



November 15, 2004

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

**Re: Monthly Discharge Report – October 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 September 16, 2004 through October 21, 2004 (Tables 1 and 2). Operational parameters are summarized below.

<b>Treatment System Status:</b>	<b>Operational through 10/21/04</b>
<b>Reporting Period:</b>	09/16/04 to 10/21/04
<b>Period Volume Discharged:</b>	59,006 gallons
<b>Effluent pH Reading:</b>	6.89
<b>Average Period Flow Rate:</b>	1.17 gpm
<b>Analytical Report:</b>	Attachment A
<b>O &amp; M Field Information:</b>	Attachment B

**DISCUSSION:**

Monthly compliance samples were collected on October 21, 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 17 µg/L and 2.0 µg/L, respectively. Tert-Amyl methyl ether (TAME) was detected above the laboratory reporting limit in the influent sample (INF) at a concentration of 1.1 µg/L. No other constituents were detected above the laboratory reporting limits.



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, October 21, 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 <sup>(*)</sup> (%)	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 <sup>(a)</sup> (%)	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
10/07/04	15,902	60,858	0	3,867,732	35,521	2,831,257	1.17
10/21/04	16,235	61,191	0	3,891,217	23,485	2,854,742	1.17

<b>REPORTING PERIOD:</b>	09/16/04 to 10/21/04
<b>PERIOD AVERAGE FLOW RATE (gpm):</b>	1.17
<b>PERIOD VOLUME DISCHARGED (gallons):</b>	59,006

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.

**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 <sup>(k)</sup> (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
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- 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)
<b>INFL (influent to primary carbon)</b>										
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)
<b>INFL (influent to primary carbon) (cont.)</b>										
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
10/21/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	17	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)
<b>MID-1 (between primary and secondary carbons)</b>										
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



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 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)
<b>MID-1 (cont.)</b>										
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
10/21/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.0	NS	NS	NA	NA

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**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)
<b>EFFL (effluent to sewer)</b>										
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
01/16/92	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

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 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)
<b>EFFL (effluent to sewer) (cont.)</b>										
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	NA	NA
06/12/00	ND<50.0	NS	NS	NS	NS	NS	NS	NS	7.19	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)
<b>EFFL (effluent to sewer) (cont.)</b>										
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<0.50	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
10/21/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	6.89	2.60

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**

November 09, 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 10/22/2004 16:35  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

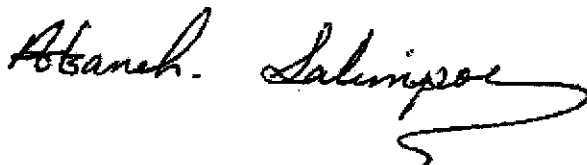
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after  
12/06/2004 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](mailto: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](http://www.stl-inc.com) \* CA DHS ELAP# 2496

**URS-Oakland, CA**

**November 09, 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 Friday, October 22, 2004  
4:35 PM.

**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](http://www.stl-inc.com) \* CA DHS ELAP# 2496

Submission: 2004-10-0753

Project Verification

SEVERN

TRENT

Received on: 10/22/2004 16:35

From: URS-Oakland, CA

By: Afsaneh Salimpour

Scott Robinson

Cooler Tmp: 2

1333 Broadway, Suite 800  
Oakland, CA 94612

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

Project#: Consultant Project No:

