



May 26, 2005

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

ARCOS
MAY 25 2005
Environmental Health

**Re: Monthly Discharge Report – April 2005
Discharge Permit #SDP-037
ARCO Service Station #0608
17601 Hesperian Boulevard
San Lorenzo, California
State ID #779**

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 March 30, 2005 through May 4, 2005 (Tables 1 and 2). Operational parameters are summarized below.

<i>Treatment System Status:</i>	<i>Operational through 5/4/05</i>
<i>Reporting Period:</i>	<i>3/30/05 to 5/4/05</i>
<i>Volume Discharged this period:</i>	<i>94,423 gallons</i>
<i>Effluent pH Reading:</i>	<i>6.66</i>
<i>Average Flow Rate this period:</i>	<i>1.34 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 April 20, 2005, and analyzed for gasoline range organics, benzene, toluene, ethylbenzene, total xylenes, and fuel additives by EPA Method 8260B. Methyl tert butyl ether was detected at or above the laboratory reporting limit in the influent sample and the sample collected between the primary and secondary carbon vessels at concentrations of 19 µg/L and 2.4 µg/L, respectively. No other fuel components were detected at or above their respective laboratory reporting limits this month.

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 510-874-3019.

Sincerely,

URS CORPORATION

Donna Cospers, E.I.T.
Senior 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 uploaded 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 ^(k) (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
06/05/00	a 29593.0		96.64	979,800	3,200	3,200	2.1
06/19/00	29896.0		9.82	1,052,390	72,590	75,790	4.0
06/28/00	30062.4		22.96	1,082,340	29,950	105,740	3.0
07/08/00	30352.0		0.00	1,131,560	49,220	154,960	2.8
07/26/00	30749.0		8.10	1,196,420	64,860	219,820	2.7
08/07/00	30955.0		28.47	1,228,020	31,600	251,420	2.6
08/29/00	31309.3		32.90	1,276,650	48,630	300,050	2.3
09/08/00	31528.0		8.87	1,306,300	29,650	329,700	2.3
09/28/00	32010.7		0.00	1,368,410	62,110	391,810	2.1
10/28/00	32638.2		12.85	1,444,183	75,773	467,583	2.0
11/30/00	33398.8		3.96	1,534,960	90,777	558,360	2.0
12/28/00	33760.7		46.15	1,576,520	41,560	599,920	1.9
01/04/01	33924.0		2.80	1,595,340	18,820	618,740	1.9
02/06/01	34556.4		20.15	1,672,330	76,990	695,730	2.0
03/08/01	34776.0		69.50	1,698,860	26,530	722,260	2.0
03/24/01	35088.3		18.67	1,741,170	42,310	764,570	2.3
04/05/01	35310.1		22.99	1,767,530	26,360	790,930	2.0
04/18/01	35334.6		92.15	1,770,860	3,330	794,260	2.3
05/04/01	35715.5		0.81	1,812,690	41,830	836,090	1.8
06/09/01	36345.1		27.13	1,879,710	67,020	903,110	1.8
07/05/01	b 36469.3		80.10	1,897,180	17,470	920,580	2.3
07/28/01	36821.0		36.29	1,928,250	31,070	951,650	1.5
08/14/01	c 36821.8		99.80	1,928,510	260	951,910	5.4
09/05/01	37218.8		24.81	1,977,050	48,540	1,000,450	2.0
10/05/01	37932.0		0.94	2,040,950	63,900	1,064,350	1.5
11/13/01	38819.8		5.15	2,119,670	78,720	1,143,070	1.5
12/11/01	39496.1		0.00	2,186,530	66,860	1,209,930	1.6
01/04/02	40062.9		1.60	2,248,700	62,170	1,272,100	1.8
01/31/02	40716.0		0.00	2,321,310	72,610	1,344,710	1.9
02/05/02	40829.6		5.33	2,333,090	11,780	1,356,490	1.7
02/25/02	40831.4		99.62	2,333,270	180	1,356,670	1.7
03/05/02	40967.7		29.01	2,353,460	20,190	1,376,860	2.5
04/08/02	41735.1		5.96	2,448,360	94,900	1,471,760	2.1
05/04/02	42362.0		-0.46	2,487,090	38,730	1,510,490	1.0
05/31/02	d 42832.0		27.47	2,503,380	16,290	1,526,780	0.6
08/19/02	44924.8		0.00	2,520,289	16,909	1,543,689	0.1
10/03/02	e 44956.0		97.11	2,520,582	293	1,543,982	N/A
10/07/02	e 44956.0		100.00	2,522,394	1,812	1,545,794	N/A
10/24/02	e 44956.0		100.00	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	336.4	45,292	0.00	2,527,945	20	1,551,345	0.00
12/05/02	g 478.5	45,435	57.71	2,528,113	168	1,551,513	0.02
12/18/02	g 787.7	45,744	0.90	2,555,895	27,782	1,579,295	1.50
01/03/02	g 1174.0	46,130	100.00	2,591,359	35,464	1,614,759	1.53
01/16/03	g 1486.2	46,442	96.56	2,625,812	34,453	1,649,212	1.84
02/13/03	g 2155.8	47,112	0.36	2,692,710	66,898	1,716,110	1.67
03/13/03	2831.5	47,788	0.00	2,758,948	66,238	1,782,348	1.63
03/27/03	3165.1	48,121	0.71	2,790,668	31,720	1,814,068	1.58
04/10/03	3500.2	48,456	0.27	2,828,060	37,392	1,851,460	1.86
04/24/03	3836.7	48,793	0.00	2,865,050	36,990	1,888,450	1.83
05/08/03	4171.5	49,128	0.36	2,900,937	35,887	1,924,337	1.79
05/22/03	h 4458.9	49,415	14.46	2,931,190	30,253	1,954,590	1.75
05/30/03	i 4458.9	49,415	100.00	2,931,190	0	1,954,590	0.00

