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April 7, 2006

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

Alameda County
APR 26 2006
Environmental Health

Re: Monthly Discharge Report – March 2006
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 February 21, 2006, through March 22, 2006 (Tables 1 and 2). Operational parameters are summarized below.

Treatment System Status:	Operational through 3/22/06
Reporting Period:	2/21/06 to 3/22/06
Volume Discharged this period:	27,640 gallons
Effluent pH Reading:	6.87
Average Flow Rate this period:	0.66 gpm
Analytical Report:	Attachment A
O & M Field Information:	Attachment B

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DISCUSSION:

Monthly compliance samples were collected on March 6, 2006, from the influent water stream (INF), between the first and second carbon vessel (MID-1), between the second and third carbon vessel (MID-2), and from the effluent (EFF). The samples were analyzed for gasoline range organics, benzene, toluene, ethylbenzene, total xylenes, and fuel additives by EPA Method 8260B.

During the March 6, 2006, compliance sampling event, the INF sample detected methyl tert-butyl ether (MTBE) and tert-Amyl methyl ether (TAME) at concentrations of 16 micrograms per liter (µg/L) and 0.64 µg/L, respectively. The MID-2 sample detected MTBE at 3.0 µg/L. No other fuel components were detected at or above their respective laboratory reporting limits in March.

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



The April 2006 Monthly Discharge Report will be submitted no later than May 10, 2006. If you have any questions regarding this project or require further information, please do not hesitate to call Donna Cosper at 510-874-3019.

Sincerely,

URS CORPORATION

Amber Budd, E.I.T.
Staff Engineer

Alameda County
APR 26 2006
Environmental Health

John H. Madigan, P.E.
Senior Engineer



Donna Cosper, E.I.T.
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 – electronic copy uploaded to ftp server and GeoTracker
 - Mr. Don Hwang, Alameda County Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502
 - Mr. Rob Miller, President, Broadbent & Associates, Inc., electronic copy uploaded to ENFOS

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 (Hrs)		Total (hrs)	System Downtime (%) ^(k)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
06/05/00	29,593	a		96.64	979,800	3,200	3,200	2.1
06/19/00	29,896			9.82	1,052,390	72,590	75,790	4.0
06/28/00	30,062			22.96	1,082,340	29,950	105,740	3.0
07/08/00	30,352			0.00	1,131,560	49,220	154,960	2.8
07/26/00	30,749			8.10	1,196,420	64,860	219,820	2.7
08/07/00	30,955			28.47	1,228,020	31,600	251,420	2.6
08/29/00	31,309			32.90	1,276,650	48,630	300,050	2.3
09/08/00	31,528			8.87	1,306,300	29,650	329,700	2.3
09/28/00	32,011			0.00	1,368,410	62,110	391,810	2.1
10/28/00	32,638			12.85	1,444,183	75,773	467,583	2.0
11/30/00	33,399			3.96	1,534,960	90,777	558,360	2.0
12/28/00	33,761			46.15	1,576,520	41,560	599,920	1.9
01/04/01	33,924			2.80	1,595,340	18,820	618,740	1.9
02/06/01	34,556			20.15	1,672,330	76,990	695,730	2.0
03/08/01	34,776			69.50	1,698,860	26,530	722,260	2.0
03/24/01	35,088			18.67	1,741,170	42,310	764,570	2.3
04/05/01	35,310			22.99	1,767,530	26,360	790,930	2.0
04/18/01	35,335	a		92.15	1,770,860	3,330	794,260	2.3
05/04/01	35,716			0.81	1,812,690	41,830	836,090	1.8
06/09/01	36,345			27.13	1,879,710	67,020	903,110	1.8
07/05/01	36,469	b		80.10	1,897,180	17,470	920,580	2.3
07/28/01	36,821			36.29	1,928,250	31,070	951,650	1.5
08/14/01	36,822	c		99.80	1,928,510	260	951,910	5.4
09/05/01	37,219			24.81	1,977,050	48,540	1,000,450	2.0
10/05/01	37,932			0.94	2,040,950	63,900	1,064,350	1.5
11/13/01	38,820			5.15	2,119,670	78,720	1,143,070	1.5
12/11/01	39,496			0.00	2,186,530	66,860	1,209,930	1.6
01/04/02	40,063			1.60	2,248,700	62,170	1,272,100	1.8
01/31/02	40,716			0.00	2,321,310	72,610	1,344,710	1.9
02/05/02	40,830			5.33	2,333,090	11,780	1,356,490	1.7
02/25/02	40,831			99.62	2,333,270	180	1,356,670	1.7
03/05/02	40,968			29.01	2,353,460	20,190	1,376,860	2.5
04/08/02	41,735			5.96	2,448,360	94,900	1,471,760	2.1
05/04/02	42,362			0.00	2,487,090	38,730	1,510,490	1.0
05/31/02	42,832	d		27.47	2,503,380	16,290	1,526,780	0.6
08/19/02	44,925			0.00	2,520,289	16,909	1,543,689	0.1
10/03/02	44,956	e		97.11	2,520,582	293	1,543,982	N/A
10/07/02	44,956	e		100.00	2,522,394	1,812	1,545,794	N/A
10/24/02	44,956	e		100.00	2,527,898	5,504	1,551,298	N/A
11/07/02	0	f	44,956	-	2,527,925	27	1,551,325	N/A
11/21/02	336		45,292	0.00	2,527,945	20	1,551,345	0.00
12/05/02	479	g	45,435	57.71	2,528,113	168	1,551,513	0.02
12/18/02	788	g	45,744	0.90	2,555,895	27,782	1,579,295	1.50
01/03/02	1,174	g	46,130	100.00	2,591,359	35,464	1,614,759	1.53
01/16/03	1,486	g	46,442	96.56	2,625,812	34,453	1,649,212	1.84
02/13/03	2,156	g	47,112	0.36	2,692,710	66,898	1,716,110	1.67
03/13/03	2,832		47,788	0.00	2,758,948	66,238	1,782,348	1.63
03/27/03	3,165		48,121	0.71	2,790,668	31,720	1,814,068	1.58
04/10/03	3,500		48,456	0.27	2,828,060	37,392	1,851,460	1.86
04/24/03	3,837		48,793	0.00	2,865,050	36,990	1,888,450	1.83
05/08/03	4,172		49,128	0.36	2,900,937	35,887	1,924,337	1.79
05/22/03	4,459	h	49,415	14.46	2,931,190	30,253	1,954,590	1.75
05/30/03	4,459	i	49,415	100.00	2,931,190	0	1,954,590	0.00
06/05/03	4,606		49,562	0.00	2,946,180	14,990	1,969,580	1.69
06/19/03	4,940		49,896	0.77	2,971,985	25,805	1,995,385	1.29