Tel.: (925) 484-1919  
Fax: (925) 484-1096  
www.stl-inc.com

Project: BP Facility No: 608

17601 Hesperian Blvd., San Lorenzo, CA

CA DHS ELAP#:2496

Lab Sample #	Sample ID	Matrix	Sampled
EPA Method	Analysis	TAT	Due Date
2004-10-0753 - 1	<b>INFL</b>	<b>Water</b>	10/21/2004 11:50
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Di-isopropyl Ether (DIPE), Ethyl tert-butyl ether (ETBE), Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Toluene, Total xylenes</i>	10 Day	11/05/2004 17:00
2004-10-0753 - 2	<b>MID-1</b>	<b>Water</b>	10/21/2004 11:45
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Di-isopropyl Ether (DIPE), Ethyl tert-butyl ether (ETBE), Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Toluene, Total xylenes</i>	10 Day	11/05/2004 17:00
2004-10-0753 - 3	<b>MID-2</b>	<b>Water</b>	10/21/2004 11:40
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Di-isopropyl Ether (DIPE), Ethyl tert-butyl ether (ETBE), Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Toluene, Total xylenes</i>	10 Day	11/05/2004 17:00
2004-10-0753 - 4	<b>EFFL</b>	<b>Water</b>	10/21/2004 11:30
8260B	Gas/BTEX Fuel Oxygenates by 8260B <i>Benzene, Di-isopropyl Ether (DIPE), Ethyl tert-butyl ether (ETBE), Ethylbenzene, Gasoline, Methyl tert-butyl ether (MTBE), tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Toluene, Total xylenes</i>	10 Day	11/05/2004 17:00
410.4	Subcontract - COD	10 Day	11/05/2004 17:00
160.2	Total Suspended Solids	10 Day	11/05/2004 17:00
2004-10-0753 - 5	<b>TRIP BLANK</b>	<b>Water</b>	10/21/2004 11:00

MS - Sample will be spiked for the analysis (Matrix Spike)



**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
EFFL	10/21/2004 11:30	Water	4

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

11/04/2004 14:53

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s): 160.2	Test(s): 160.2
Sample ID: EPFL	Lab ID: 2004-10-0753-4
Sampled: 10/21/2004 11:30	Extracted: 10/27/2004 07:12
Matrix: Water	QC Batch#: 2004/10/27-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	10/28/2004 06:22	

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

11/04/2004 14:53

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report					
Prep(s): 160.2				Test(s): 160.2	
Method Blank		Water		QC Batch # 2004/10/27-01.29	
MB: 2004/10/27-01.29-001				Date Extracted: 10/27/2004 07:12	
Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	10/28/2004 06:28	

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report										
Prep(s): 160.2						Test(s): 160.2				
Laboratory Control Spike				Water			QC Batch # 2004/10/27-01.29			
LCS	2004/10/27-01.29-002			Extracted: 10/27/2004			Analyzed: 10/28/2004 06:13			
LCSD	2004/10/27-01.29-003			Extracted: 10/27/2004			Analyzed: 10/28/2004 06:20			
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
TSS	883	822	1000	88.3	82.2	7.2	80-120	20		

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
INFL	10/21/2004 11:50	Water	1
MID-1	10/21/2004 11:45	Water	2
MID-2	10/21/2004 11:40	Water	3
EFFL	10/21/2004 11:30	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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-10-0753-1
Sampled:	10/21/2004 11:50	Extracted:	10/30/2004 11:59
Matrix:	Water	QC Batch#:	2004/10/30-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/30/2004 11:59	
Benzene	ND	0.50	ug/L	1.00	10/30/2004 11:59	
Toluene	ND	0.50	ug/L	1.00	10/30/2004 11:59	
Ethylbenzene	ND	0.50	ug/L	1.00	10/30/2004 11:59	
Total xylenes	ND	1.0	ug/L	1.00	10/30/2004 11:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/30/2004 11:59	
Methyl tert-butyl ether (MTBE)	17	0.50	ug/L	1.00	10/30/2004 11:59	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/30/2004 11:59	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/30/2004 11:59	
tert-Amyl methyl ether (TAME)	1.1	0.50	ug/L	1.00	10/30/2004 11:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.8	72-128	%	1.00	10/30/2004 11:59	
Toluene-d8	103.6	80-113	%	1.00	10/30/2004 11:59	

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID-1	Lab ID: 2004-10-0753 - 2
Sampled: 10/21/2004 11:45	Extracted: 10/29/2004 13:09
Matrix: Water	QC Batch#: 2004/10/29-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/29/2004 13:09	
Benzene	ND	0.50	ug/L	1.00	10/29/2004 13:09	
Toluene	ND	0.50	ug/L	1.00	10/29/2004 13:09	
Ethylbenzene	ND	0.50	ug/L	1.00	10/29/2004 13:09	
Total xylenes	ND	1.0	ug/L	1.00	10/29/2004 13:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/29/2004 13:09	
Methyl tert-butyl ether (MTBE)	2.0	0.50	ug/L	1.00	10/29/2004 13:09	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/29/2004 13:09	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/29/2004 13:09	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/29/2004 13:09	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.7	72-128	%	1.00	10/29/2004 13:09	
Toluene-d8	108.6	80-113	%	1.00	10/29/2004 13:09	

