



VO-255

February 15, 2005

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

Alameda County
MAR 7 2005
Environmental Health

Re: Monthly Discharge Report – January 2005
Discharge Permit #SDP-037
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California

Dear Mr. Carson:

On behalf of Atlantic Richfield Company, (a BP affiliated company), URS Corporation (URS) is operating a groundwater extraction and treatment (GWET) system at the above referenced site. This letter transmits GWET system operational data for the period from December 30, 2004 through February 2, 2005 (Tables 1 and 2). Operational parameters are summarized below.

<i>Treatment System Status:</i>	<i>Operational through 2/2/05</i>
<i>Reporting Period:</i>	<i>12/30/04 to 2/2/05</i>
<i>Volume Discharged this period:</i>	<i>70,691 gallons</i>
<i>Effluent pH Reading:</i>	<i>6.78</i>
<i>Average Flow Rate this period:</i>	<i>1.44 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 January 19, 2005, 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 19 µg/L and 2.2 µg/L, respectively. GRO was detected above the laboratory reporting limit in the influent sample (INF) at a concentration of 84 µg/L. Tert-Amyl methyl ether (TAME) was detected above the laboratory reporting limit in the influent sample (INF) at a concentration of 0.71 µg/L. No other constituents were detected above the laboratory reporting limits.

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 510-874-1769.

Sincerely,

URS CORPORATION

Amber Budd
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
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 ^(*) (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
06/05/00	a 29593		97	979,800	3,200	3,200	2.1
06/19/00	29896		10	1,052,390	72,590	75,790	4.0
06/28/00	30062		23	1,082,340	29,950	105,740	3.0
07/08/00	30352		0	1,131,560	49,220	154,960	2.8
07/26/00	30749		8	1,196,420	64,860	219,820	2.7
08/07/00	30955		28	1,228,020	31,600	251,420	2.6
08/29/00	31309		33	1,276,650	48,630	300,050	2.3
09/08/00	31528		9	1,306,300	29,650	329,700	2.3
09/28/00	32011		0	1,368,410	62,110	391,810	2.1
10/28/00	32638		13	1,444,183	75,773	467,583	2.0
11/30/00	33399		4	1,534,960	90,777	558,360	2.0
12/28/00	33761		46	1,576,520	41,560	599,920	1.9
01/04/01	33924		3	1,595,340	18,820	618,740	1.9
02/06/01	34556		20	1,672,330	76,990	695,730	2.0
03/08/01	34776		70	1,698,860	26,530	722,260	2.0
03/24/01	35088		19	1,741,170	42,310	764,570	2.3
04/05/01	35310		23	1,767,530	26,360	790,930	2.0
04/18/01	35335		92	1,770,860	3,330	794,260	2.3
05/04/01	35716		1	1,812,690	41,830	836,090	1.8
06/09/01	36345		27	1,879,710	67,020	903,110	1.8
07/05/01	b 36469		80	1,897,180	17,470	920,580	2.3
07/28/01	36821		36	1,928,250	31,070	951,650	1.5
08/14/01	c 36822		100	1,928,510	260	951,910	5.4
09/05/01	37219		25	1,977,050	48,540	1,000,450	2.0
10/05/01	37932		1	2,040,950	63,900	1,064,350	1.5
11/13/01	38820		5	2,119,670	78,720	1,143,070	1.5
12/11/01	39496		0	2,186,530	66,860	1,209,930	1.6
01/04/02	40063		2	2,248,700	62,170	1,272,100	1.8
01/31/02	40716		0	2,321,310	72,610	1,344,710	1.9
02/05/02	40830		5	2,333,090	11,780	1,356,490	1.7
02/25/02	40831		100	2,333,270	180	1,356,670	1.7
03/05/02	40968		29	2,353,460	20,190	1,376,860	2.5
04/08/02	41735		6	2,448,360	94,900	1,471,760	2.1
05/04/02	42362		0	2,487,090	38,730	1,510,490	1.0
05/31/02	d 42832		27	2,503,380	16,290	1,526,780	0.6
08/19/02	44925		0	2,520,289	16,909	1,543,689	0.1
10/03/02	e 44956		97	2,520,582	293	1,543,982	N/A
10/07/02	e 44956		100	2,522,394	1,812	1,545,794	N/A
10/24/02	e 44956		100	2,527,898	5,504	1,551,298	N/A
11/07/02	0 f 44,956	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	1174 g	46,130	100	2,591,359	35,464	1,614,759	1.53
01/16/03	1486 g	46,442	97	2,625,812	34,453	1,649,212	1.84
02/13/03	2156 g	47,112	0	2,692,710	66,898	1,716,110	1.67
03/13/03	2832	47,788	0	2,758,948	66,238	1,782,348	1.63
03/27/03	3165	48,121	1	2,790,668	31,720	1,814,068	1.58
04/10/03	3500	48,456	0	2,828,060	37,392	1,851,460	1.86
04/24/03	3837	48,793	0	2,865,050	36,990	1,888,450	1.83
05/08/03	4172	49,128	0	2,900,937	35,887	1,924,337	1.79

