
3/27/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	32	ND<10	7.50	0.08
4/24/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	6.95	10.23
5/30/03*	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<30	ND<10	6.95	NA
06/19/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.02	9.75
07/24/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.07	3.00
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	7.03	2.12

Table 2
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (cont.)										
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.79	2.70
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (<0.5)*	ND<20	ND<10	6.82	3.45
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<10	6.94	0.84
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.01	0.94
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.12	0.85
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	10	6.57	3.82
03/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.08	0.97
04/07/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
04/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	27	ND<10	6.69	1.64
05/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	20	13	6.50	1.40
06/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	6.79	0.75
07/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	6.81	1.09
08/26/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	19	7.20	1.20
09/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<10	7.20	1.20

COD =Chemical oxygen demand, analyzed using EPA Method 410.4
 DO =Dissolved Oxygen, field measurement
 µg/L =Micrograms per liter
 mg/L =Milligrams per liter
 MtBE =Methyl tert Butyl Ether, analyzed using EPA Method 8015B/8021B
 NA =Not applicable or not available
 ND< =Not detected above the laboratory reporting limit.
 NS =Not sampled
 TPH-g =Total purgeable petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015B/8021B
 GRO =Gasoline Range Organics, analyzed using EPA Method 8260B
 TSS =Total suspended solids, analyzed using EPA Method 160.2

Notes:

1. Analyzed with EPA Method 8260
2. MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).
3. GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.
4. The data within this table collected prior to May 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.
5. Beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

ATTACHMENT A

**CERTIFIED ANALYTICAL REPORT
AND CHAIN-OF-CUSTODY DOCUMENTATION**

URS-Oakland, CA

October 06, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486707.0L041

Project: BP Facility No: 608

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Attached is our report for your samples received on 09/22/2004 18:15

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

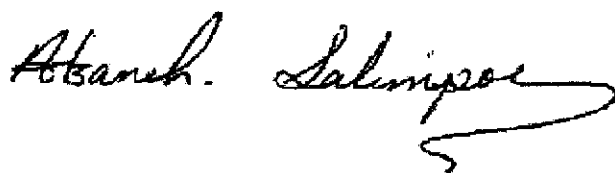
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 11/06/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

URS-Oakland, CA

October 06, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486707.0L041

Project: BP Facility No: 608

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Wednesday, September 22, 2004 6:15 PM.

Analysis Comments and Flags by QC Batch

Total Suspended Solids	Water	QC Batch#: 2004/09/24-01.29
-------------------------------	--------------	------------------------------------

EFFL

2004090700 004

Analysis Flag(s)

HT Extracted out of holding time

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	09/16/2004 09:00	Water	4

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s): 160.2	Test(s): 160.2
Sample ID: EFFL	Lab ID: 2004-09-0700 - 4
Sampled: 09/16/2004 09:00	Extracted: 9/24/2004 11:39
Matrix: Water	QC Batch#: 2004/09/24-01.29
Analysis Flag: HT (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	09/27/2004 09:29	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Method Blank

MB: 2004/09/24-01.29-001

Water

Test(s): 160.2

QC Batch # 2004/09/24-01.29

Date Extracted: 09/24/2004 11:39

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	09/27/2004 09:28	

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike

Water

QC Batch # 2004/09/24-01.29

LCS 2004/09/24-01.29-002

Extracted: 09/24/2004

Analyzed: 09/27/2004 09:28

LCSD 2004/09/24-01.29-003

Extracted: 09/24/2004

Analyzed: 09/27/2004 09:27

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
TSS	883	951	1000	88.3	95.1	7.4	80-120	20		

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

09/27/2004 10:11

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Legend and Notes

Analysis Flag

HT

Extracted out of holding time

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041
BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	09/16/2004 09:20	Water	1
MID-1	09/16/2004 09:15	Water	2
MID-2	09/16/2004 09:10	Water	3
EFFL	09/16/2004 09:00	Water	4