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 (Hrs)	Total (hrs)	System Downtime (%) ^(k)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
07/11/03	4,940	49,896	100.00	2,971,985	0	1,995,385	0.00
07/24/03	5,331	50,287	0.00	2,972,362	377	1,995,762	0.02
08/14/03	5,831	50,787	0.95	3,013,517	41,532	2,036,917	0.78
08/28/03	6,165	51,121	0.51	3,040,900	27,383	2,064,300	1.37
09/11/03	6,503	51,459	0.00	3,067,641	26,741	2,091,041	1.32
09/25/03	6,838	51,794	0.21	3,095,020	27,379	2,118,420	1.36
10/09/03	7,176	52,132	0.00	3,122,624	81,724	2,146,024	1.35
10/23/03	7,512	52,468	0.00	3,149,200	26,576	2,172,600	1.32
11/06/03	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11/20/03	8,182	53,138	0.33	3,204,612	55,412	2,228,012	1.38
12/04/03	8,518	53,474	0.00	3,233,956	29,344	2,201,944	0.49
12/18/03	8,851	53,807	1.07	3,264,487	30,531	2,232,475	1.53
01/08/04	9,356	54,312	0.00	3,312,485	47,998	2,276,010	1.58
01/22/04	9,690	54,646	0.68	3,344,994	32,509	2,308,519	1.62
02/05/04	10,026	54,982	0.06	3,377,510	32,516	2,341,035	1.61
02/19/04	10,357	55,313	1.58	3,410,457	32,947	2,373,982	1.66
03/04/04	10,695	55,651	0.00	3,446,501	36,044	2,410,026	1.77
03/18/04	11,030	55,986	0.33	3,480,890	34,389	2,444,415	1.71
04/07/04	11,509	56,465	0.23	3,524,179	43,289	2,487,704	1.51
04/22/04	11,869	56,825	0.03	3,552,144	27,965	2,515,669	1.30
05/06/04	12,206	57,162	0.00	3,579,927	27,783	2,543,452	1.37
05/19/04	12,522	57,478	0.00	3,607,015	27,088	2,570,540	1.43
06/02/04	12,853	57,809	1.34	3,635,580	28,565	2,599,105	1.44
06/16/04	13,198	58,154	0.00	3,664,594	29,014	2,628,119	1.40
07/08/04	13,715	58,671	2.14	3,708,440	43,846	2,671,965	1.41
07/22/04	14,050	59,006	0.18	3,736,245	27,805	2,699,770	1.38
08/12/04	14,554	59,510	0.10	3,777,215	40,970	2,740,740	1.36
08/26/04	14,890	59,846	0.00	3,803,030	25,815	2,766,555	1.28
09/02/04	15,058	60,014	0.00	3,811,977	8,947	2,775,502	0.89
09/16/04	15,394	60,350	0.09	3,832,211	20,234	2,795,736	1.00
10/07/04	15,902	60,858	0.00	3,867,732	35,521	2,831,257	1.17
10/21/04	16,235	61,191	0.65	3,891,217	23,485	2,854,742	1.17
11/04/04	16,572	61,528	0.00	3,917,240	26,023	2,880,765	1.29
11/18/04	16,908	61,864	0.00	3,942,990	25,750	2,906,515	1.28
12/02/04	17,242	62,198	0.57	3,967,880	24,890	2,931,405	1.24
12/16/04	17,579	62,535	0.00	3,994,102	26,222	2,957,627	1.30
12/30/04	17,915	62,871	0.00	4,020,937	26,835	2,984,462	1.33
01/05/05	18,062	63,018	0.00	4,033,820	12,883	2,997,345	1.46
01/19/05	18,396	63,352	0.63	4,063,602	29,782	3,027,127	1.49
02/02/05	18,734	63,690	0.00	4,091,628	28,026	3,055,153	1.38
02/16/05	19,068	64,024	0.45	4,117,922	26,294	3,081,447	1.31
03/02/05	19,406	64,362	0.00	4,146,956	29,034	3,110,481	1.43
03/16/05	19,741	64,697	0.36	4,175,328	28,372	3,138,853	1.41
03/30/05	20,072	65,028	1.28	4,203,345	28,017	3,166,870	1.41
04/07/05	20,263	65,219	0.89	4,219,430	16,085	3,182,955	1.41
04/20/05	20,578	65,534	0.00	4,244,807	25,377	3,208,332	1.34
05/04/05	20,915	65,871	0.00	4,269,751	24,944	3,233,276	1.23
05/18/05	21,057	66,013	57.95	4,279,950	10,199	3,243,475	1.20
06/02/05	21,415	66,371	0.53	4,304,727	24,777	3,268,252	1.15
06/15/05	21,728	66,684	0.00	4,325,824	21,097	3,289,349	1.12
06/23/05	N/A	N/A	N/A	4,337,710	11,886	3,301,235	N/A
07/11/05	22,354	67,310	0.00	4,363,217	37,393	3,326,742	1.00