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)
06/05/03	4606.4	49,562	0.00	2,946,180	14,990	1,969,580	1.69
06/19/03	4939.8	49,896	0.77	2,971,985	25,805	1,995,385	1.29
07/11/03	4939.8	49,896	100.00	2,971,985	0	1,995,385	0.00
07/24/03	5331.4	50,287	0.00	2,972,362	377	1,995,762	0.02
08/14/03	5830.6	50,787	0.95	3,013,517	41,532	2,036,917	0.78
08/28/03	6164.9	51,121	0.51	3,040,900	27,383	2,064,300	1.37
09/11/03	6503.1	51,459	0.00	3,067,641	26,741	2,091,041	1.32
09/25/03	6838.4	51,794	0.21	3,095,020	27,379	2,118,420	1.36
10/09/03	7175.6	52,132	0.00	3,122,624	81,724	2,146,024	1.35
10/23/03	7511.7	52,468	0.00	3,149,200	26,576	2,172,600	1.32
11/06/03	NA 1	NA	NA	NA	NA	NA	NA
11/20/03	8181.5	53,138	0.33	3,204,612	55,412	2,228,012	1.38
12/04/03	8518.1	53,474	0.00	3,233,956	29,344	2,201,944	0.49
12/18/03	8850.5	53,807	1.07	3,264,487	30,531	2,232,475	1.53
01/08/04	9356.3	54,312	0.00	3,312,485	47,998	2,276,010	1.58
01/22/04	9690.0	54,646	0.68	3,344,994	32,509	2,308,519	1.62
02/05/04	10025.8	54,982	0.06	3,377,510	32,516	2,341,035	1.61
02/19/04	10356.5	55,313	1.58	3,410,457	32,947	2,373,982	1.66
03/04/04	10695.4	55,651	0.00	3,446,501	36,044	2,410,026	1.77
03/18/04	11030.3	55,986	0.33	3,480,890	34,389	2,444,415	1.71
04/07/04	11509.2	56,465	0.23	3,524,179	43,289	2,487,704	1.51
04/22/04	11869.1	56,825	0.03	3,552,144	27,965	2,515,669	1.30
05/06/04	12206.1	57,162	0.00	3,579,927	27,783	2,543,452	1.37
05/19/04	12521.5	57,478	0.00	3,607,015	27,088	2,570,540	1.43
06/02/04	12853.0	57,809	1.34	3,635,580	28,565	2,599,105	1.44
06/16/04	13198.0	58,154	0.00	3,664,594	29,014	2,628,119	1.40
07/08/04	13714.7	58,671	2.14	3,708,440	43,846	2,671,965	1.41
07/22/04	14050.1	59,006	0.18	3,736,245	27,805	2,699,770	1.38
08/12/04	14553.6	59,510	0.10	3,777,215	40,970	2,740,740	1.36
08/26/04	14890.0	59,846	0.00	3,803,030	25,815	2,766,555	1.28
09/02/04	15058.1	60,014	0.00	3,811,977	8,947	2,775,502	0.89
09/16/04	15393.8	60,350	0.09	3,832,211	20,234	2,795,736	1.00
10/07/04	15901.5	60,858	0.00	3,867,732	35,521	2,831,257	1.17
10/21/04	16235.3	61,191	0.65	3,891,217	23,485	2,854,742	1.17
11/04/04	16572.1	61,528	0.00	3,917,240	26,023	2,880,765	1.29
11/18/04	16908.1	61,864	0.00	3,942,990	25,750	2,906,515	1.28
12/02/04	17242.2	62,198	0.57	3,967,880	24,890	2,931,405	1.24
12/16/04	17578.6	62,535	0.00	3,994,102	26,222	2,957,627	1.30
12/30/04	17915.0	62,871	0.00	4,020,937	26,835	2,984,462	1.33
01/05/05	18062.2	63,018	0.00	4,033,820	12,883	2,997,345	1.46
01/19/05	18396.1	63,352	0.63	4,063,602	29,782	3,027,127	1.49
02/02/05	18733.5	63,690	0.00	4,091,628	28,026	3,055,153	1.38
02/16/05	19068.0	64,024	0.45	4,117,922	26,294	3,081,447	1.31
03/02/05	19405.9	64,362	0.00	4,146,956	29,034	3,110,481	1.43
03/16/05	19740.7	64,697	0.36	4,175,328	28,372	3,138,853	1.41
03/30/05	20072.4	65,028	1.28	4,203,345	28,017	3,166,870	1.41
04/07/05	20262.7	65,219	0.89	4,219,430	16,085	3,182,955	1.41
04/20/05	20577.9	65,534	0.00	4,244,807	25,377	3,208,332	1.34
05/04/05	20915.2	65,871	0.00	4,269,751	24,944	3,233,276	1.23
REPORTING PERIOD:						3/30/05 to 5/4/05	
PERIOD AVERAGE FLOW RATE (gpm):							1.34
PERIOD VOLUME DISCHARGED (gallons):							94,423