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041
BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-09-0700 - 1
Sampled:	09/16/2004 09:20	Extracted:	9/30/2004 02:43
Matrix:	Water	QC Batch#:	2004/09/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/30/2004 02:43	
Benzene	ND	0.50	ug/L	1.00	09/30/2004 02:43	
Toluene	ND	0.50	ug/L	1.00	09/30/2004 02:43	
Ethylbenzene	ND	0.50	ug/L	1.00	09/30/2004 02:43	
Total xylenes	ND	1.0	ug/L	1.00	09/30/2004 02:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/30/2004 02:43	
Methyl tert-butyl ether (MTBE)	18	0.50	ug/L	1.00	09/30/2004 02:43	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/30/2004 02:43	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/30/2004 02:43	
tert-Amyl methyl ether (TAME)	0.88	0.50	ug/L	1.00	09/30/2004 02:43	
Surrogate(s)						
1,2-Dichloroethane-d4	113.2	72-128	%	1.00	09/30/2004 02:43	
Toluene-d8	102.9	80-113	%	1.00	09/30/2004 02:43	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

09/30/2004 14:30

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-1	Lab ID:	2004-09-0700 - 2
Sampled:	09/16/2004 09:15	Extracted:	9/30/2004 03:06
Matrix:	Water	QC Batch#:	2004/09/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/30/2004 03:06	
Benzene	ND	0.50	ug/L	1.00	09/30/2004 03:06	
Toluene	ND	0.50	ug/L	1.00	09/30/2004 03:06	
Ethylbenzene	ND	0.50	ug/L	1.00	09/30/2004 03:06	
Total xylenes	ND	1.0	ug/L	1.00	09/30/2004 03:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/30/2004 03:06	
Methyl tert-butyl ether (MTBE)	2.1	0.50	ug/L	1.00	09/30/2004 03:06	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/30/2004 03:06	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/30/2004 03:06	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/30/2004 03:06	
Surrogate(s)						
1,2-Dichloroethane-d4	109.9	72-128	%	1.00	09/30/2004 03:06	
Toluene-d8	101.7	80-113	%	1.00	09/30/2004 03:06	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041

BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-2	Lab ID:	2004-09-0700 - 3
Sampled:	09/16/2004 09:10	Extracted:	9/30/2004 03:28
Matrix:	Water	QC Batch#:	2004/09/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/30/2004 03:28	
Benzene	ND	0.50	ug/L	1.00	09/30/2004 03:28	
Toluene	ND	0.50	ug/L	1.00	09/30/2004 03:28	
Ethylbenzene	ND	0.50	ug/L	1.00	09/30/2004 03:28	
Total xylenes	ND	1.0	ug/L	1.00	09/30/2004 03:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/30/2004 03:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/30/2004 03:28	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/30/2004 03:28	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/30/2004 03:28	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/30/2004 03:28	
Surrogate(s)						
1,2-Dichloroethane-d4	107.3	72-128	%	1.00	09/30/2004 03:28	
Toluene-d8	106.2	80-113	%	1.00	09/30/2004 03:28	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041
BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EFFL	Lab ID: 2004-09-0700 - 4
Sampled: 09/16/2004 09:00	Extracted: 9/30/2004 03:50
Matrix: Water	QC Batch#: 2004/09/29-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/30/2004 03:50	
Benzene	ND	0.50	ug/L	1.00	09/30/2004 03:50	
Toluene	ND	0.50	ug/L	1.00	09/30/2004 03:50	
Ethylbenzene	ND	0.50	ug/L	1.00	09/30/2004 03:50	
Total xylenes	ND	1.0	ug/L	1.00	09/30/2004 03:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/30/2004 03:50	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/30/2004 03:50	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	09/30/2004 03:50	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	09/30/2004 03:50	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	09/30/2004 03:50	
Surrogate(s)						
1,2-Dichloroethane-d4	109.5	72-128	%	1.00	09/30/2004 03:50	
Toluene-d8	109.8	80-113	%	1.00	09/30/2004 03:50	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