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 (Hrs)		Total (hrs)	System Downtime ^(k) (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
07/26/05	22,468	m	67,424	68.25	4,369,300	6,083	3,332,825	0.89
08/10/05	22,827		67,783	0.22	4,388,486	19,186	3,352,011	0.89
08/25/05	23,184		68,140	0.94	4,407,134	18,648	3,370,659	0.87
09/07/05	23,497		68,453	0.00	4,421,840	14,706	3,385,365	0.78
09/20/05	23,812		68,768	0.00	4,436,511	14,671	3,400,036	0.78
10/04/05	24,150		69,106	0.00	4,451,324	14,813	3,414,849	0.73
10/18/05	24,483		69,439	1.01	4,465,577	14,253	3,429,102	0.71
11/02/05	24,956	n	69,912	0.00	4,480,107	14,530	3,443,632	0.51
11/16/05	25,178		70,134	34.05	4,495,190	15,083	3,458,715	1.13
11/29/05	25,491		70,447	0.00	4,508,180	12,990	3,471,705	0.69
12/13/05	25,825		70,781	0.00	4,523,250	15,070	3,486,775	0.75
12/27/05	26,163		71,119	0.00	4,538,830	15,580	3,502,355	0.77
01/12/06	26,546		71,502	0.26	4,562,040	23,210	3,525,565	1.01
01/24/06	26,835		71,791	0.00	4,577,920	15,880	3,541,445	0.92
02/08/06	27,195		72,151	0.03	4,595,860	17,940	3,559,385	0.83
02/21/06	27,505		72,461	0.61	4,609,460	13,600	3,572,985	0.73
03/06/06	27,816		72,772	0.22	4,621,920	12,460	3,585,445	0.67
03/22/06	28,199		73,155	0.23	4,637,100	15,180	3,600,625	0.66

REPORTING PERIOD:	2/21/06 to 3/22/06
PERIOD AVERAGE FLOW RATE (gpm):	0.66
PERIOD VOLUME DISCHARGED (gallons):	27,640

hrs = hours

gpm = gallons per minute

N/A = not analyzed/not applicable/not available

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.
- k. Downtime calculated by the following: $100 - [(Hours\ Running\ in\ Period) / ((Days\ in\ Reporting\ Period) * (24\ hours))]$
- l. Data from 11/6/03 site visit is unavailable.
- m. During the period of July 11 to July 26, the GWET system tripped an inlet pressure switch and shut down.
- n. Based on previous readings, the hour meter reading on the field data sheets is incorrect.

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

Date Sampled	GRO/TPH-g (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	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	0.52	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	370	14	0.34	14	2.4	---	---	---	---	---
03/17/92	160	18	0.32	0.56	1.6	---	---	---	---	---
04/15/92	200	11	<0.30	7.3	0.77	---	---	---	---	---
05/14/92	45	1.4	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	97	25	<0.50	8.5	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	96	7.7	13	0.56	9.7	---	---	---	---	---
01/18/93	100	13	6.6	1.1	11	---	---	---	---	---
02/22/93	480	36	29	4.9	96	---	---	---	---	---
03/15/93	310	29	14	4.9	55	---	---	---	---	---
04/09/93	140	11	2.8	2.6	17	---	---	---	---	---
05/13/93	530	27	12	18	96	---	---	---	---	---
06/04/93	170	5.2	1.6	2.5	23	---	---	---	---	---
07/20/93	200	12	0.91	8.2	29	---	---	---	---	---
08/16/93	150	4.9	0.63	2.9	15	---	---	---	---	---
09/13/93	80	2.2	<0.50	<0.50	4.8	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	73	3.5	<0.50	1.9	8.4	---	---	---	---	---
01/18/94	60	3.1	<0.50	3.2	4.3	---	---	---	---	---
02/17/94	<50	2.5	<0.50	2.1	3.1	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	110	7.8	<1.0	9.6	<1.0	---	---	---	---	---
05/13/94	230	8.3	<0.50	14	6	---	---	---	---	---
06/14/94	230	12	<0.50	16	1.5	---	---	---	---	---
07/14/94	270	6.9	<0.50	15	1.9	---	---	---	---	---
08/18/94	<50	1.8	<0.50	1.5	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	0.66	<0.50	2.6	<0.50	---	---	---	---	---
12/05/94	470	32	0.59	29	6.2	---	---	---	---	---
01/04/95	<50	1.1	<0.50	1.4	<0.50	---	---	---	---	---
02/06/95	100	2.4	1.1	1.2	2.8	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	290	6.6	<0.50	10	1.7	---	---	---	---	---
05/02/95	240	7.1	<0.50	3.2	1.6	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	270	2.4	<0.50	7.6	1	---	---	---	---	---
08/21/95	230	1.8	<0.50	1.6	0.92	---	---	---	---	---
06/05/00	700	7.24	<1.0	2.11	<1.0	361	---	---	---	---
07/08/00	133	5.09	0.598	<0.50	<0.50	272	---	---	---	---
08/10/00	144	2.8	<0.50	1.04	<0.50	126	---	---	---	---
09/08/00	261	2.74	0.826	0.626	<0.50	120	---	---	---	---
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5	---	---	---	---
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6	---	---	---	---
12/05/00	167	0.775	<0.50	<0.50	<0.50	104	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8	---	---	---	---
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5	---	---	---	---

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

Date Sampled	GRO/TPH-g (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.)										
03/03/01	219	<0.50	6.16	1.21	0.682	81	---	---	---	---
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	---	---	---	---
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2	---	---	---	---
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	---	---	---	---
08/14/01	290	2.2	3.5	<1.0	<1.0	870	---	---	---	---
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92	---	---	---	---
12/11/01	65	<0.50	0.58	<0.50	<0.50	83	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140	---	---	---	---
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190	---	---	---	---
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	---	---	---	---
04/08/02	400	9.6	<1.0	1.4	<1.0	260	---	---	---	---
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330	---	---	---	---
10/07/02	160	4.1	<1.0	<1.0	<1.0	130	---	---	---	---
11/07/02	250	<0.50	10	0.7	0.77	210	---	---	---	---
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110	---	---	---	---
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140	---	---	---	---
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66	---	---	---	---
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71	---	---	---	---
4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56	---	---	---	---
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50	---	---	---	---
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46	---	---	---	---
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22	---	---	---	---
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	---	---	---	---
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19	---	---	---	---
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16	---	---	---	---
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	16	---	---	---	---