ENVIRONMENTAL HEALTH
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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)
05/22/03	4459 h	49,415	14	2,931,190	30,253	1,954,590	1.75
05/30/03	4459 i	49,415	100	2,931,190	0	1,954,590	0.00
06/05/03	4606	49,562	0	2,946,180	14,990	1,969,580	1.69
06/19/03	4940	49,896	1	2,971,985	25,805	1,995,385	1.29
07/11/03	4940	49,896	100	2,971,985	0	1,995,385	0.00
07/24/03	5331	50,287	0	2,972,362	377	1,995,762	0.02
08/14/03	5831	50,787	1	3,013,517	41,532	2,036,917	0.78
08/28/03	6165	51,121	1	3,040,900	27,383	2,064,300	1.37
09/11/03	6503	51,459	0	3,067,641	26,741	2,091,041	1.32
09/25/03	6838	51,794	0	3,095,020	27,379	2,118,420	1.36
10/09/03	7176	52,132	0	3,122,624	81,724	2,146,024	1.35
10/23/03	7512	52,468	0	3,149,200	26,576	2,172,600	1.32
11/06/03	NA 1	NA	NA	NA	NA	NA	NA
11/20/03	8182	53,138	0	3,204,612	55,412	2,228,012	1.38
12/04/03	8518	53,474	0	3,233,956	29,344	2,201,944	0.49
12/18/03	8851	53,807	1	3,264,487	30,531	2,232,475	1.53
01/08/04	9356	54,312	0	3,312,485	47,998	2,276,010	1.58
01/22/04	9690	54,646	1	3,344,994	32,509	2,308,519	1.62
02/05/04	10026	54,982	0	3,377,510	32,516	2,341,035	1.61
02/19/04	10357	55,313	2	3,410,457	32,947	2,373,982	1.66
03/04/04	10695	55,651	0	3,446,501	36,044	2,410,026	1.77
03/18/04	11030	55,986	0	3,480,890	34,389	2,444,415	1.71
04/07/04	11509	56,465	0	3,524,179	43,289	2,487,704	1.51
04/22/04	11869	56,825	0	3,552,144	27,965	2,515,669	1.30
05/06/04	12206	57,162	0	3,579,927	27,783	2,543,452	1.37
05/19/04	12522	57,478	0	3,607,015	27,088	2,570,540	1.43
06/02/04	12853	57,809	1	3,635,580	28,565	2,599,105	1.44
06/16/04	13198	58,154	0	3,664,594	29,014	2,628,119	1.40
07/08/04	13715	58,671	2	3,708,440	43,846	2,671,965	1.41
07/22/04	14050	59,006	0	3,736,245	27,805	2,699,770	1.38
08/12/04	14554	59,510	0	3,777,215	40,970	2,740,740	1.36
08/26/04	14890	59,846	0	3,803,030	25,815	2,766,555	1.28
09/02/04	15058	60,014	0	3,811,977	8,947	2,775,502	0.89
09/16/04	15394	60,350	0	3,832,211	20,234	2,795,736	1.00
10/07/04	15902	60,858	0	3,867,732	35,521	2,831,257	1.17
10/21/04	16235	61,191	0	3,891,217	23,485	2,854,742	1.17
11/04/04	16572	61,528	0	3,917,240	26,023	2,880,765	1.29
11/18/04	16908	61,864	0	3,942,990	25,750	2,906,515	1.28
12/02/04	17242	62,198	0	3,967,880	24,890	2,931,405	1.24
12/16/04	17579	62,535	0	3,994,102	26,222	2,957,627	1.30
12/30/04	17915	62,871	0	4,020,937	26,835	2,984,462	1.33
01/05/05	18062	63,018	0	4,033,820	12,883	2,997,345	1.46
01/19/05	18396	63,352	0	4,063,602	29,782	3,027,127	1.49
02/02/05	18734	63,690	0	4,091,628	28,026	3,055,153	1.38
REPORTING PERIOD:						12/30/04 to 2/2/05	
PERIOD AVERAGE FLOW RATE (gpm):						1.44	
PERIOD VOLUME DISCHARGED (gallons):						70,691	

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
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

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.)										
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 ¹	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	66	NS	NS	NA	NA
3/27/03 ¹	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
4/24/03 ¹	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	56	NS	NS	NA	NA
5/30/03 ¹	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) ²	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30 (40) ²	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) ²	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
11/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	14	NS	NS	NA	NA
12/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	15	NS	NS	NA	NA
01/19/05	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	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
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