09/30/2004 14:30

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041
BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/09/29-2B.64-032

Water

Test(s): 8260B

QC Batch # 2004/09/29-2B.64

Date Extracted: 09/29/2004 19:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/29/2004 19:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/29/2004 19:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/29/2004 19:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	09/29/2004 19:32	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	09/29/2004 19:32	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	09/29/2004 19:32	
Benzene	ND	0.5	ug/L	09/29/2004 19:32	
Toluene	ND	0.5	ug/L	09/29/2004 19:32	
Ethylbenzene	ND	0.5	ug/L	09/29/2004 19:32	
Total xylenes	ND	1.0	ug/L	09/29/2004 19:32	
Surrogates(s)					
1,2-Dichloroethane-d4	106.2	72-128	%	09/29/2004 19:32	
Toluene-d8	106.1	80-113	%	09/29/2004 19:32	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486707.0L041
BP Facility No: 608

Received: 09/22/2004 18:15

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/09/29-2B.64

LCS 2004/09/29-2B.64-047

Extracted: 09/29/2004

Analyzed: 09/29/2004 18:47

LCSD 2004/09/29-2B.64-009

Extracted: 09/29/2004

Analyzed: 09/29/2004 19:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	31.5	31.2	25	126.0	124.8	1.0	65-165	20		
Benzene	26.9	26.9	25	107.6	107.6	0.0	69-129	20		
Toluene	31.6	31.1	25	126.4	124.4	1.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	508	498	500	101.6	99.6		72-128			
Toluene-d8	540	531	500	108.0	106.2		80-113			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

09/30/2004 14:30

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 09 - 0700

Checklist completed by: (initials) FWA Date: 09/23/04

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples

Chain of custody present?

Chain of custody signed when relinquished and received?

Chain of custody agrees with sample labels?

Samples in proper container/bottle?

Sample containers intact?

Sufficient sample volume for indicated test?

All samples received within holding time?

Yes	No	Not Present	<input checked="" type="checkbox"/>
		Yes	<input checked="" type="checkbox"/> No
		Yes	<input checked="" type="checkbox"/> No
		Yes	<input checked="" type="checkbox"/> No
		Yes	<input checked="" type="checkbox"/> No
		Yes	<input checked="" type="checkbox"/> No
		Yes	<input checked="" type="checkbox"/> No

Contained sample blank and/or no sample present (Vials only)
 Referential element(s) present Element(s) not present No referential elements present
 Sampled in appropriate vial/bottle Sampled in inappropriate vial/bottle

Water - VOA vials have zero headspace?

No VOA vials submitted Yes No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt? Yes No

pH adjusted - Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc - Lot #(s) _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

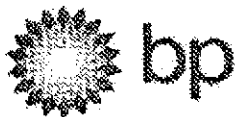
Comments: Both Trip Blank VOAs have lg bubbles

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/04 Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):



1004-09-0700

Chain of Custody Record

Project Name Station 608 - O&M - Remediation/Environmental
 BP BU/GEM CO Portfolio: Retail
 BP Laboratory Contract Number: Atlantic Richfield Company

On-site Time: 0800 Temp: 70
 Off-site Time: 1030 Temp: 75
 Sky Conditions: Sunny
 Meteorological Events: None
 Wind Speed: 1/2 Direction: N/A