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

Date Sampled	GRO/TPH-g (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	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	---	---	---	---	---	---	---	---	---	---
08/18/92	---	---	---	---	---	---	---	---	---	---
09/15/92	---	---	---	---	---	---	---	---	---	---
10/16/92	---	---	---	---	---	---	---	---	---	---
11/18/92	---	---	---	---	---	---	---	---	---	---
12/17/92	---	---	---	---	---	---	---	---	---	---
01/18/93	---	---	---	---	---	---	---	---	---	---
02/22/93	---	---	---	---	---	---	---	---	---	---
03/15/93	---	---	---	---	---	---	---	---	---	---
04/09/93	---	---	---	---	---	---	---	---	---	---
05/13/93	---	---	---	---	---	---	---	---	---	---
06/04/93	---	---	---	---	---	---	---	---	---	---
07/14/94	ND	ND	ND	ND	ND	---	---	---	---	---
08/17/94	---	---	---	---	---	---	---	---	---	---
09/12/94	---	---	---	---	---	---	---	---	---	---
10/18/94	---	---	---	---	---	---	---	---	---	---
11/05/94	---	---	---	---	---	---	---	---	---	---
12/05/94	---	---	---	---	---	---	---	---	---	---
01/04/95	---	---	---	---	---	---	---	---	---	---
02/06/95	---	---	---	---	---	---	---	---	---	---
03/02/95	---	---	---	---	---	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39	---	---	---	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66	---	---	---	---

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

Date Sampled	GRO/TPH-g (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) (cont.)										
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130	---	---	---	---
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120	---	---	---	---
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110	---	---	---	---
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2	---	---	---	---
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---
MID-2 (between secondary and tertiary carbons)										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/08/00	---	---	---	---	---	---	---	---	---	---
09/08/00	---	---	---	---	---	---	---	---	---	---
10/10/00	---	---	---	---	---	---	---	---	---	---
11/07/00	---	---	---	---	---	---	---	---	---	---
12/05/00	---	---	---	---	---	---	---	---	---	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7	---	---	---	---

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 ARCO Service Station #0608
 17601 Hesperian Boulevard at Hacienda Avenue
 San Lorenzo, California

Date Sampled	GRO/TPH-g (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) (cont.)										
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1	---	---	---	---
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94	---	---	---	---
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95	---	---	---	---
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1	---	---	---	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²	---	---	---	---
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2	---	---	---	---
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5	---	---	---	---
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3	---	---	---	---
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0	---	---	---	---
EFFL (effluent to sewer)										
09/26/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
10/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
11/22/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
01/16/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
02/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
03/17/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	---	---	---	---	---
07/14/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/16/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/18/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/17/92	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---

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

Date Sampled	GRO/TPH-g (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.)										
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/09/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/04/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/20/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/16/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/08/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/19/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/21/93	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/15/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/21/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/13/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/14/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/17/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
11/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
01/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
02/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
04/04/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
05/02/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
07/06/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
08/21/95	<50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	7.19	---
06/12/00	<50	---	---	---	---	---	---	---	---	---
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	---
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	---
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	---
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	---
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	---
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	---
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	---
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	---
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	---
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	---
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	---
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	---
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	---
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	---
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	---
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	---
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	---
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	---
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	---
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	---
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	---
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	---
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	---
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	---
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	---

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

Date Sampled	GRO/TPH-g (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.)										
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	---
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 ⁴
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12

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

SYMBOLS AND ABBREVIATIONS:

-- =Not applicable/available/sampled
< =Not detected at or above the laboratory reporting limit.
COD =Chemical oxygen demand
DO =Dissolved Oxygen, field measurement
GRO =Gasoline Range Organics
µg/L =Micrograms per liter
mg/L =Milligrams per liter
MTBE =Methyl tert-Butyl Ether
ND =Not detected at or above the laboratory reporting limit
TPH-g =Total purgeable petroleum hydrocarbons as gasoline
TSS =Total suspended solids

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).
3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
4 = Value appears to be anomalous.
5 = Possible high bias due to CCV falling outside acceptance criteria

NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.
The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

ATTACHMENT A

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



31 March, 2006

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

RE: ARCO #0608, San Lorenzo, CA
Work Order: MPC0243

Enclosed are the results of analyses for samples received by the laboratory on 03/06/06 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.



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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0012
Project Manager: Donna Cosper

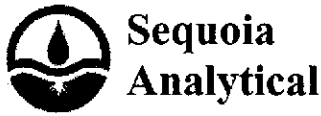
MPC0243
Reported:
03/31/06 13:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
INF	MPC0243-01	Water	03/06/06 11:40	03/06/06 15:30
MID-1	MPC0243-02	Water	03/06/06 11:35	03/06/06 15:30
MID-2	MPC0243-03	Water	03/06/06 11:30	03/06/06 15:30
EFFL	MPC0243-04	Water	03/06/06 11:20	03/06/06 15:30
TRIP BLANK	MPC0243-05	Water	03/06/06 10:30	03/06/06 15:30

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.



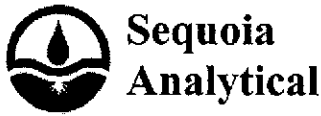
URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: ARCO #0608, San Lorenzo, CA Project Number: G0C24-0012 Project Manager: Donna Cosper	MPC0243 Reported: 03/31/06 13:29
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Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INF (MPC0243-01) Water Sampled: 03/06/06 11:40 Received: 03/06/06 15:30									
tert-Amyl methyl ether	0.64	0.50	ug/l	1	6C18001	03/18/06	03/18/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	16	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %		60-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		107 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %		65-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %		70-120	"	"	"	"	
MID-1 (MPC0243-02) Water Sampled: 03/06/06 11:35 Received: 03/06/06 15:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6C18001	03/18/06	03/18/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %		60-135	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %		70-120	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %		65-130	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %		70-120	"	"	"	"	

Sequoia Analytical - Morgan Hill

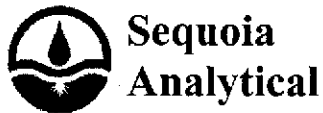
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**Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MID-2 (MPC0243-03) Water Sampled: 03/06/06 11:30 Received: 03/06/06 15:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6C18011	03/18/06	03/18/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	PE
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	3.0	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	60-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	70-120	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %	65-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	70-120	"	"	"	"	"	
EFFL (MPC0243-04) Water Sampled: 03/06/06 11:20 Received: 03/06/06 15:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6C18011	03/18/06	03/18/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	PE
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	60-135	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	70-120	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99 %	65-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %	70-120	"	"	"	"	"	



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Oakland CA, 94612

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0012
Project Manager: Donna Cosper

MPC0243
Reported:
03/31/06 13:29

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MPC0243-04) Water Sampled: 03/06/06 11:20 Received: 03/06/06 15:30									
Chemical Oxygen Demand	ND	30000	ug/l	1	6C15025	03/15/06	03/15/06	EPA 410.4	
Total Suspended Solids	ND	10000	"	"	6C14038	03/09/06	03/10/06	EPA 160.2	