Table 2
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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.)										
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 ¹	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	NS	NS	NA	NA
3/27/03 ¹	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	NS	NS	NA	NA
4/24/03 ¹	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	NS	NS	NA	NA
5/30/03 ¹	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) ²	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
11/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.5	NS	NS	NA	NA
12/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	1.9	NS	NS	NA	NA
01/19/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.2	NS	NS	NA	NA

Table 2
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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 ¹	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1	NS	NS	NA	NA
3/27/03 ¹	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.94	NS	NS	NA	NA
4/24/03 ¹	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	NS	NS	NA	NA
5/30/03 ¹	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) ²	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
10/21/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
11/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
12/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA
01/19/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	NS	NS	NA	NA

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 ARCO Service Station #0608
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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)
EFFLUENT (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
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

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.)										
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 ¹	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 ¹	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 ¹	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 ¹	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
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) ²	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
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
11/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	14	6.95	0.34
12/16/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	6.92	2.00
01/19/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<10	6.78	1.26

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

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

Footnotes:

1. Analyzed with EPA Method 8260
2. MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

Notes:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

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.

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.

ATTACHMENT A

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

URS-Oakland, CA

February 04, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015

Project: BP 608

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Attached is our report for your samples received on 01/21/2005 13:00
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

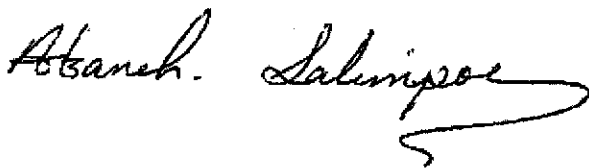
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
03/07/2005 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

URS-Oakland, CA

February 04, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015

Project: BP 608

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Friday, January 21, 2005
1:00 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 * 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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	01/19/2005 12:30	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

01/27/2005 08:09

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: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2005-01-0557 - 4
Sampled:	01/19/2005 12:30	Extracted:	1/25/2005 10:31
Matrix:	Water	QC Batch#:	2005/01/25-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	01/26/2005 09:03	

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Method Blank

MB: 2005/01/25-01.29-001

Water

Test(s): 160.2

QC Batch # 2005/01/25-01.29

Date Extracted: 01/25/2005 10:31

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	01/26/2005 09:01	

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike

Water

QC Batch # 2005/01/25-01.29

LCS 2005/01/25-01.29-002

Extracted: 01/25/2005

Analyzed: 01/26/2005 09:02

LCSD 2005/01/25-01.29-003

Extracted: 01/25/2005

Analyzed: 01/26/2005 09:02

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
TSS	1010	1020	1000	101.0	102.0	1.0	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

01/27/2005 08:09

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	01/19/2005 12:50	Water	1
MID-1	01/19/2005 12:45	Water	2
MID-2	01/19/2005 12:40	Water	3
EFFL	01/19/2005 12:30	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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: INF	Lab ID: 2005-01-0557 - 1
Sampled: 01/19/2005 12:50	Extracted: 1/27/2005 01:27
Matrix: Water	QC Batch#: 2005/01/26-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	84	50	ug/L	1.00	01/27/2005 01:27	
Benzene	ND	0.50	ug/L	1.00	01/27/2005 01:27	
Toluene	ND	0.50	ug/L	1.00	01/27/2005 01:27	
Ethylbenzene	ND	0.50	ug/L	1.00	01/27/2005 01:27	
Total xylenes	ND	1.0	ug/L	1.00	01/27/2005 01:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/27/2005 01:27	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	01/27/2005 01:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/27/2005 01:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/27/2005 01:27	
tert-Amyl methyl ether (TAME)	0.71	0.50	ug/L	1.00	01/27/2005 01:27	
Surrogate(s)						
1,2-Dichloroethane-d4	106.5	73-130	%	1.00	01/27/2005 01:27	
Toluene-d8	101.3	81-114	%	1.00	01/27/2005 01:27	

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

02/04/2005 09:45

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-1	Lab ID:	2005-01-0557 - 2
Sampled:	01/19/2005 12:45	Extracted:	1/25/2005 16:12
Matrix:	Water	QC Batch#:	2005/01/25-1D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	01/25/2005 16:12	
Benzene	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Toluene	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Ethylbenzene	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Total xylenes	ND	1.0	ug/L	1.00	01/25/2005 16:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/25/2005 16:12	
Methyl tert-butyl ether (MTBE)	2.2	0.50	ug/L	1.00	01/25/2005 16:12	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/25/2005 16:12	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/25/2005 16:12	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/25/2005 16:12	
Surrogate(s)						
1,2-Dichloroethane-d4	118.2	73-130	%	1.00	01/25/2005 16:12	
Toluene-d8	107.6	81-114	%	1.00	01/25/2005 16:12	