Date: 9/16/04

Send To:	BP/GEM Facility No.: <u>Station 608</u>	Consultant/Contractor: <u>URS Oakland</u>
Lab Name: <u>STL-SF (Pleasanton)</u>	BP/GEM Facility Address: <u>17801 Hesperian Blvd, San Lorenzo, CA</u>	Address: <u>1333 Broadway, Suite 800</u>
Lab Address:	Site ID No.: <u>Station 608</u>	<u>Oakland, CA 94612</u>
<u>1220 Quarry Lane</u>	Site Lat/Long:	e-mail EDD: <u>No EDF</u>
<u>Pleasanton, CA 94566-4756</u>	California Global ID #: <u>T000100085</u>	Consultant/Contractor Project No.: <u>38486707.01.041</u>
Lab PM: <u>Afsaneh Salimpour</u>	BP/GEM Environmental Business Manager: <u>Paul Supple</u>	Consultant/Contractor Tele/Fax: <u>510.893.3600/510.874.3268</u>
Tele/Fax: <u>925.484.1919/925.484.1096</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Scott Robinson</u>
Report Type & QC Level: <u>Level 1</u>	<u>Moraga, CA 94570</u>	Invoice to: <u>Atlantic Richfield Co</u>
BP/GEM Account No.:	Tele/Fax: <u>925.299.8891/925.299.8872</u>	BP/GEM Work Release No: <u>G09JZ-0456</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservatives				Requested Analysis					Sample Point Lat/Long and Comments
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	CRD (8260)	BTEX (8260)	MTHB (8260)	Fuel Oxy. (8260)	COD (410.4)	
1	INFL	0800	9/16	X				3				X	X	X	X			
2	MID-1	0715	9/16	X				3				X	X	X	X			
3	MID-2	0710	9/16	X				3				X	X	X	X			
4	EFFL	0800	9/16	X				3				X	X	X	X			
5	EFFL	0800	9/16	X				1	X						X			NO EDF
6	EFFL	0800	9/16	X				1	X						X			
7	Trip blank	0800	9/16	X				2			X							on hold
8																		
9																		
10																		

Sampler's Name: <u>George Bradshaw</u>	Relinquished By / Acceptance: <u>[Signature]</u>	Date: <u>9/16/04</u>	Time: <u>1830</u>	Accepted / Relinquished: <u>[Signature]</u>	Date: <u>9/16/04</u>	Time: <u>1815</u>
Sampler's Company: <u>URS Corporation</u>	<u>[Signature]</u>	<u>9/16/04</u>	<u>110</u>	<u>[Signature]</u>	<u>9/16/04</u>	<u>1815</u>
Shipment Date: <u>9/16/04</u>	<u>[Signature]</u>	<u>9/16/04</u>	<u>1815</u>	<u>[Signature]</u>	<u>9/16/04</u>	<u>1815</u>
Shipment Method: <u>574-SAC</u>	<u>[Signature]</u>	<u>9/16/04</u>	<u>1815</u>	<u>[Signature]</u>	<u>9/16/04</u>	<u>1815</u>
Shipment Tracking No:						

Special Instructions: COD - Chemical Oxygen Demand (250 ml poly w/H2SO4); TSS - Total Suspended Solids (250 ml poly unpreserved)

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 30C Trip Blank Yes No



6 October, 2004

Afsaneh Salimpour
Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

RE: BP
Work Order: P409507

Enclosed are the results of analyses for samples received by the laboratory on 09/29/04 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Stacy P. Hoch For Robert Butler
Project Manager

CA ELAP Certificate #2374



Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton CA, 94566

Project:BP
Project Number:2004-09-0700-1
Project Manager:Afsaneh Salimpour

P409507
Reported:
10/06/04 11:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P409507-01	Water	09/16/04 09:00	09/29/04 10:30

Severn Trent Laboratories, San Francisco 1220 Quarry Lane Pleasanton CA, 94566	Project:BP Project Number:2004-09-0700-1 Project Manager:Afsaneh Salimpour	P409507 Reported: 10/06/04 11:30
--	--	--

**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (P409507-01) Water Sampled: 09/16/04 09:00 Received: 09/29/04 10:30									
Chemical Oxygen Demand	ND	20000	ug/l	1	4100053	10/04/04	10/04/04	EPA 410.4	