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 ^a	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	66	NS	NS	NA	NA
3/27/03 ^a	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	71	NS	NS	NA	NA
4/24/03 ^a	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	56	NS	NS	NA	NA
5/30/03 ^a	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) ^b	NS	NS	NA	NA
08/28/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30 (40) ^b	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) ^b	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
02/16/05	ND<50 ^c	ND<0.50	ND<0.50	ND<0.50	ND<1.0	29	NS	NS	NA	NA
03/16/05	56 ^c	ND<0.50	ND<0.50	ND<0.50	ND<1.0	21	NS	NS	NA	NA
04/20/05	ND<50	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
Treatment System Analytical Data
 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
MID-1 (cont.)										
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 ^a	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	130	NS	NS	NA	NA
3/27/03 ^a	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	120	NS	NS	NA	NA
4/24/03 ^a	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	110	NS	NS	NA	NA
5/30/03 ^a	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) ^b	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
02/16/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.9	NS	NS	NA	NA
03/16/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.5	NS	NS	NA	NA
04/20/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	2.4	NS	NS	NA	NA

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

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

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

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer)										
09/26/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
10/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
11/22/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
12/19/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
01/16/91	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
02/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
03/17/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
04/15/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
05/14/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
06/19/92	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3	NS	NS	NS	NA	NA
07/14/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/15/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/16/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/18/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/17/92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/22/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/09/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/04/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/20/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/16/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
09/13/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
10/08/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
11/19/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
12/21/93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
01/18/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
02/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
03/15/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
04/21/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
05/13/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
06/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
07/14/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
08/17/94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	NA	NA
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 ^a	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 ^a	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 ^a	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 ^a	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) ^b	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
02/16/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<20	6.61	2.01
03/16/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<20	6.48	0.75
04/20/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<20	6.66	0.67

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:

a =Analyzed with EPA Method 8260

b =MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).

c = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

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**



4 May, 2005

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MOD0626

Enclosed are the results of analyses for samples received by the laboratory on 04/26/05 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210



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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0005
Project Manager: Scott Robinson

MOD0626
Reported:
05/04/05 10:13

ANALYTICAL REPORT FOR SAMPLES

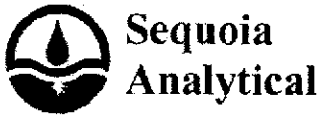
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	MOD0626-01	Water	04/20/05 11:45	04/26/05 10:30

These samples were received with intact custody seals.

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0005 Project Manager: Scott Robinson	MOD0626 Reported: 05/04/05 10:13
---	---	--

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
EFFL (MOD0626-01) Water Sampled: 04/20/05 11:45 Received: 04/26/05 10:30									
Chemical Oxygen Demand	ND	30000	ug/l	1	5D28042	04/28/05	04/28/05	EPA 410.4	



URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0005 Project Manager: Scott Robinson	MOD0626 Reported: 05/04/05 10:13
---	---	--

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 5D28042 - General Preparation / EPA 410.4

Blank (5D28042-BLK1)				Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (5D28042-BS1)				Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	117000	30000	ug/l	100000	160000	117	75-120			
Matrix Spike (5D28042-MS1)				Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	286000	33000	ug/l	111000	160000	114	75-120			
Matrix Spike Dup (5D28042-MSD1)				Prepared & Analyzed: 04/28/05						
Chemical Oxygen Demand	293000	33000	ug/l	111000	160000	120	75-120	2	15	



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

Project:ARCO #0608, San Lorenzo, CA
Project Number:G0C24-0005
Project Manager:Scott Robinson

MOD0626
Reported:
05/04/05 10:13

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



2005-04-0711 (MOD0626)

114489 Page 1 of 1

Chain of Custody Record

Project Name: Station 608 - O&M - Remediation
 BP BU/AR Region/Enfos Segment: Retail
 State or Lead Regulatory Agency: Oro Loma Sanitary District
 Requested Due Date (mm/dd/yy): 5/5/05
 (14-day TAT)

On-site Time: 1100	Temp: 69
Off-site Time: 1230	Temp: 72
Sky Conditions: Sunny	
Meteorological Events: None	
Wind Speed: N/A	Direction: N/A