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Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C18001 - EPA 5030B P/T / EPA 8260B

Blank (6C18001-BLK1)

Prepared & Analyzed: 03/18/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.93		"	5.00		99	60-135			
<i>Surrogate: Toluene-d8</i>	5.43		"	5.00		109	70-120			
<i>Surrogate: Dibromofluoromethane</i>	5.29		"	5.00		106	65-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	4.85		"	5.00		97	70-120			

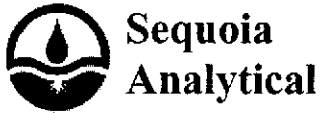
Laboratory Control Sample (6C18001-BS1)

Prepared & Analyzed: 03/18/06

tert-Amyl methyl ether	16.1	0.50	ug/l	16.3		99	80-115			
Benzene	5.77	0.50	"	5.04		114	65-115			
tert-Butyl alcohol	163	5.0	"	169		96	75-150			
Di-isopropyl ether	17.0	0.50	"	16.2		105	75-125			
1,2-Dibromoethane (EDB)	16.3	0.50	"	16.6		98	85-120			
1,2-Dichloroethane	16.5	0.50	"	15.5		106	85-130			
Ethanol	144	100	"	165		87	70-135			
Ethyl tert-butyl ether	17.0	0.50	"	16.4		104	75-130			
Ethylbenzene	8.05	0.50	"	7.28		111	75-135			
Methyl tert-butyl ether	8.38	0.50	"	7.84		107	65-125			
Toluene	36.1	0.50	"	38.0		95	85-120			
Xylenes (total)	43.8	0.50	"	40.8		107	85-125			
Gasoline Range Organics (C4-C12)	447	50	"	440		102	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.02		"	5.00		100	60-135			
<i>Surrogate: Toluene-d8</i>	5.46		"	5.00		109	70-120			
<i>Surrogate: Dibromofluoromethane</i>	5.07		"	5.00		101	65-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	5.23		"	5.00		105	70-120			

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Oakland CA, 94612

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0012
Project Manager: Donna Cosper

MPC0243
Reported:
03/31/06 13:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C18001 - EPA 5030B P/T / EPA 8260B

Matrix Spike (6C18001-MS1)	Source: MPC0315-02			Prepared & Analyzed: 03/18/06						
tert-Amyl methyl ether	154	5.0	ug/l	163	ND	94	80-115			
Benzene	58.0	5.0	"	50.4	5.5	104	65-115			
tert-Butyl alcohol	1760	50	"	1690	67	100	75-120			
Di-isopropyl ether	168	5.0	"	162	ND	104	75-125			
1,2-Dibromoethane (EDB)	163	5.0	"	166	ND	98	85-120			
1,2-Dichloroethane	164	5.0	"	155	1.5	105	85-130			
Ethanol	2010	1000	"	1650	ND	122	70-135			
Ethyl tert-butyl ether	169	5.0	"	164	ND	103	75-130			
Ethylbenzene	74.8	5.0	"	72.8	ND	103	75-135			
Methyl tert-butyl ether	864	5.0	"	78.4	880	0	65-125			BB,LN
Toluene	355	5.0	"	380	ND	93	85-120			
Xylenes (total)	409	5.0	"	408	ND	100	85-125			
Gasoline Range Organics (C4-C12)	4960	500	"	4400	640	98	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.90</i>		<i>"</i>	<i>5.00</i>		<i>98</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.25</i>		<i>"</i>	<i>5.00</i>		<i>105</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.87</i>		<i>"</i>	<i>5.00</i>		<i>97</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.95</i>		<i>"</i>	<i>5.00</i>		<i>99</i>	<i>70-120</i>			

Matrix Spike Dup (6C18001-MSD1)	Source: MPC0315-02			Prepared & Analyzed: 03/18/06						
tert-Amyl methyl ether	162	5.0	ug/l	163	ND	99	80-115	5	15	
Benzene	62.0	5.0	"	50.4	5.5	112	65-115	7	20	
tert-Butyl alcohol	1670	50	"	1690	67	95	75-120	5	25	
Di-isopropyl ether	177	5.0	"	162	ND	109	75-125	5	15	
1,2-Dibromoethane (EDB)	167	5.0	"	166	ND	101	85-120	2	15	
1,2-Dichloroethane	169	5.0	"	155	1.5	108	85-130	3	20	
Ethanol	1710	1000	"	1650	ND	104	70-135	16	35	
Ethyl tert-butyl ether	174	5.0	"	164	ND	106	75-130	3	25	
Ethylbenzene	80.5	5.0	"	72.8	ND	111	75-135	7	15	
Methyl tert-butyl ether	850	5.0	"	78.4	880	0	65-125	2	20	BB,LN
Toluene	363	5.0	"	380	ND	96	85-120	2	20	
Xylenes (total)	445	5.0	"	408	ND	109	85-125	8	20	
Gasoline Range Organics (C4-C12)	5260	500	"	4400	640	105	60-140	6	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.89</i>		<i>"</i>	<i>5.00</i>		<i>98</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.11</i>		<i>"</i>	<i>5.00</i>		<i>102</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.72</i>		<i>"</i>	<i>5.00</i>		<i>94</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.08</i>		<i>"</i>	<i>5.00</i>		<i>102</i>	<i>70-120</i>			

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 Project Number: G0C24-0012
 Project Manager: Donna Cosper

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 Reported:
 03/31/06 13:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C18011 - EPA 5030B P/T / EPA 8260B
Blank (6C18011-BLK1)

Prepared & Analyzed: 03/18/06

tert-Amyl methyl ether	ND	0.50	ug/l						
Benzene	ND	0.50	"						PE
tert-Butyl alcohol	ND	20	"						
Di-isopropyl ether	ND	0.50	"						
1,2-Dibromoethane (EDB)	ND	0.50	"						
1,2-Dichloroethane	ND	0.50	"						
Ethanol	ND	300	"						
Ethyl tert-butyl ether	ND	0.50	"						
Ethylbenzene	ND	0.50	"						
Methyl tert-butyl ether	ND	0.50	"						
Toluene	ND	0.50	"						
Xylenes (total)	ND	0.50	"						
Gasoline Range Organics (C4-C12)	ND	50	"						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.73		"	5.00		95	60-135		
<i>Surrogate: Toluene-d8</i>	5.21		"	5.00		104	70-120		
<i>Surrogate: Dibromofluoromethane</i>	4.78		"	5.00		96	65-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	4.99		"	5.00		100	70-120		