Severn Trent Laboratories, San Francisco
 1220 Quarry Lane
 Pleasanton CA, 94566

 Project:BP
 Project Number:2004-09-0700-1
 Project Manager:Afsaneh Salimpour

 P409507
 Reported:
 10/06/04 11:30

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Petaluma**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 4100053 - General Preparation / EPA 410.4
Blank (4100053-BLK1)

Prepared & Analyzed: 10/04/04

Chemical Oxygen Demand ND 20000 ug/l

Laboratory Control Sample (4100053-BS1)

Prepared & Analyzed: 10/04/04

Chemical Oxygen Demand 206000 20000 ug/l 250000 82 80-120

Matrix Spike (4100053-MS1)

Source: P410018-03

Prepared & Analyzed: 10/04/04

Chemical Oxygen Demand 236000 20000 ug/l 250000 ND 94 75-125

Matrix Spike Dup (4100053-MSD1)

Source: P410018-03

Prepared & Analyzed: 10/04/04

Chemical Oxygen Demand 231000 20000 ug/l 250000 ND 92 75-125 2 20



Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton CA, 94566

Project:BP
Project Number:2004-09-0700-1
Project Manager:Afsaneh Salimpour

P409507
Reported:
10/06/04 11:30

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

P409507

Date Shipped: 9/28/2004



STL

Chain of Custody

2004-09-0700 - 1

From: **STL San Francisco (CL)**
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

Project Manager: Afsaneh Salimpour
 Phone: (925) 484-1919 Ext: 107
 Fax: (925) 484-1096
 Email: asalimpour@stf-inc.com

To: **Sequoia Analytical Petaluma**
 1455 N. McDowell Blvd., North Ste. D
 Petaluma, CA 94954

Phone: (707) 792-1865 Ext:
 Fax: (707) 792-0342
 Contact: Sample Receiving
 Phone: (707) 792-1865 Ext:

CL Submission #: 2004-09-0700 Project #: Consultant Project No: 38486707.0L041
 CL PO #: Project Name: BP Facility No: 608

Client Sample ID	Sample	Matrix	Method	TAT
Analysis				
EFFL	P409507 - 01	4	9/16/2004 9:00:00AM	Water
Subcontract - COD				410.4
				5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

COOLER CUSTOMER SEALS INTACT
 NOT INTACT
 COOLER TEMPERATURE 49 °C

RELINQUISHED BY: 1.

Bryan Thomas 14:30
 Signature Time

Bryan Thomas 9/28/04
 Printed Name Date

STL-SF
 Company

RELINQUISHED BY: 2.

Signature Time

Printed Name Date

Company

RELINQUISHED BY: 3.

Signature Time

Printed Name Date

Company

RECEIVED BY: 1.

A. Lopez 10:30
 Signature Time

A. LOPEZ 9/29/04
 Printed Name Date

Sequoia
 Company

RECEIVED BY: 2.

Signature Time

Printed Name Date

Company

RECEIVED BY: 3.

Signature Time

Printed Name Date

Company

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL
 REC. BY (PRINT) KCL
 WORKORDER: P469007

DATE Received at Lab: 9-29-04
 TIME Received at Lab: 1030
 LOG IN DATE: 9/29/04

(Drinking water) for
 regulatory purposes: YES/NO NO
 (Wastewater) for
 regulatory purposes: YES/NO NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	Dash #	CLIENT ID	CONTAINER DESCRIPTION	pH	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*			EPL	500p Hz cell		W	9-16	
2. Chain-of-Custody Present / Absent*								
3. Airbill: Airbill / Sucker Present / Absent								
4. Airbill #: <u>6719 7540 6961</u>								
5. Sample Labels: <u>6</u> Present / Absent								
6. Sample IDs: Listed / Not Listed on Chain-of-Custody								
7. Sample Condition: Intact / Broken* / Leaking*								
8. Does information on custody reports, traffic reports, and sample labels agree? <u>Yes/No*</u>								
9. Sample received within hold time: <u>Yes/No*</u>								
10. Proper Preservatives used: <u>Yes/No*</u>								
11. Temperature Blank Received? <u>Yes/No*</u>								
12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres.: 4±2°C) <u>4.9</u> degrees C								
13. Samples collected more than 4 days ago? <u>Yes/No*</u>								