Lab Name: STL-SF (Pleasanton)	BP/AR Facility No.: Station 608	Consultant/Contractor: URS Oakland
Address: 1220 Quarry Lane Pleasanton CA	BP/AR Facility Address: 17601 Hesperian Blvd, San Lorenzo	Address: 1333 Broadway, Suite 800 Oakland CA 94612
Lab PM: Afsaneh Salimpour	Site Lat/Long:	Consultant/Contractor Project No.: 38487015
Tele/Fax: 925.484.1919/925.484.1096	California Global ID No.: T000100085	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Enfos Project No.: GOC24-0005	Tele/Fax: 510.893.3600/510.874.3268
Address: P.O. Box 6349 Moraga CA 94570	Provision or RCOP: Provision	Report Type & QC Level: Level 1 and EDF
Tele/Fax: 925.299.8891/925.299.8872	Phase/WBS: 03 - O&M	E-mail EDD To: Donna.Casper@urscorp.com
	Sub Phase/Task: 03 - Analytical	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element: 05 - Subcontractor Costs	

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/Oxy/TPH (\$260)	COD (410.4)	TSS (160.2)		
1	INF	1200	4/19	X			3			X			X					
2	MID-1	1155	4/19	X			3			X			X					
3	MID-2	1150	4/19	X			3			X			X					
4	BFPL	1145	4/19	X			3			X			X					
5	BFPL	1145	4/19	X			1	X					X					
6	BFPL	1145	4/19	X			1	X	X				X					
7	TRIP BLANK	1100	4/19	X			3			X								on hold
8																		
9																		
10																		

Sampler's Name: George Brookshaw	Released By / Affiliation: [Signature]	Date: 4/19/05	Time: 1145	Accepted By / Affiliation: [Signature]	Date: 4-21	Time: 1145
Sampler's Company: URS CORPORATION	[Signature]	Date: 4/19/05	Time: 1100	[Signature]	Date: 4/22	Time: 1100
Shipment Date: 4/19/05	[Signature]	Date: 4/19/05	Time: 1100	[Signature]	Date: 4/22	Time: 1100
Shipment Method: SAO-STL	[Signature]	Date: 4/19/05	Time: 1700	[Signature]	Date: 4/22	Time: 1700
Shipment Tracking No:	[Signature]	Date: 4/19/05	Time: 1700	[Signature]	Date: 4/22	Time: 1700

Special Instructions:

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: STL SF. / WRS
 REC. BY (PRINT) L. Poulak
 WORKORDER: MO20626

DATE REC'D AT LAB: 4-26-05
 TIME REC'D AT LAB: 10:30
 DATE LOGGED IN: 4-26-05

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) <input checked="" type="radio"/> Present / Absent <input checked="" type="radio"/> Intact / Broken*			EFFL	500ml poly H ₂ SO ₄		2	L	4-20-05	/
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*									
3. Traffic Reports or Packing List: <input checked="" type="radio"/> Present / Absent									
4. Airbill: <input checked="" type="radio"/> Airbill / Sticker <input checked="" type="radio"/> Present / Absent									
5. Airbill #: <u>6719 7541 4525</u>									
6. Sample Labels: <input checked="" type="radio"/> Present / Absent									
7. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No*									
10. Sample received within hold time? <input checked="" type="radio"/> Yes / No*									
11. Adequate sample volume received? <input checked="" type="radio"/> Yes / No*									
12. Proper Preservatives used? <input checked="" type="radio"/> Yes / No*									
13. Trip Blank <input checked="" type="radio"/> Temp Blank Received? (circle which, if yes) <input checked="" type="radio"/> Yes / No*									
14. Temp Rec. at Lab: <u>28°C</u> Is temp 4 +/-2°C? <input checked="" type="radio"/> 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.

URS-Oakland, CA

May 10, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015

Project: Station 608-O&M-Remediation

Site: 17601 Hesperian Blvd., San Lorenzo

Attached is our report for your samples received on 04/22/2005 17:00
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

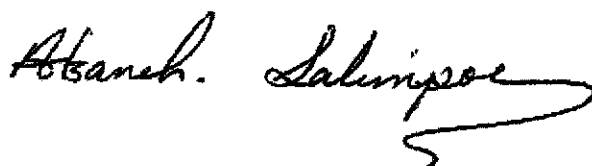
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
06/06/2005 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

May 10, 2005

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: 38487015

Project: Station 608-O&M-Remediation

Site: 17601 Hesperian Blvd., San Lorenzo

Case Narrative

General and Sample Comments

We (STL San Francisco) received 5 Water samples , on Friday, April 22, 2005
5:00 PM.