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID-2	Lab ID: 2004-10-0753-3
Sampled: 10/21/2004 11:40	Extracted: 10/29/2004 13:27
Matrix: Water	QC Batch#: 2004/10/29-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/29/2004 13:27	
Benzene	ND	0.50	ug/L	1.00	10/29/2004 13:27	
Toluene	ND	0.50	ug/L	1.00	10/29/2004 13:27	
Ethylbenzene	ND	0.50	ug/L	1.00	10/29/2004 13:27	
Total xylenes	ND	1.0	ug/L	1.00	10/29/2004 13:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/29/2004 13:27	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/29/2004 13:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/29/2004 13:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/29/2004 13:27	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/29/2004 13:27	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.5	72-128	%	1.00	10/29/2004 13:27	
Toluene-d8	104.4	80-113	%	1.00	10/29/2004 13:27	

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

11/09/2004 11:52



**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2004-10-0753 - 4
Sampled:	10/21/2004 11:30	Extracted:	10/29/2004 10:06
Matrix:	Water	QC Batch#:	2004/10/29-1B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/29/2004 10:06	
Benzene	ND	0.50	ug/L	1.00	10/29/2004 10:06	
Toluene	ND	0.50	ug/L	1.00	10/29/2004 10:06	
Ethylbenzene	ND	0.50	ug/L	1.00	10/29/2004 10:06	
Total xylenes	ND	1.0	ug/L	1.00	10/29/2004 10:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/29/2004 10:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/29/2004 10:06	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/29/2004 10:06	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/29/2004 10:06	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/29/2004 10:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	108.3	72-128	%	1.00	10/29/2004 10:06	
Toluene-d8	102.3	80-113	%	1.00	10/29/2004 10:06	

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

11/09/2004 11:52

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2004/10/29-1B.68	
MB: 2004/10/29-1B.68-600				Date Extracted: 10/29/2004 09:00	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/29/2004 09:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/29/2004 09:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/29/2004 09:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	10/29/2004 09:00	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/29/2004 09:00	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/29/2004 09:00	
Benzene	ND	0.5	ug/L	10/29/2004 09:00	
Toluene	ND	0.5	ug/L	10/29/2004 09:00	
Ethylbenzene	ND	0.5	ug/L	10/29/2004 09:00	
Total xylenes	ND	1.0	ug/L	10/29/2004 09:00	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	111.8	72-128	%	10/29/2004 09:00	
Toluene-d8	100.8	80-113	%	10/29/2004 09:00	

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/30-1C.64-013

Water

Test(s): 8260B

QC Batch # 2004/10/30-1C.64

Date Extracted: 10/30/2004 09:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/30/2004 09:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/30/2004 09:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/30/2004 09:13	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	10/30/2004 09:13	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/30/2004 09:13	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/30/2004 09:13	
Benzene	ND	0.5	ug/L	10/30/2004 09:13	
Toluene	ND	0.5	ug/L	10/30/2004 09:13	
Ethylbenzene	ND	0.5	ug/L	10/30/2004 09:13	
Total xylenes	ND	1.0	ug/L	10/30/2004 09:13	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.4	72-128	%	10/30/2004 09:13	
Toluene-d8	102.0	80-113	%	10/30/2004 09:13	

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

11/09/2004 11:52

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Water	QC Batch #: 2004/10/29-1B.68	
LCS: 2004/10/29-1B.68-041	Extracted: 10/29/2004	Analyzed: 10/29/2004 08:41	
LCSD			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.6		25	102.4			65-165	20		
Benzene	22.1		25	88.4			69-129	20		
Toluene	23.2		25	92.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	501		500	100.2			72-128			
Toluene-d8	505		500	101.0			80-113			