Laboratory Control Sample (6C18011-BS1)

Prepared & Analyzed: 03/18/06

tert-Amyl methyl ether	16.7	0.50	ug/l	16.3		102	80-115		
Benzene	6.00	0.50	"	5.04		119	65-115		HL, PE
tert-Butyl alcohol	149	20	"	169		88	75-150		
Di-isopropyl ether	17.7	0.50	"	16.2		109	75-125		
1,2-Dibromoethane (EDB)	16.5	0.50	"	16.6		99	85-120		
1,2-Dichloroethane	17.1	0.50	"	15.5		110	85-130		
Ethanol	132	300	"	165		80	70-135		
Ethyl tert-butyl ether	17.8	0.50	"	16.4		109	75-130		
Ethylbenzene	7.60	0.50	"	7.28		104	75-135		
Methyl tert-butyl ether	8.08	0.50	"	7.84		103	65-125		
Toluene	36.1	0.50	"	38.0		95	85-120		
Xylenes (total)	42.2	0.50	"	40.8		103	85-125		
Gasoline Range Organics (C4-C12)	442	50	"	440		100	60-140		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	5.15		"	5.00		103	60-135		
<i>Surrogate: Toluene-d8</i>	5.22		"	5.00		104	70-120		
<i>Surrogate: Dibromofluoromethane</i>	5.11		"	5.00		102	65-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	5.03		"	5.00		101	70-120		

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 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: ARCO #0608, San Lorenzo, CA
 Project Number: G0C24-0012
 Project Manager: Donna Cosper

 MPC0243
 Reported:
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6C18011 - EPA 5030B P/T / EPA 8260B

Matrix Spike (6C18011-MS1)		Source: MPC0315-06			Prepared: 03/18/06		Analyzed: 03/19/06			
tert-Amyl methyl ether	1640	50	ug/l	1630	ND	101	80-115			
Benzene	604	50	"	504	ND	120	65-115			HL, PE
tert-Butyl alcohol	15500	2000	"	16900	ND	92	75-120			
Di-isopropyl ether	1840	50	"	1620	ND	114	75-125			
1,2-Dibromoethane (EDB)	1660	50	"	1660	ND	100	85-120			
1,2-Dichloroethane	1760	50	"	1550	ND	114	85-130			
Ethanol	14700	30000	"	16500	ND	89	70-135			
Ethyl tert-butyl ether	1790	50	"	1640	ND	109	75-130			
Ethylbenzene	777	50	"	728	ND	107	75-135			
Methyl tert-butyl ether	5390	50	"	784	4800	75	65-125			
Toluene	3610	50	"	3800	ND	95	85-120			
Xylenes (total)	4310	50	"	4080	ND	106	85-125			
Gasoline Range Organics (C4-C12)	49900	5000	"	44000	3000	107	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.13</i>		<i>"</i>	<i>5.00</i>		<i>103</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.19</i>		<i>"</i>	<i>5.00</i>		<i>104</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>4.92</i>		<i>"</i>	<i>5.00</i>		<i>98</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.94</i>		<i>"</i>	<i>5.00</i>		<i>99</i>	<i>70-120</i>			

Matrix Spike Dup (6C18011-MSD1)		Source: MPC0315-06			Prepared: 03/18/06		Analyzed: 03/19/06			
tert-Amyl methyl ether	1580	50	ug/l	1630	ND	97	80-115	4	15	
Benzene	582	50	"	504	ND	115	65-115	4	20	PE
tert-Butyl alcohol	15500	2000	"	16900	ND	92	75-120	0	25	
Di-isopropyl ether	1780	50	"	1620	ND	110	75-125	3	15	
1,2-Dibromoethane (EDB)	1640	50	"	1660	ND	99	85-120	1	15	
1,2-Dichloroethane	1720	50	"	1550	ND	111	85-130	2	20	
Ethanol	13800	30000	"	16500	ND	84	70-135	6	35	
Ethyl tert-butyl ether	1750	50	"	1640	ND	107	75-130	2	25	
Ethylbenzene	737	50	"	728	ND	101	75-135	5	15	
Methyl tert-butyl ether	5350	50	"	784	4800	70	65-125	0.7	20	
Toluene	3490	50	"	3800	ND	92	85-120	3	20	
Xylenes (total)	4150	50	"	4080	ND	102	85-125	4	20	
Gasoline Range Organics (C4-C12)	46900	5000	"	44000	3000	100	60-140	6	25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>5.31</i>		<i>"</i>	<i>5.00</i>		<i>106</i>	<i>60-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>5.34</i>		<i>"</i>	<i>5.00</i>		<i>107</i>	<i>70-120</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>5.09</i>		<i>"</i>	<i>5.00</i>		<i>102</i>	<i>65-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.07</i>		<i>"</i>	<i>5.00</i>		<i>101</i>	<i>70-120</i>			

Sequoia Analytical - Morgan Hill

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



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: G0C24-0012 Project Manager: Donna Cosper	MPC0243 Reported: 03/31/06 13:29
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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
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Batch 6C14038 - General Preparation / EPA 160.2

Blank (6C14038-BLK1)		Prepared: 03/09/06 Analyzed: 03/10/06								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (6C14038-DUP1)		Source: MPC0203-05 Prepared: 03/09/06 Analyzed: 03/10/06								
Total Suspended Solids	43000	10000	ug/l		46000			7	20	

Batch 6C15025 - General Preparation / EPA 410.4

Blank (6C15025-BLK1)		Prepared & Analyzed: 03/15/06								
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (6C15025-BS1)		Prepared & Analyzed: 03/15/06								
Chemical Oxygen Demand	117000	33000	ug/l	111000		105	75-120			
Matrix Spike (6C15025-MS1)		Source: MPC0315-07 Prepared & Analyzed: 03/15/06								
Chemical Oxygen Demand	126000	33000	ug/l	111000	21000	95	75-120			
Matrix Spike Dup (6C15025-MSD1)		Source: MPC0315-07 Prepared & Analyzed: 03/15/06								
Chemical Oxygen Demand	142000	33000	ug/l	111000	21000	109	75-120	12	15	