Analysis Comments and Flags by QC Batch

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Water	QC Batch#: 200505031A66
---	-------	-------------------------

INF	2005040711 001
Compound Flag(s)	
LW	Quantit. of unknown hydrocarbon(s) in sample based on gasoline
MID-1	2005040711 002
Compound Flag(s)	
LW	Quantit. of unknown hydrocarbon(s) in sample based on gasoline
MID-2	2005040711 003
Compound Flag(s)	
LW	Quantit. of unknown hydrocarbon(s) in sample based on gasoline
EFFL	2005040711 004
Compound Flag(s)	
LW	Quantit. of unknown hydrocarbon(s) in sample based on gasoline

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	04/20/2005 11:45	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

05/03/2005 21:31

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 160.2	Test(s): 160.2
Sample ID: EFFL	Lab ID: 2005-04-0711 - 4
Sampled: 04/20/2005 11:45	Extracted: 4/25/2005 13:25
Matrix: Water	QC Batch#: 2005/04/25-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	20	mg/L	1.00	04/26/2005 08:18	

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 160.2

Method Blank

MB: 2005/04/25-01.29-001

Water

Test(s): 160.2

QC Batch # 2005/04/25-01.29

Date Extracted: 04/25/2005 13:25

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	20	mg/L	04/26/2005 08:13	

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 160.2

Test(s): 160.2

Laboratory Control Spike

Water

QC Batch # 2005/04/25-01.29

LCS 2005/04/25-01.29-002

Extracted: 04/25/2005

Analyzed: 04/26/2005 08:16

LCSD 2005/04/25-01.29-003

Extracted: 04/25/2005

Analyzed: 04/26/2005 08:14

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
TSS	875	919	1000	87.5	91.9	4.9	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

05/03/2005 21:31

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INF	04/20/2005 12:00	Water	1
MID-1	04/20/2005 11:55	Water	2
MID-2	04/20/2005 11:50	Water	3
EFFL	04/20/2005 11:45	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

05/04/2005 14:55

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B	Test(s): 8260B
Sample ID: INF	Lab ID: 2005-04-0711 - 1
Sampled: 04/20/2005 12:00	Extracted: 5/3/2005 11:58
Matrix: Water	QC Batch#: 2005/05/03-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 11:58	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 11:58	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 11:58	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 11:58	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 11:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 11:58	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	05/03/2005 11:58	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 11:58	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 11:58	
tert-Amyl methyl ether (TAME)	1.1	0.50	ug/L	1.00	05/03/2005 11:58	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	73-130	%	1.00	05/03/2005 11:58	
Toluene-d8	100.2	81-114	%	1.00	05/03/2005 11:58	

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

05/04/2005 14:55

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID-1	Lab ID: 2005-04-0711-2
Sampled: 04/20/2005 11:55	Extracted: 5/3/2005 11:32
Matrix: Water	QC Batch#: 2005/05/03-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 11:32	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 11:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 11:32	
Methyl tert-butyl ether (MTBE)	2.4	0.50	ug/L	1.00	05/03/2005 11:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 11:32	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 11:32	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/03/2005 11:32	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	73-130	%	1.00	05/03/2005 11:32	
Toluene-d8	103.0	81-114	%	1.00	05/03/2005 11:32	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

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

Project: 38487015

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B	Test(s): 8260B
Sample ID: MID-2	Lab ID: 2005-04-0711 - 3
Sampled: 04/20/2005 11:50	Extracted: 5/3/2005 11:07
Matrix: Water	QC Batch#: 2005/05/03-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 11:07	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 11:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 11:07	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 11:07	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 11:07	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/03/2005 11:07	
Surrogate(s)						
1,2-Dichloroethane-d4	100.7	73-130	%	1.00	05/03/2005 11:07	
Toluene-d8	102.1	81-114	%	1.00	05/03/2005 11:07	

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

05/04/2005 14:55

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Prep(s): 5030B	Test(s): 8260B
Sample ID: EFFL	Lab ID: 2005-04-0711 - 4
Sampled: 04/20/2005 11:45	Extracted: 5/3/2005 09:51
Matrix: Water	QC Batch#: 2005/05/03-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	1.00	05/03/2005 09:51	LW
Benzene	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Toluene	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Ethylbenzene	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Total xylenes	ND	1.0	ug/L	1.00	05/03/2005 09:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/03/2005 09:51	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	05/03/2005 09:51	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/03/2005 09:51	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/03/2005 09:51	
Surrogate(s)						
1,2-Dichloroethane-d4	98.0	73-130	%	1.00	05/03/2005 09:51	
Toluene-d8	100.1	81-114	%	1.00	05/03/2005 09:51	

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/05/03-1A.66-059

Water

Test(s): 8260B

QC Batch # 2005/05/03-1A.66

Date Extracted: 05/03/2005 07:59

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C4-C12)	ND	50	ug/L	05/03/2005 07:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/03/2005 07:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/03/2005 07:59	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	05/03/2005 07:59	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/03/2005 07:59	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/03/2005 07:59	
Benzene	ND	0.5	ug/L	05/03/2005 07:59	
Toluene	ND	0.5	ug/L	05/03/2005 07:59	
Ethylbenzene	ND	0.5	ug/L	05/03/2005 07:59	
Total xylenes	ND	1.0	ug/L	05/03/2005 07:59	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	73-130	%	05/03/2005 07:59	
Toluene-d8	102.8	81-114	%	05/03/2005 07:59	