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Water	QC Batch # 2004/10/30-1C-64	
LCS: 2004/10/30-1C-64-050	Extracted: 10/30/2004	Analyzed: 10/30/2004 08:50	
LCSD			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.4		25	85.6			65-165	20		
Benzene	20.3		25	81.2			69-129	20		
Toluene	21.0		25	84.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	469		500	93.8			72-128			
Toluene-d8	502		500	100.4			80-113			

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>		<b>Water</b>	<b>QC Batch # 2004/10/29-1B.68</b>
EFFL >> MS			Lab ID: 2004-10-0753-004
MS: 2004/10/29-1B.68-024	Extracted: 10/29/2004		Analyzed: 10/29/2004 10:24
			Dilution: 1.00
MSD: 2004/10/29-1B.68-042	Extracted: 10/29/2004		Analyzed: 10/29/2004 10:42
			Dilution: 1.00

Compound	Conc. ug/L			Spk. Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.0	24.7	ND	25	116.0	98.8	16.0	65-165	20		
Benzene	24.1	22.5	ND	25	96.4	90.0	6.9	69-129	20		
Toluene	23.5	22.7	ND	25	94.0	90.8	3.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	515	522		500	103.0	104.4		72-128			
Toluene-d8	509	528		500	101.8	105.6		80-113			

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>		<b>QC Batch # 2004/10/30-1C.64</b>
<b>MS/MSD</b>			<b>Lab ID: 2004-10-0766 - 001</b>
MS: 2004/10/30-1C.64-044	Extracted: 10/30/2004		Analyzed: 10/30/2004 12:44
			Dilution: 1.00
MSD: 2004/10/30-1C.64-006	Extracted: 10/30/2004		Analyzed: 10/30/2004 13:06
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	19.9	19.2	ND	25	79.6	76.8	3.6	69-129	20		
Toluene	20.6	20.0	ND	25	82.4	80.0	3.0	70-130	20		
Methyl tert-butyl ether	108	118	94.2	25	55.2	95.2	53.2	65-165	20	M5	R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	463	475		500	92.6	95.0		72-128			
Toluene-d8	503	523		500	100.6	104.6		80-113			

**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: 10/22/2004 16:35

Site: 17601 Hesperian Blvd., San Lorenzo, CA

**Legend and Notes**

**Result Flag**

M5

MS/MSD spike recoveries were below acceptance limits.  
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

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

11/09/2004 11:52

Page 12 of 12



STL San Francisco

Sample Receipt Checklist

Submission #: 2004-10-0753

Checklist completed by: (initials) DSH Date: 10/25/04

Courier name: [X] 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
Yes No
Yes No
Yes No
Yes No
Yes No
Yes No
Yes No

Container/Temp/Blank/Leakage/Other/Remarks/...
Potential for...
Sample...

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:

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):



2004-10-0753  
bp

### 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  
 Requested Due Date (mm/dd/yy): 11/4/04  
 Date: 10/21/04 2-Whole TAT (Standard 14 day TAT)

On-site Time: 1100 Temp: 72  
 Off-site Time: 1200 Temp: 74  
 Sky Conditions: Sunny, Clear  
 Meteorological Events: None  
 Wind Speed: N/A Direction: N/A

Send To:	BP/GEM Facility No.: Station 608	Consultant/Contractor: URS Oakland
Lab Name: STL-SF (Pleasanton)	BP/GEM Facility Address: 17681 Hepgarian Blvd. San Lorenzo, CA	Address: 1333 Broadway, Suite 800
Lab Address:	Site ID No.: Station 608	Oakland, CA 94612
1220 Quarry Lane	Site Lat/Long:	e-mail EDF: No EDF
Pleasanton, CA 94566-4756	California Global ID #: T000100083	Consultant/Contractor Project No.: 38486707.0L041
Lab PM: Afenach Salimpour	BP/GEM Environmental Business Manager: Paul Supple	Consultant/Contractor Tele/Fax: 510.893.3600/510.874.3268
Tele/Fax: 925.484.1919/925.484.1096	Address: P.O. Box 6949	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: Level 1	Moraga, CA 94670	Invoice to: Atlantic Richfield Co
BP/GEM Account No.:	Tele/Fax: 925.299.8891/925.299.8871	BP/GEM Work Release No: G09JZ-0456
Lab Bottles Order No:		