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

Project: ARCO #0608, San Lorenzo, CA
Project Number: G0C24-0012
Project Manager: Donna Cosper

MPC0243
Reported:
03/31/06 13:29

Notes and Definitions

PE Possible high bias due to CCV falling outside acceptance criteria
HL Analyte recovery above established limit
BB, LN Sample > 4x spike concentration.
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



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): 3/20/06
 (14-day TAT)

On-site Time: <u>1030</u>	Temp: <u>N/A</u>
Off-site Time: <u>1200</u>	Temp: <u>N/A</u>
Sky Conditions: <u>Partly Cloudy</u>	
Meteorological Events: <u>None</u>	
Wind Speed: <u>N/A</u>	Direction: <u>P/A</u>

Lab Name: <u>Sequoia Analytical (Morgan Hill)</u>	BP/AR Facility No.: <u>Station 608</u>	Consultant/Contractor: <u>URS Oakland</u>
Lab Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd, San Lorenzo</u>	Address: <u>1333 Broadway, Suite 800</u>
<u>Morgan Hill, CA</u>	Site Lat/Long: <u>37.673888 / -122.123</u>	<u>Oakland CA 94612</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T000100085</u>	Consultant/Contractor Project No.: <u>38487590</u>
Tele/Fax: <u>408-782-8156/408-782-6308</u>	Enfos Project No.: <u>G0C24-0012</u>	Consultant/Contractor PM: <u>Donna Cospier</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or RCOP: <u>Provision</u>	Tele/Fax: <u>510.893.3600/510.874.3268</u>
Address: <u>P.O. Box 6549</u>	Phase/WBS: <u>03 - O&M</u>	Report Type & QC Level: <u>Level 1 and EDF</u>
<u>Morgan CA 94570</u>	Sub Phase/Task: <u>03 - Analytical</u>	E-mail EDD To: <u>Donna.Cospier@urscorp.com</u>
Tele/Fax: <u>925.299.8891/925.299.8872</u>	Cost Element: <u>05 - Subcontractor Costs</u>	Invoice to: <u>Consultant or BP or Atlantic Richfield Co. (circle one)</u>

Lab Bottle Order No:	Matrix			Preservative					Requested Analysis			Sample Point Lat/Long and Comment							
	Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄		HNO ₃	FCI	Methanol	BTEX/Oxy/TPH (\$260)	COB (410.4)	TSS (160.2)	
1	INF	1140	3/6/06	X			-01	3				X		X				MPC0243	
2	MID-1	1135		X			2	3				X		X					
3	MID-2	1130		X			3	3				X		X					
4	BFPL	1120		X			4	3				X		X					
5	EFPL	1120		X			↓	1	X						X				
6	BFPL	1120		X			↓	1		X				X					
7	TRIP BLANK	1030	✓	X			5	2				X							HOLD
8																			
9																			
10																			

Sampler's Name: <u>Darin Ross</u>	Relinquished By / Affiliation: <u>[Signature] URS</u>	Date: <u>3/6/06</u>	Time: <u>1530</u>	Accepted By / Affiliation: <u>[Signature] URS</u>	Date: <u>3/6/06</u>	Time: <u>1530</u>
Sampler's Company: <u>URS Corp</u>						
Shipment Date: <u>3/6/06</u>						
Shipment Method: <u>Hand (Petabma)</u>						
Shipment Tracking No: <u>N/A</u>						

Special Instructions:

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt 69 °F/C Trip Blank Yes No

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
 REC. BY (PRINT) EB
 WORKORDER: MD0243

DATE REC'D AT LAB: 3/7/04
 TIME REC'D AT LAB: 6810
 DATE LOGGED IN: 3-6-04

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

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 / Absent Intact / Broken*									<div style="position: absolute; top: 0; right: 0; text-align: right;"> 3/7/04 EB </div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5;"> RUC </div>
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #: <u>EDN</u>									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: <u>5.9 C</u> Corrected Temp: <u>5.9 C</u> Is corrected temp 4 +/- 2°C? 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.

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
 REC. BY (PRINT) ACI / GH
 WORKORDER: ACI

DATE Received at Lab: 3-6-06
 TIME Received at Lab: 1530
 LOG IN DATE: MPC0243

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	Dash #	CLIENT ID	CONTAINER DESCRIPTION	pH	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*			INF MID-1 -2	3XPV I		W	3-6	
2. Chain-of-Custody Present / Absent*			ETF	3XPV, 250ptzcel		I	I	
3. Airbill: Airbill / Sticker Present / Absent			I Trip Blank	ILP 2XPV		I	I	
4. Airbill #:								
5. Sample Labels: Present / Absent								
6. Sample IDs: Listed / Not Listed on Chain-of-Custody								
7. Sample Condition: Intact / Broken* / Leaking*								
8. Does information on custody reports, traffic reports, and sample labels agree? Yes/No*								
9. Sample received within hold time: Yes/No*								
10. Proper Preservatives used: Yes/No*								
11. Temperature Blank Received? Yes/No*								
12. Temp Rec. at Lab: <u>6.0</u> degrees C (Acceptance range for samples requiring thermal pres.: 4 +/- 2°C) Yes/No*								
13. Samples collected more than 4 days ago? Yes*/No								

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

Sample Receipt Log
 Revision 2.2 (8/30/04)
 Replaces Revision 2.1 (11/10/00)
 Effective 9/1/04

FIGURE 6b

ATTACHMENT B
OPERATION AND MAINTENANCE FIELD LOGS

Date: 3/6/06

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 (Grundfos SSQ05A-180)	Auto		23.9		

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)	4621920	
ELECTRIC METER READING (kWh)	46363	N/A
Hour Meter Reading (hrs)	27816.3	N/A
FILTER INLET PRESSURE (psig)	(Change filter if pressure > 30 psig) 16	After changing filter = N/A
CARBON #1 INLET PRESSURE (psig)	(Backflush if pressure > 20 psig) 11	After backflush =
CARBON #2 INLET PRESSURE (psig)	(Backflush if pressure > 10 psig) 11	After backflush =
CARBON #3 INLET PRESSURE (psig)	(Backflush if pressure > 10 psig) 5	After backflush =
DISCHARGE PRESSURE (psig)	0	
EFF FLOW RATE (gpm)	0.8 gpm	