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

05/04/2005 14:55

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/05/03-1A.66

LCS 2005/05/03-1A.66-034

Extracted: 05/03/2005

Analyzed: 05/03/2005 07:34

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.3		25	93.2			65-165	20		
Benzene	22.4		25	89.6			69-129	20		
Toluene	24.5		25	98.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	461		500	92.2			73-130			
Toluene-d8	512		500	102.4			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

05/04/2005 14:55

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/05/03-1A.66

EFFL >> MS

Lab ID: 2005-04-0711 - 004

MS: 2005/05/03-1A.66-016

Extracted: 05/03/2005

Analyzed: 05/03/2005 10:16

Dilution: 1.00

MSD: 2005/05/03-1A.66-042

Extracted: 05/03/2005

Analyzed: 05/03/2005 10:42

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	25.4	22.0	ND	25	101.6	88.0	14.3	75-125	20		
Benzene	23.8	21.6	ND	25	95.2	86.4	9.7	76-124	20		
Toluene	27.0	23.2	ND	25	108.0	92.8	15.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	471	467		500	94.2	93.4		73-130			
Toluene-d8	521	510		500	104.2	102.0		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

05/04/2005 14:55

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

Station 608-O&M-Remediation

Received: 04/22/2005 17:00

Site: 17601 Hesperian Blvd., San Lorenzo

Legend and Notes

Result Flag

LW

Quantit. of unknown hydrocarbon(s) in sample based on gasoline



2005-04-0711

Chain of Custody Record

114409

Page 1 of 1

Project Name: Station 608 - O&M - Remediation
 BP BU/AR Region/Enfos Segment: Retail
 State or Lead Regulatory Agency: Oro Loma Sanitary District
 Requested Due Date (mm/dd/yy): 5/5/05
 (14-day TAT)

On-site Time: 1100	Temp: 69
Off-site Time: 1230	Temp: 72
Sky Conditions: Sunny	
Meteorological Events: None	
Wind Speed: N/A	Direction: N/A

Lab Name: STL-SF (Pleasanton)	BP/AR Facility No.: Station 608	Consultant/Contractor: URS Oakland
Address: 1220 Quarry Lane Pleasanton CA	BP/AR Facility Address: 17601 Hesperian Blvd, San Lorenzo	Address: 1333 Broadway, Suite 800 Oakland CA 94612
Lab PM: Afraach Salimpour	California Global ID No.: T000100085	Consultant/Contractor Project No.: 38487015
Tels/Fax: 925.484.1919/925.484.1096	Enfos Project No.: G0C24-0005	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.893.3600/510.874.3265
Address: P.O. Box 6549 Moraga CA 94570	Phase/WBS: 03 - O&M	Report Type & QC Level: Level 1 and EDF
Tels/Fax: 925.299.8801/925.299.8872	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna.Casper@urscorp.com
	Cost Element: 05 - Subcontractor Costs	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

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	F ₂ SO ₄	FeNO ₃	HCl	Methanol	BTEX/Ony/TPH (\$260)	COD (#10-4)	ISS (#60-2)				
1	INP	1200	4/20	X				3												
2	MID-1	1155	4/20	X				3												
3	MID-2	1150	4/20	X				3												
4	BFPL	1145	4/20	X				3												
5	BFPL	1145	4/20	X				1	X							X				
6	BFPL	1145	4/20	X				1	X						X					
7	TRIP BLANK	1100	4/20	X				3												on hold
8																				
9																				
10																				

Sampler's Name: George Brookshaw	Relinquished By / Affiliation: [Signature]	Date: 4/22	Time: 1145	Accepted By / Affiliation: [Signature]	Date: 4-21	Time: 1445
Sampler's Company: URS CORPORATION		Date: 4/22	Time: 1100	Accepted By / Affiliation: STL-SF	Date: 4/22	Time: 1110
Shipment Date: 4/21/05		Date: 4/22	Time: 1700	Accepted By / Affiliation: STL-SF	Date: 4/22	Time: 1700
Shipment Method: SAC-STL						
Shipment Tracking No:						

Special Instructions:

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

ATTACHMENT B
OPERATION AND MAINTENANCE FIELD LOGS

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project # 38487015 Cost Code: 0033501
 Station # ARCO 0608
 Site Address: 17601 Hesperian Blvd.
 County: San Lorenzo CA
 Project Manager: Scott Robinson (874-3280)
 Lead Engineer: Amber Budd (874-1769)
 Client: BP
 Client P.O.C.: Paul Supple
 Revision Date:
 Laboratory: STL

Site Remedial Technologies : Groundwater Extraction (GWE)

Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance:

(If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: George Brackley Date: 5/4/05
 Arrival time: 1230 Departure time: 1330
 Sample this visit?: No Engineer contacted? No

RECEIVED

MAY 06 2005

BP UNIT

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

Date: 5/4/05

System Description:

Groundwater Extraction Wells							
Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons)
E-1A	3"	Electric	Auto		23.9	Yes	4,269,744

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
 Filter: Rosedale P2 25 micron

Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
 System on departure? Yes (if no, specify reason in comments)
 Filter Changed? Yes