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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	CRO (8260)	BTEX (8260)	MTBE (8260)	Pet. Oxy. (8260)	COD (410.4)	
1	INFL	1100	10/21	X				3				X	X	X	X			Add monthly report to George Barsman
2	MID-1	1145	10/21	X				3				X	X	X	X			
3	MID-2	1140	10/21	X				3				X	X	X	X			
4	BPFL	1130	10/21	X				3				X	X	X	X			
5	BPFL	1130	10/21	X				1		X						X		
6	BPFL	1130	10/21	X				1	X							X		NO EDF
7	Trip blank	1100	10/21	X				R										on hold
8																		
9																		
10																		

Sampler's Name: George Barsman  
 Sampler's Company: URS CORP.  
 Shipment Date: 10/21/04  
 Shipment Method: STL-SAC  
 Shipment Tracking No: 102204 1045  
 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  Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor



**Sequoia  
Analytical**

1455 McDowell Blvd, North Ste D  
Petaluma, CA 94954  
(707) 792-1865  
FAX (707) 792-0342  
www.sequoialabs.com

---

11 November, 2004

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

RE: BP  
Work Order: P410516

Enclosed are the results of analyses for samples received by the laboratory on 10/26/04 10:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michael R. Giles For Robert Butler  
Dept Manager / Project Manager

CA ELAP Certificate #2374



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

Project:BP  
Project Number:2004-10-0753  
Project Manager:Afsaneh Salimpour

P410516  
Reported:  
11/11/04 09:41

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P410516-01	Water	10/21/04 11:30	10/26/04 10:00



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

Project:BP  
Project Number:2004-10-0753  
Project Manager:Afsaneh Salimpour

P410516  
Reported:  
11/11/04 09:41

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>EFFL (P410516-01) Water</b> <b>Sampled: 10/21/04 11:30</b> <b>Received: 10/26/04 10:00</b>									
Chemical Oxygen Demand	ND	20000	ug/l	1	4110092	11/03/04	11/03/04	EPA 410.4	



1455 McDowell Blvd, North Ste D  
 Petaluma, CA 94954  
 (707) 792-1865  
 FAX (707) 792-0342  
 www.sequoialabs.com

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

Project:BP  
 Project Number:2004-10-0753  
 Project Manager:Afsaneh Salimpour

P410516  
 Reported:  
 11/11/04 09:41

**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
<b>Batch 4110092 - General Preparation / EPA 410.4</b>										
<b>Blank (4110092-BLK1)</b>										
Chemical Oxygen Demand	ND	20000	ug/l							Prepared & Analyzed: 11/03/04
<b>Laboratory Control Sample (4110092-BS1)</b>										
Chemical Oxygen Demand	240000	20000	ug/l	250000		96	80-120			Prepared & Analyzed: 11/03/04
<b>Matrix Spike (4110092-MS1)</b>										
Chemical Oxygen Demand	625000	40000	ug/l	500000	120000	101	75-125			Source: P410495-01 Prepared & Analyzed: 11/03/04
<b>Matrix Spike Dup (4110092-MSD1)</b>										
Chemical Oxygen Demand	663000	40000	ug/l	500000	120000	109	75-125	6	20	Source: P410495-01 Prepared & Analyzed: 11/03/04



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

Project:BP  
Project Number:2004-10-0753  
Project Manager:Afsaneh Salimpour

P410516  
Reported:  
11/11/04 09:41

**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



STL

P410516  
Chain of Custody

Date Shipped: 10/25/2004

2004-10-0753 - 1

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

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

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

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

CL Submission #: 2004-10-0753

Project #: Consultant Project No:  
38486707.0L041

CL PO #:

Project Name: BP Facility No: 608

Client Sample ID	Analysis	Matrix	Method	TAT
PC110516-01	4	Water	410.4	10 Day
Subcontract - COD				

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

COOLING TEMPERATURE 4.7 °C

RELINQUISHED BY: 1.