PART B: COMMENTS

Note: Padlock on gate failed, replaced w/ dolphin lock.
Will install new padlock on next scheduled visit

55
 03/09/06

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 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14-day TAT	3X40 mL HCl VOA's	YES
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14-day TAT	3X40 mL HCl VOA's	YES
MID 2	GRO/BTEX /Fuel Oxys, EPA 8260, 14-day TAT	3X40 mL HCl VOA's	YES
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	YES
TRIP BLANK	GRO/BTEX, EPA 8260 (on Hold)	2 3X40 mL VOA supplied by the lab	YES

PART E: SYSTEM MAINTENANCE (Every Visit)

Sump Pump Tested?	N/A	Enclosure Swept?	YES
Test Compound Float Switch?	YES	Test Filter Pressure Switch?	NO
Air Solenoid Valve?	N/A	Number of Spare Filters On Site?	0

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

Submersible Pumps Checked?	NO	Flow Totalizers Cleaned?	NO
Control Logics Checked?	NO		

PART G: READINGS (Monthly during week 1)

EFFLUENT	pH (UNITS):	Temperature (°F):	Electrical Conductivity:	Dissolved Oxygen (ppm):
permit limits:	5.5 to 12.5 6.87	150°F / 14.9	1012	1.12 ppm



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): 3/20/06
 (14-day TAT)

On-site Time: <u>1030</u>	Temp: <u>N/A</u>
Off-site Time: <u>1200</u>	Temp: <u>N/A</u>
Sky Conditions: <u>Partly Cloudy</u>	
Meteorological Events: <u>N/A</u>	
Wind Speed: <u>N/A</u>	Direction: <u>N/A</u>

Lab Name: <u>Sequoia Analytical (Morgan Hill)</u>	BP/AR Facility No.: <u>Station 608</u>	Consultant/Contractor: <u>URS Oakland</u>
Lab Address: <u>385 Jarvis Drive</u> <u>Morgan Hill, CA</u>	BP/AR Facility Address: <u>17601 Hesperian Blvd, San Lorenzo</u>	Address: <u>1333 Broadway, Suite 800</u> <u>Oakland CA 94612</u>
Lab PM: <u>Lisa Race</u>	Site Lat/Long: <u>37.673888 / -122.123</u>	Consultant/Contractor Project No.: <u>38487590</u>
Tele/Fax: <u>408-782-3156/408-782-6308</u>	California Global ID No.: <u>T000100085</u>	Consultant/Contractor PM: <u>Donna Cosper</u>
BP/AR PM Contact: <u>Paul Stupple</u>	Enfos Project No.: <u>G0C24-0012</u>	Tele/Fax: <u>510.893.3600/510.874.3268</u>
Address: <u>P.O. Box 6549</u> <u>Moraga CA 94570</u>	Provision or RCOP: <u>Provision</u>	Report Type & QC Level: <u>Level 1 and EDF</u>
Tele/Fax: <u>925.299.3891/925.299.3872</u>	Phase/WBS: <u>03 - O&M</u>	E-mail EDD To: <u>Donna.Cosper@urscorp.com</u>
	Sub Phase/Task: <u>03 - Analytical</u>	Invoice to: <u>Consultant or BP or Atlantic Richfield Co. (circle one)</u>
	Cost Element: <u>05 - Subcontractor Costs</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	ETEX/Oxy/TPH (\$260)	COD (410.4)	TSS (160.2)					
1	INF	1140	3/6/06	X				3						X							
2	MID-1	1135		X				3						X							
3	MID-2	1130		X				3						X							
4	EFFL	1120		X				3						X							
5	EFFL	1120		X				1	X							X					
6	EFFL	1120		X				1	X					X							
7	TRIP BLANK	1030	✓	X				2													HOLD
8																					
9																					
10																					

Sampler's Name: <u>Darin Ross</u>	Relinquished By / Affiliation: <u>[Signature] URS</u>	Date: <u>3/6/06</u>	Time: <u>1530</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>3/6/06</u>	Time: <u>1530</u>
Sampler's Company: <u>URS Corp</u>						
Shipment Date: <u>3/6/06</u>						
Shipment Method: <u>Hand (Petabina)</u>						
Shipment Tracking No: <u>N/A</u>						

Special Instructions: _____

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

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:

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

Field Technician Response:

Completed by: D. Loss Date: 3/22/06
 Arrival time: 10:00 Departure time: 10:45
 Sample this visit?: NO Engineer contacted? NO

55
03/23/06

Date: 3/22/06

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		N/A

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? on-line (if no, specify reason in comments)
 System on departure? on-line (if no, specify reason in comments)
 Filter Changed? No

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
TOTALIZER (gallons)	4637100	
ELECTRIC METER READING (kWh)	46567	N/A
Hour Meter Reading (hrs)	28199.4	N/A
Holding Tank Level	N/A	
FILTER INLET PRESSURE (psig)	(Change filter if pressure > 30 psig) 5	After changing filter =
CARBON #1 INLET PRESSURE (psig)	(Backflush if pressure > 20 psig) 4.5	After backflush =
CARBON #2 INLET PRESSURE (psig)	(Backflush if pressure > 10 psig) 5	After backflush =
CARBON #3 INLET PRESSURE (psig)	(Backflush if pressure > 10 psig) 3.5	After backflush =
DISCHARGE PRESSURE (psig)	0	
BFF FLOW RATE (gpm)	0.89 gpm	

PART B: COMMENTS

Containment pad flooded w/ apparent storm water accumulation. Pad was drained

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 1)

SAMPLE	ANALYSIS	BOTTLE REQUIREMENT	COMPLETE
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	N/A
MID 1	GRO/BTEX /Fuel Oxys, EPA 8260, 14day TAT	3X40 mL HCl VOA's	
MID 1	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?	N/A	Enclosure Swept?	YES
Test Compound Float Switch?	YES	Test Filter Pressure Switch?	NO
Air Solenoid Valve?	N/A	Number of Spare Filters On Site?	2
Test Holding Tank Switches?	N/A		

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

Submersible Pumps Checked?	NO	Flow Totalizers Cleaned?	NO
Control Logics Checked?	NO		

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		