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

02/04/2005 09:45

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID-2	Lab ID: 2005-01-0557 - 3
Sampled: 01/19/2005 12:40	Extracted: 1/25/2005 16:30
Matrix: Water	QC Batch#: 2005/01/25-1D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	01/25/2005 16:30	
Benzene	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Toluene	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Ethylbenzene	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Total xylenes	ND	1.0	ug/L	1.00	01/25/2005 16:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/25/2005 16:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/25/2005 16:30	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/25/2005 16:30	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/25/2005 16:30	
Surrogate(s)						
1,2-Dichloroethane-d4	119.9	73-130	%	1.00	01/25/2005 16:30	
Toluene-d8	106.9	81-114	%	1.00	01/25/2005 16:30	

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

02/04/2005 09:45

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2005-01-0557 - 4
Sampled:	01/19/2005 12:30	Extracted:	1/25/2005 16:49
Matrix:	Water	QC Batch#:	2005/01/25-1D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	01/25/2005 16:49	
Benzene	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Toluene	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Ethylbenzene	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Total xylenes	ND	1.0	ug/L	1.00	01/25/2005 16:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/25/2005 16:49	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	01/25/2005 16:49	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	01/25/2005 16:49	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	01/25/2005 16:49	
Surrogate(s)						
1,2-Dichloroethane-d4	119.2	73-130	%	1.00	01/25/2005 16:49	
Toluene-d8	107.8	81-114	%	1.00	01/25/2005 16:49	

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: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/01/25-1D.69-017

Water

Test(s): 8260B

QC Batch # 2005/01/25-1D.69

Date Extracted: 01/25/2005 09:17

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/25/2005 09:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/25/2005 09:17	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	01/25/2005 09:17	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	01/25/2005 09:17	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	01/25/2005 09:17	
Benzene	ND	0.5	ug/L	01/25/2005 09:17	
Toluene	ND	0.5	ug/L	01/25/2005 09:17	
Ethylbenzene	ND	0.5	ug/L	01/25/2005 09:17	
Total xylenes	ND	1.0	ug/L	01/25/2005 09:17	
Surrogates(s)					
1,2-Dichloroethane-d4	98.0	73-130	%	01/25/2005 09:17	
Toluene-d8	97.8	81-114	%	01/25/2005 09:17	

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

02/04/2005 09:45

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: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/01/26-2B.69

MB: 2005/01/26-2B.69-042

Date Extracted: 01/26/2005 18:44

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/26/2005 18:44	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/26/2005 18:44	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	01/26/2005 18:44	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	01/26/2005 18:44	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	01/26/2005 18:44	
Benzene	ND	0.5	ug/L	01/26/2005 18:44	
Toluene	ND	0.5	ug/L	01/26/2005 18:44	
Ethylbenzene	ND	0.5	ug/L	01/26/2005 18:44	
Total xylenes	ND	1.0	ug/L	01/26/2005 18:44	
Surrogates(s)					
1,2-Dichloroethane-d4	96.6	73-130	%	01/26/2005 18:44	
Toluene-d8	100.0	81-114	%	01/26/2005 18:44	

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: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/25-1D.69

LCS 2005/01/25-1D.69-058

Extracted: 01/25/2005

Analyzed: 01/25/2005 08:58

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.9		25	103.6			65-165	20		
Benzene	24.7		25	98.8			69-129	20		
Toluene	23.2		25	92.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	455		500	91.0			73-130			
Toluene-d8	475		500	95.0			81-114			

Severn Trent Laboratories, Inc.

02/04/2005 09:45

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

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: 38487015
BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/01/26-2B.69			
LCS	2005/01/26-2B.69-025		Extracted: 01/26/2005			Analyzed: 01/26/2005 18:25			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	19.8		25	79.2			65-165	20		
Benzene	24.1		25	96.4			69-129	20		
Toluene	24.3		25	97.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471		500	94.2			73-130			
Toluene-d8	524		500	104.8			81-114			

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/01/25-1D.69

MS/MSD

Lab ID: 2005-01-0520 - 001

MS: 2005/01/25-1D.69-016

Extracted: 01/25/2005

Analyzed: 01/25/2005 10:17

Dilution: 1.00

MSD: 2005/01/25-1D.69-036

Extracted: 01/25/2005

Analyzed: 01/25/2005 10:36

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	23.8	25.7	ND	25	95.2	102.8	7.7	65-165	20		
Benzene	23.2	23.0	ND	25	92.8	92.0	0.9	69-129	20		
Toluene	24.1	24.6	ND	25	96.4	98.4	2.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	538	542		500	107.6	108.4		73-130			
Toluene-d8	538	526		500	107.6	105.2		81-114			

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

02/04/2005 09:45

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: 38487015

BP 608

Received: 01/21/2005 13:00

Site: 17601 Hesperian Blvd, San Lorenzo, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/01/26-2B.69