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,269,744	4,269,751
ELECTRIC METER READING (kWh)	42731	N/A
Hour Meter Reading (hrs)	20915.2	N/A
Holding Tank Level	N/A	
FILTER INLET PRESSURE (psig)	19.0 (Change filter if pressure > 30 psig)	After changing filter = 18.0
CARBON #1 INLET PRESSURE (psig)	18.0 (Backflush if pressure > 20 psig)	After backflush = 17.3
CARBON #2 INLET PRESSURE (psig)	10.0 (Backflush if pressure > 10 psig)	After backflush = 9.5
CARBON #3 INLET PRESSURE (psig)	4.5 (Backflush if pressure > 10 psig)	After backflush = 4.3
DISCHARGE PRESSURE (psig)	0	
EFF FLOW RATE (gpm)	1.3	

PART B: COMMENTS

PART C: WELL DATA (Monthly)

* Allow system to run 1 hour before obtaining DTW readings

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

PART D: SAMPLING & READINGS (Monthly during week 2)

To be Completed 5/18

SAMPLE	ANALYSIS	BOYD REQUIREMENT	COMPLIANCE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	
MID I	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	
MID I	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410,4), TSS (160.2), 14-day TAT	3X40 mL HCl VOA's, 1unpreserved, 1 H ₂ SO ₄	
TRIP BLANK	GRO/BTEX, EPA 8260 (on Hold)	3X40 mL VOA supplied by the lab	

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	<i>N/A</i>	Enclosure Swept?	<i>No</i>
Test Compound Float Switch?	<i>Yes</i>	Test Filter Pressure Switch?	<i>Yes</i>
Air Solenoid Valve?	<i>N/A</i>	Number of Spare Filters On Site?	<i>0</i>
Test Holding Tank Switches?	<i>N/A</i>		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submersible Pumps Checked?	<i>No</i>	Flow Totalizers Cleaned?	<i>No</i>
Control Logics Checked?	<i>Yes</i>		

PART G: READINGS (Monthly during week 1)

	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
EFFLUENT				
permit limits:	5.5 to 12.5	150°F		

FIELD SERVICES / ROUTINE O&M REQUEST

Identification

Project # 38487015 Cost Code: 0033501
 Station # ARCO 0608
 Site Address: 17601 Hesperian Blvd.
 County: San Lorenzo CA
 Project Manager: Scott Robinson (874-3280)
 Lead Engineer: Amber Budd (874-1769)
 Client: BP
 Client P.O.C.: Paul Supple
 Revision Date:
 Laboratory: STL

Site Remedial Technologies : Groundwater Extraction (GWE)

Permit Type : POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-toe Mob	Completed
GWE (A, B, E)	Every Visit				
GWE (C, D, G)	Monthly				
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:

System Under Compliance:

Yes
 (If no, was the Engineer/PM contacted?)

Field Technician Response:

Completed by: George BRADSHAW Date: 4/20/05
 Arrival time: 1100 Departure time: 1230
 Sample this visit?: Yes Engineer contacted? No

RECEIVED

APR 22 2005

BP UNIT

SS
 04/22/05

Date: 4/22/05

Groundwater Extraction & Treatment System
ARCO Service Station No. 0608
17601 Hesperian Blvd.
San Lorenzo CA

System Description:

Groundwater Extraction Wells

Extraction Well	Size	Type	Control	Screen Interval	Set Depth (TOB)	Well Online (Yes/No)	Totalizer Reading (gallons)
E-1A	3"	Electric	Auto		23.9	Yes	4,244,726

Abatement Device: Carbon Vessels: three ASC-2,400 lbs
 Filter: Rosedale P2 25 micron
 Equipment Required: pH meter, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon arrival? Yes (if no, specify reason in comments)
 System on departure? Yes (if no, specify reason in comments)
 Filter Changed? No

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4,244,726	4,244,807
ELECTRIC METER READING (kWh)	42,554	N/A
Hour Meter Reading (hrs)	20,577.9	N/A
Holding Tank Level	N/A	No Holding Tank
FILTER INLET PRESSURE (psig)	18.0 (Change filter if pressure > 30 psig)	After changing filter = N/A
CARBON #1 INLET PRESSURE (psig)	17.3 (Backflush if pressure > 20 psig)	After backflush = No backflush System
CARBON #2 INLET PRESSURE (psig)	10.0 (Backflush if pressure > 10 psig)	After backflush =
CARBON #3 INLET PRESSURE (psig)	4.5 (Backflush if pressure > 10 psig)	After backflush = ↓
DISCHARGE PRESSURE (psig)	0.5	
BFF FLOW RATE (gpm)		

PART B: COMMENTS

New Form Modifications - No Holding Tank
No Backflush System

PART C: WELL DATA (Monthly)

Not Required at this Site

* Allow system to run 1 hour before obtaining DTW readings

Well ID	Size	Time	DTW (Feet)	TD (Feet)
E-1A				
UST-A				
UST-B				
SP1-V4				

PART D: SAMPLING & READINGS (Monthly during week 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	4/20/05
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	4/20/05
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	4/20/05
EFFLUENT	GRO/BTEX /Fuel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-day TAT	3X40 mL HCl VOA's, 1unpreserved, 1 H ₂ SO ₄	4/20/05
TRIP BLANK	GRO/BTEX, EPA 8260 (on Hold)	3X40 mL VOA supplied by the lab	4/20/05