***If Circled, contact Project Manager and attach record of resolution.**

ATTACHMENT B
OPERATION AND MAINTENANCE FIELD LOGS

Date: 9/2/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps				
Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2,400
 Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? Operating (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	<u>39429 kWh.</u>	HOUR METER READING (hrs)	<u>15058.1</u> <u>@ 0815</u>
------------------------------------	-------------------	-----------------------------	---------------------------------

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>3811977</u>	
FILTER INLET PRESSURE (psig)	<u>4</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>3.2</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>4.0/4.5</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

PART B: COMMENTS Inlet Pressure low, Will inspect

pump next visit. Current to pump
2.1 Amps. Perhaps sand screen is blocked.

Tested Pool Flood Switch - o.k.

System Average 1,285 gpd / 0.9 gpm

Michael Greenberg →

168.1
 SS
 09/09/04

PART C: WELL DATA (Monthly)

* ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly)

To be Completed 9/16/04

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	
MID-1	TPH-gasoline, BTEX compounds, MtBE	
MID-2	TPH-gasoline, BTEX compounds, MtBE	

PART E: READINGS (Monthly)

To be completed 9/16/04

EFFLUENT	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	
PUMP AMP DRAW	2.1	H2O2 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	No		

PART G: SYSTEM MAINTENANCE II (Quarterly)

Every Trip →

TEST ALARM SWITCHES	9/2/04	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	8/26/04		

Date: 9/16/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0L041
August 14, 2003

System Description:

Groundwater Pumps				
Well	Type	Size	Control	Set Depth (TOB)
E-1A	Electric	3"	panel	23.9'

Carbon Vessels: Three ASC-2,400
 Filter: Rosedale P2 25 micron

8-10:30

PART A: SYSTEM DATA (Semi-Monthly)

System on upon arrival? Operating (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	<u>39606</u>	HOUR METER READING (hrs)	<u>15393.8</u>
---------------------------------	--------------	--------------------------	----------------

MEASUREMENT	ON-ARRIVAL	ON DEPARTURE
TOTALIZER (gallons) 3,832,211	<u>3,832,211</u>	
FILTER INLET PRESSURE (psig)	<u>2.5</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>2.5</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>3.4 / 4.0</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

PART B: COMMENTS Water within berm area.
Inspected system. No leaks present. Water possible from sprinklers adjacent to berm on back side.
Removal pump for inspection. Screen inlet slots completely blocked with fine silt. Removed outer screen and wire-brushed inner screen.
Replaced pump in well. Restarted system. No flow detected. Recommend turning site into batch extraction.

55
09/15/04

PART C: WELL DATA (Monthly)

* ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS

WELL	DTW (TOB)	TOTALIZER (gallons)	FLOWRATE (gpm)	COMMENTS/ ADJUSTMENTS
E-1A				
UST-A		N/A	N/A	
UST-B		N/A	N/A	
SP1-V4		N/A	N/A	

PART D: SAMPLING (Monthly)

Collected today

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	9/16
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	9/16
MID-1	TPH-gasoline, BTEX compounds, MtBE	9/16
MID-2	TPH-gasoline, BTEX compounds, MtBE	9/16

PART E: READINGS (Monthly)

EFFLUENT	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
	23.4°C	1009µS	7.21	11.5

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	No
PUMP AMP DRAW	0.2	H2O2 injection well EA-1 (if necessary)	N/A
SWEEP ENCLOSURE	No		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	No		