MS/MSD

Lab ID: 2005-01-0562 - 005

MS: 2005/01/26-2B.69-010

Extracted: 01/26/2005

Analyzed: 01/26/2005 20:10

Dilution: 1.00

MSD: 2005/01/26-2B.69-028

Extracted: 01/26/2005

Analyzed: 01/26/2005 20:28

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	21.9	25.3	4.88	25	68.1	81.7	18.2	65-165	20		
Benzene	18.2	20.4	ND	25	72.8	81.6	11.4	69-129	20		
Toluene	19.5	21.3	ND	25	78.0	85.2	8.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	480	501		500	96.0	100.2		73-130			
Toluene-d8	495	508		500	99.0	101.6		81-114			

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

02/04/2005 09:45

STL San Francisco

Sample Receipt Checklist

Submission #: 2005- 01 - 0557

Checklist completed by: (initials) MA Date: 01/22/05

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples Yes ___ No ___ Not Present

Chain of custody present? Yes No ___

Chain of custody signed when relinquished and received? Yes No ___

Chain of custody agrees with sample labels? Yes ___ No

Samples in proper container/bottle? Yes No ___

Sample containers intact? Yes No ___

Sufficient sample volume for indicated test? Yes No ___

All samples received within holding time? Yes No ___

Container/Temp Blank temperature in compliance (4° C + 2)? Temp: 2° C Yes No ___

Potential reason for > 6°C - Ice melted: Ice in bags Not enough ice Not enough blue ice Samples in boxes

Sampled < 4hr. ago? Ice not required (e.g. air or bulk sample) Ice Present Yes No ___

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: Mid-1 1 vial w/ small bubble - INF 1 vial w/ small bubble - Triphosphate 1 vial w/ small bubble. received 2 triphosphates.

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

Project Manager: (initials) _____ Date: 1 / 22 / 05

Client contacted: Yes No

Summary of discussion: _____

Corrective Action (per PM/Client): _____



2005-01-0557

99649

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
 BP BU/AR Region/Enfos Segment: Retail
 State or Lead Regulatory Agency: Oro Loma Sanitary District
 Requested Due Date (mm/dd/yy): 2/2/05

On-site Time:	<u>1200</u>	Temp:	<u>60</u>
Off-site Time:	<u>1330</u>	Temp:	<u>60</u>
Sky Conditions:	<u>Sunny</u>		
Meteorological Events:	<u>None</u>		
Wind Speed:	<u>N/A</u>	Direction:	<u>N/A</u>

Lab Name:	<u>STL-SF (Pleasanton)</u>	BP/AR Facility No.:	<u>608</u>	Consultant/Contractor:	<u>URS Oakland</u>
Address:	<u>1220 Quarry Lane Pleasanton, CA 94566</u>	BP/AR Facility Address:	<u>17601 Hesperian Blvd, San Lorenzo, CA</u>	Address:	<u>1333 Broadway, #300 Oakland, CA 94612</u>
Lab PM:	<u>Afsaneh Salimpour</u>	California Global ID No.:	<u>T000100085</u>	Consultant/Contractor Project No.:	<u>38487015</u>
Tele/Fax:	<u>925.484.1919/925.484.1096</u>	Enfos Project No.:	<u>38487015</u>	Consultant/Contractor PM:	<u>Scott Robinson</u>
BP/AR PM Contact:	<u>Paul Supple</u>	Provision or RCOP (circle one)		Tele/Fax:	<u>510-893-3600/510-874-3268</u>
Address:	<u>P.O. Box 6549 Moraga, CA 94570</u>	Phase/WBS:		Report Type & QC Level:	<u>Normal</u>
Tele/Fax:	<u>925.299.8891/925.299.8872</u>	Sub Phase/Task:		Email EDD:	<u>scott.robinson and michael.greenberg, @urcorp.com</u>
		Coal Element:		Invoice to:	<u>Consultant or BP or Atlantic Richfield Co. (circle one)</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comment		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	BTEX 3021	BTEX/TPH	BTEX/Oxy/TPH	EPA 8260	EPA 8270		COD (410-4)	TSS (160.2)
1	INF	1230	1/19	X				3			X				X						
2	MID-1	1245	1/19	X				3			X				X						
3	MID-2	1240	1/19	X				3			X				X						
4	EFFL	1230	1/19	X				3			X				X						
5	EFFL	1230	1/19	X				1	X						X						NO EDF
6	EFFL	1230	1/19	X				1	X						X						
7	Trip blank	1200	1/19	X																	on hold
8																					
9																					
10																					

Sampler's Name:	<u>George Bradshaw</u>	Relinquished By / Affiliation	<u>[Signature]</u>	Date	<u>1/21/05</u>	Accepted By / Affiliation	<u>[Signature]</u>	Date	<u>1/21/05</u>	Time	<u>1205</u>
Sampler's Company:	<u>URS CORPORATION</u>				<u>1/21/05</u>				<u>0950</u>		
Shipment Date:	<u>12/20/05</u>				<u>01/21/05</u>				<u>1300</u>		
Shipment Method:											
Shipment Tracking No.:											

Special Instructions: GRO, BTEX & MTBE by EPA Method 8260B

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 2°F Trip Blank Yes No



1 February, 2005

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

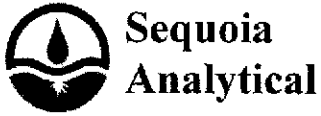
RE: ARCO #0608, San Lorenzo, CA
Work Order: MOA0783

Enclosed are the results of analyses for samples received by the laboratory on 01/26/05 08:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210



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

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: ARCO #0608, San Lorenzo, CA Project Number: 38487015 Project Manager: Scott Robinson	MOA0783 Reported: 02/01/05 18:37
---	---	--

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOA0783-01	Water	01/19/05 12:30	01/26/05 08:55

These samples were received with no custody seals.



URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: ARCO #0608, San Lorenzo, CA Project Number: 38487015 Project Manager: Scott Robinson	MOA0783 Reported: 02/01/05 18:37
---	---	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MOA0783-01) Water Sampled: 01/19/05 12:30 Received: 01/26/05 08:55									
Chemical Oxygen Demand	ND	30000	ug/l	1	5B01037	02/01/05	02/01/05	EPA 410.4	

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: ARCO #0608, San Lorenzo, CA
 Project Number: 38487015
 Project Manager: Scott Robinson

 MOA0783
 Reported:
 02/01/05 18:37

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5B01037 - General Preparation / EPA 410.4										
Blank (5B01037-BLK1)										
Chemical Oxygen Demand	ND	30000	ug/l							Prepared & Analyzed: 02/01/05
Laboratory Control Sample (5B01037-BS1)										
Chemical Oxygen Demand	89000	30000	ug/l	100000		89	80-124			Prepared & Analyzed: 02/01/05
Matrix Spike (5B01037-MS1)										
Chemical Oxygen Demand	107000	33000	ug/l	111000	ND	96	80-124			Source: MOA0783-01 Prepared & Analyzed: 02/01/05
Matrix Spike Dup (5B01037-MSD1)										
Chemical Oxygen Demand	98900	33000	ug/l	111000	ND	89	80-124	8	23	Source: MOA0783-01 Prepared & Analyzed: 02/01/05

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: ARCO #0608, San Lorenzo, CA
Project Number: 38487015
Project Manager: Scott Robinson

MOA0783
Reported:
02/01/05 18:37

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

Date Shipped: 1/21/2005

Chain of Custody

2005-01-0557 - 1

From: STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94588-4756

17040783

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

MH

Project Manager: Afsaneh Salimpour
Phone: (925) 484-1919 Ext: 107
Fax: (925) 484-1095
Email: asalimpour@s3-kic.com

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

CL Submission #: 2005-01-0557 Project #: 38487015
CL PO #: Project Name: Northern California BP waters

Client Sample ID	Analysis	Sampled	Matrix
			Method
EFFL	4	1/19/2005 12:30:00PM	Water
Subcontract - COD			410.4 5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.

Signature: *[Signature]* Time: 15:00
 Printed Name: Brian Thomas Date: 1/24/05
 Company: STD-SF

RELINQUISHED BY: 2.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RELINQUISHED BY: 3.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RECEIVED BY: 1.

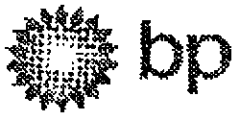
Signature: *[Signature]* Time: 8:55
 Printed Name: Pamela Diet Date: 01/24/05
 Company: Seq-MH

RECEIVED BY: 2.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

RECEIVED BY: 3.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____



2005-01-0557

99649

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
 BP BUIAR Region/Enfos Segment: Retail
 State or Lead Regulatory Agency: Oro Loma Sanitary District
 Requested Due Date (mm/dd/yy): 2/2/05

On-site Time: <u>12:00</u>	Temp: <u>60</u>
Off-site Time: <u>1:35</u>	Temp: <u>60</u>
Sky Conditions: <u>Sunny</u>	
Meteorological Events: <u>None</u>	
Wind Speed: <u>N/A</u>	Direction: <u>N/A</u>