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	<i>None</i>	Enclosure Swept?	<i>No</i>
Test Compound Float Switch?	<i>Yes</i>	Test Filter Pressure Switch?	<i>Yes</i>
Air Solenoid Valve?	<i>None</i>	Number of Spare Filters On Site?	<i>0</i>
Test Holding Tank Switches?	<i>None</i>		

PART F: SYSTEM MAINTENANCE (Months 1, 4, 7, 10)

Submersible Pumps Checked?	<i>Yes</i>	Flow Totalizers Cleaned?	<i>Yes</i>
Control Logics Checked?	<i>Yes</i>		

PART G: READINGS (Monthly during week 1)

	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
EFFLUENT		<i>21.0°C</i>		
permit limits:	5.5 to 12.5	150°F	<i>1109 µS</i>	<i>0.67</i>



Chain of Custody Record

Project Name: Station 608 - O&M - Remediation
 BP BU/AR Region/Enfos Segment: Retail
 State or Lead Regulatory Agency: Oro Loma Sanitary District
 Requested Due Date (mm/dd/yy): 5/5/05
 (14- day TAT)

On-site Time: 1100	Temp: 69
Off-site Time: 1230	Temp: 72
Sky Conditions: Sunny	
Meteorological Events: None	
Wind Speed: N/A	Direction: N/A

Lab Name: STL-SF (Pleasanton)	BP/AR Facility No.: Station 608	Consultant/Contractor: URS Oakland
Address: 1220 Quarry Lane Pleasanton CA	BP/AR Facility Address: 17601 Hesperian Blvd, San Lorenzo	Address: 1333 Broadway, Suite 800 Oakland CA 94612
Lab PM: Abirach Salimpour	California Global ID No.: T000100085	Consultant/Contractor Project No.: 38487015
Tele/Fax: 925.484.1919/925.484.1096	Enfos Project No.: G0C24-0005	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.893.3600/510.874.3268
Address: P.O. Box 6549 Moraga CA 94570	Phase/WBS: 03 - O&M	Report Type & QC Level: Level 1 and EDF
Tele/Fax: 925.299.8891/925.299.8872	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna.Cosper@urscorp.com
	Cost Element: 05 - Subcontractor Costs	Invoiced to: Consultant or BP or Atlantic Richfield Co. (circle one)

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/Orx/TPH (8260)	COD (410.4)	ISS (160.2)					
1	INF	1100	4/10	X			3				X										
2	MID-1	1155	4/10	X			3				X										
3	MID-2	1150	4/10	X			3				X										
4	EFFL	1145	4/10	X			3				X										
5	EFFL	1145	4/10	X			1	X							X						
6	EFFL	1145	4/10	X			1	X						X							
7	TRIP BLANK	1100	4/10	X			3				X									on hold	
8																					
9																					
10																					

Sampler's Name: George Brockshaw	Relinquished By / Affiliation: [Signature]	Date: 4/10/05	Time: 1145	Accepted By / Affiliation: [Signature]	Date: 4-21	Time: 1445
Sampler's Company: URS CORPORATION						
Shipment Date: 4/21/05						
Shipment Method: SAC-STL						
Shipment Tracking No:						

Special Instructions:

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

Date: 4/7/05

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>42383</u>	HOUR METER READING (hrs)	<u>20262.7</u>
------------------------------------	--------------	-----------------------------	----------------

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	20262.7 <u>4,219,415</u>	<u>4,219,430</u>
FILTER INLET PRESSURE (psig)	<u>20.0</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>17.1</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<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 _____

RECEIVED

APR 03 2005

BP UNIT

55
04/08/05

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 collected 4/21/05

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 collected 4/21/05

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	No		

Date: 3/30/05

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 Vesscls: Three ASC-2.400
 Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	<u>42275</u>	HOUR METER READING (hrs)	<u>20072.4</u>
---------------------------------	--------------	--------------------------	----------------

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>4,203,345</u>	<u>4,203,345</u> ⁶¹
FILTER INLET PRESSURE (psig)	<u>18.5</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	<u>16.1</u>	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	<u>9.5</u> <u>4.0</u>	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	<u>0</u>	(ideal range: 0 to 2 psig)

PART B: COMMENTS HASP Signed 7/03
Permit Faxed to Me 8/02 No exp. date found.
No O&M Planned

RECEIVED

MAR 30 2005

BP UNIT

55
 nrl 3/1/05

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)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MtBE	3/16
EFFLUENT	TPH-gasoline, BTEX compounds, MtBE COD, TSS	3/16
MID-1	TPH-gasoline, BTEX compounds, MtBE	3/16
MID-2	TPH-gasoline, BTEX compounds, MtBE	3/16

PART E: READINGS (Monthly)

Collected 3/16/05

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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