Signature: *[Signature]* Time: 15:15

Printed Name: Bryan Thomas Date: 10/25/04

Company: STL-SF

RELINQUISHED BY: 2.

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

RELINQUISHED BY: 3.

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

RECEIVED BY: 1.

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

RECEIVED BY: 2.

Signature: *[Signature]* Time: 10/26/04

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

RECEIVED BY: 3.

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_



### SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL  
 REC. BY (PRINT) CJ  
 WORKORDER: P410516

DATE Received at Lab: 10/26/04  
 TIME Received at Lab: 1000  
 LOG IN DATE: 10/26/04

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	Dash #	CLIENT ID	CONTAINER DESCRIPTION	pH	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) <input checked="" type="radio"/> Present / <input type="radio"/> Absent Intact / Broken*			EEFL	Other Hg Seal		W	10/26	
2. Chain-of-Custody <input checked="" type="radio"/> Present / <input type="radio"/> Absent*								
3. Airbill: <input checked="" type="radio"/> Airbill / <input type="radio"/> Sticker Present / Absent								
4. Airbill #: <u>6719754108059</u>								
5. Sample Labels: <input checked="" type="radio"/> Present / <input type="radio"/> Absent								
6. Sample IDs: <input checked="" type="radio"/> Listed / <input type="radio"/> Not Listed on Chain-of-Custody								
7. Sample Condition: <input checked="" type="radio"/> Intact / <input type="radio"/> Broken* / Leaking*								
8. Does information on custody reports, traffic reports, and sample labels agree? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
9. Sample received within hold time: <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
10. Proper Preservatives used: <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
11. Temperature Blank Received? <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres.: 4±2°C) <input checked="" type="radio"/> Yes / <input type="radio"/> No*								
13. Samples collected more than 4 days ago? <input checked="" type="radio"/> Yes / <input type="radio"/> No								

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

**ATTACHMENT B**  
**OPERATION AND MAINTENANCE FIELD LOGS**

Date: 10/7/04

**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

*Arrival: 1300*

**PART A: SYSTEM DATA (Semi-Monthly)**

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

ELECTRIC METER READING (kw hrs)	<u>39885 kWh</u>	HOUR METER READING (hrs)	<u>15901.5</u>
---------------------------------	------------------	--------------------------	----------------

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>3867732</u>	
FILTER INLET PRESSURE (psig)	<u>9.5</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>8.1</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>4.5 / 4.2</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

**PART B: COMMENTS** Pump seems to be working at this time.  
Pump Averaging 1,679 gal/day (1.2 gpm)  
Will purchase additional sand screen for  
replacement & cleaning every month.

*65*  
*10/11/04*

**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 10/21/09*

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 10/21/09*

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)	<del>No</del> Yes
PUMP AMP DRAW	n/a	H2O2 injection well EA-1 (if necessary)	n/a
SWEEP ENCLOSURE	No		

**PART G: SYSTEM MAINTENANCE II (Quarterly)**

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	No
CLEAN TOTALIZERS	Yes		

Date: 10/21/04

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

**System Description:**

Well	Groundwater Pumps			Control	Set Depth (TOB)
	Type	Size			
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>40171 kWh</u>	HOUR METER READING (hrs)	<u>16235.3</u>
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MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>3,891,217</u>	<u>3,891,299</u>
FILTER INLET PRESSURE (psig)	<u>12</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>10.5</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>5.5 / 4.2</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

**PART B: COMMENTS** System Averaging 1,689 gal/day

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10/22/04

**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)**

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasolite, BTEX compounds, MtBE	10/21
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	10/21
MID-1	TPH-gasoline, BTEX compounds, MtBE	10/21
MID-2	TPH-gasoline, BTEX compounds, MtBE	10/21

**PART E: READINGS (Monthly)**

EFFLUENT	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
	20.5°C	1015 µS	6.89	2.60

**PART F: SYSTEM MAINTENANCE I (Monthly)**

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	No
PUMP AMP DRAW	N/A	H202 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	Yes		