Lab Name: <u>STL-SF (Pleasanton)</u>	BP/AR Facility No.: <u>608</u>	Consultant/Contractor: <u>URS Oakland</u>
Address: <u>1220 Quarry Lane</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd, San Lorenzo, CA</u>	Address: <u>1333 Broadway, #800</u>
<u>Pleasanton, CA 94566</u>	Site Lab/Long:	<u>Oakland, CA 94612</u>
Lab PM: <u>Afaneh Safimpour</u>	California Global ID No.: <u>T000100085</u>	Consultant/Contractor Project No.: <u>38487015</u>
Tel/Fax: <u>925.484.1919/925.484.1096</u>	Enfos Project No.: <u>38487015</u>	Consultant/Contractor PM: <u>Scott Robinson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or RCOP (circle one)	Tel/Fax: <u>510-893-3600/510-874-3268</u>
Address: <u>P.O. Box 6549</u>	Phase/WBS:	Report Type & QC Level: <u>Normal</u>
<u>Moraga, CA 94570</u>	Sub Phase/Task:	Email ADD: <u>scott.robinson and michael.greenberg_@urscorp.com</u>
Tel/Fax: <u>925.209.8891/925.209.8872</u>	Cost Element:	Invoice to: <u>Consultant or HP or Atlantic Richfield Co. (circle one)</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comment	
				Soil/Solid	Water/Liquid	Air			Unpreserved	Pt-SO ₄	HNO ₃	HCl	Methanol	BTEX 8021	BTEX/THF	BTEX/OTPE	EPA 8160	EPA 8270		COD (410.4)
1	TNU	12:50	1/19	X				1												
2	MID-1	12:45	1/19	X				3												
3	MID-2	12:40	1/19	X				3												
4	UFFL	12:30	1/19	X				3												
5	UFFL	12:30	1/19	X				1	X							X				NO EDF
6	UFFL	12:30	1/19	X				1	X							X				
7	Trip blank	12:00	1/19	X																on hold
8																				
9																				
10																				

Sampler's Name: <u>George Kraushaar</u>	Requested By / Affiliation:	Date:	Time:	Accepted By / Affiliation:	Date:	Time:
Sampler's Company: <u>URS CORPORATION</u>	<u>[Signature]</u>	<u>1/20/05</u>	<u>12:00</u>	<u>[Signature]</u>	<u>1/20/05</u>	<u>12:05</u>
Shipment Date: <u>12/26/05</u>	<u>[Signature]</u>	<u>1/20/05</u>	<u>09:50</u>	<u>[Signature]</u>	<u>1/21/05</u>	<u>09:50</u>
Shipment Method:	<u>[Signature]</u>	<u>1/21/05</u>	<u>12:00</u>	<u>[Signature]</u>	<u>1/21/05</u>	<u>12:00</u>
Shipment Tracking No:						

Special Instructions: GRO, BTEX & MTBE by EPA Method 8160B

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 2 °C Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: SNL SF
 REC. BY (PRINT): .. No
 WORKORDER: 14040723

DATE REC'D AT LAB: 2/12/05
 TIME REC'D AT LAB: 8:55
 DATE LOGGED IN: 1-28-05

For Regulatory Purposes?
 DRINKING WATER YES / NO
 WASTE WATER YES / NO

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <input checked="" type="checkbox"/> Absent Intact / Broken*			EPFL	SUM 1	H ₂ O ₄	-	W	2/12/05	<div style="font-size: 2em; transform: rotate(-45deg);"> 2/12/05 </div>
2. Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent*									
3. Traffic Reports or Packing List: <input checked="" type="checkbox"/> Present / Absent									
4. Airbill: <input checked="" type="checkbox"/> Airbill / Slicker <input checked="" type="checkbox"/> Present / Absent									
5. Airbill #: <u>01001014548736</u>									
6. Sample Labels: <input checked="" type="checkbox"/> Present / Absent									
7. Sample IDs: <input checked="" type="checkbox"/> Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: <input checked="" type="checkbox"/> Intact / Broken* / Loaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="checkbox"/> Yes / No*									
10. Sample received within hold time? <input checked="" type="checkbox"/> Yes / No*									
11. Adequate sample volume received? <input checked="" type="checkbox"/> Yes / No*									
12. Proper Preservatives used? <input checked="" type="checkbox"/> Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) <u>N/A</u> - Yes / <input checked="" type="checkbox"/> No									
14. Temp Rec. at Lab: Is temp 4 ± 2°C? <u>2.0°C</u> <input checked="" type="checkbox"/> Yes / No**									

(Acceptance range for samples requiring thermal pres.)
 **Exception (if any): METALS / DFF ON ICE
 or Problem COC

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

ATTACHMENT B
OPERATION AND MAINTENANCE FIELD LOGS

Date: 1/5/05

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>41111</u>	HOUR METER READING (hrs)	<u>18062.2</u>
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MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>4033820</u>	<u>4033833</u>
FILTER INLET PRESSURE (psig)	<u>17.0</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>15.0</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig) <u>#3</u>	<u>10.0</u> <u>4.5</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

PART B: COMMENTS Changed Bag Filters
Sampling on 1/19-20/05

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01/07/05

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 1/20/04 COMPLETED

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 1/20/04

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)	Yes
PUMP AMP DRAW	N/A	H2O2 injection well EA-1 (if necessary)	N/A
SWEPT ENCLOSURE	No		

PART G: SYSTEM MAINTENANCE II (Quarterly)

TEST ALARM SWITCHES	Yes	BACKFLUSH CARBONS	N/A
CLEAN TOTALIZERS	Yes		

Date: 1/19/05

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? Yes (if no, specify reason in comments)

ELECTRIC METER READING (kw hrs)	<u>41308</u>	HOUR METER READING (hrs)	<u>18396.1</u>
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MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>4,063,602</u>	<u>4,063,710</u>
FILTER INLET PRESSURE (psig)	<u>15</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>14.3</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>#2 9.6</u> <u>#3 4.0</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

PART B: COMMENTS

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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-gasoline, BTEX compounds, MtBE	1/19
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	1/19
MID-1	TPH-gasoline, BTEX compounds, MtBE	1/19
MID-2	TPH-gasoline, BTEX compounds, MtBE	1/19

PART E: READINGS (Monthly)

EFFLUENT	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
	19.7°C	1050 us	6.78	1.26

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	No
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	N/A
CLEAN TOTALIZERS	Yes		



Chain of Custody Record

Project Name: Station 608 - O&M - Remediation / Environmental
 BP BU/AR Region/Enfos Segment: Retail
 State or Lead Regulatory Agency: Oro Loma Sanitary District
 Requested Due Date (mm/dd/yy): 2/2/05

On-site Time:	<u>1200</u>	Temp:	<u>60</u>
Off-site Time:	<u>1330</u>	Temp:	<u>60</u>
Sky Conditions:	<u>Sunny</u>		
Meteorological Events:	<u>None</u>		
Wind Speed:	<u>N/A</u>	Direction:	<u>N/A</u>

Lab Name:	<u>STL-SF (Pleasanton)</u>	BP/AR Facility No.:	<u>608</u>	Consultant/Contractor:	<u>URS Oakland</u>
Address:	<u>1220 Quarry Lane Pleasanton, CA 94566</u>	BP/AR Facility Address:	<u>17601 Hesperian Blvd, San Lorenzo, CA</u>	Address:	<u>1333 Broadway, #800 Oakland, CA 94612</u>
Lab PM:	<u>Afsaneh Salimpour</u>	California Global ID No.:	<u>T000100085</u>	Consultant/Contractor Project No.:	<u>38487015</u>
Tele/Fax:	<u>925.484.1919/925.484.1096</u>	Enfos Project No.:	<u>38487015</u>	Consultant/Contractor PM:	<u>Scott Robinson</u>
BP/AR PM Contact:	<u>Paul Supple</u>	Provision or RCOP (circle one)		Tele/Fax:	<u>510-891-3600/510-874-3268</u>
Address:	<u>P.O. Box 6549 Moraga, CA 94570</u>	Phase/WBS:		Report Type & QC Level:	<u>Normal</u>
Tele/Fax:	<u>925.299.8891/925.299.8872</u>	Sub Phase/Task:		Email EDD:	<u>scott.robinson and michael.greenberg, @urscorp.com</u>
Lab Bottle Order No.:		Cost Element:		Invoice to:	<u>Consultant or BP or Atlantic Richfield Co. (circle one)</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis							Sample Point Lat/Long and Comment					
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	BTEX 8021	BTEX/TPH	FTEX/Oxy/TPH	EPA 8260	EPA 8270	COD (410.4)	TSS (160.2)						
1	INP	1250	1/19	X				3																		
2	MID-1	1245	1/19	X				3																		
3	MID-2	1240	1/19	X				3																		
4	EFFL	1230	1/19	X				3																		
5	BFPL	1230	1/19	X				1		X															NO EDF	
6	EFFL	1230	1/19	X				1	X																	
7	Trip blank	1200	1/19	X																					on hold	
8																										
9																										
10																										

Sampler's Name:	<u>George Bradshaw</u>	Acquired By / Affiliation:	<u>[Signature]</u>	Date:	<u>1/20/05</u>	Time:	<u>12:30</u>	Accepted By / Affiliation:	<u>[Signature]</u>	Date:	<u>1-20-05</u>	Time:	<u>1:15</u>
Sampler's Company:	<u>URS CORPORATION</u>												
Shipment Date:	<u>12/2/05</u>												
Shipment Method:													
Shipment Tracking No.:													
Special Instructions:	<u>GRO, BTEX & MTBE by EPA Method 8260B</u>												

Custody Seals in Place Yes No Temp Blank Yes No Cooler Temperature on Receipt: °F/C Trip Blank Yes No

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

Date: 2/2/05

Arrival: 1330
 Depart: 1430

System Description:

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>41501 kw.h.</u>	HOUR METER READING (hrs)	<u>18733.5</u>
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MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>4,091,628</u>	<u>4,091,639</u>
FILTER INLET PRESSURE (psig)	<u>18.0</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>15.8</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>10.0</u>	(ideal range: 1 to 4 psig)
<u>#3 Inlet</u> DISCHARGE PRESSURE (psig)	<u>4.5</u>	(ideal range: 0 to 2 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

PART B: COMMENTS System Average 1,994 gal/day (1.4 gpm)

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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	
SPI-V4		N/A	N/A	

PART D: SAMPLING (Monthly)

To Be Completed 2/16/05

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 2/16/05

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)	Yes
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		