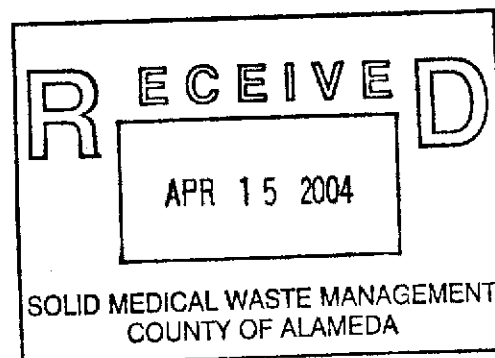


April 8, 2004

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



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

Dear Mr. Carson:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is operating a groundwater extraction and treatment (GWET) system at the site referenced above. This letter transmits GWET system operational data for the period between February 19, 2004 and March 18, 2004 (Tables 1 and 2). Operational parameters are summarized in the table shown below.

<i>Treatment System Status:</i>	<i>Operational</i>
<i>Reporting Period:</i>	02/19/2004 to 03/18/2004
<i>Period Volume Discharged:</i>	70,433 gallons
<i>Effluent pH Reading:</i>	7.08
<i>Average Period Flow Rate:</i>	1.74 gpm
<i>Analytical Report:</i>	Attachment A
<i>O & M Field Information:</i>	Attachment B

DISCUSSION:

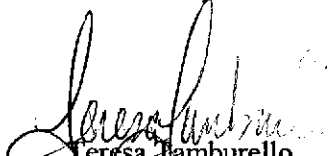
Monthly compliance samples were collected on March 18, 2004, and analyzed for gasoline range organics (GRO), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and fuel oxygenates by EPA Method 8260B. GRO was detected above the laboratory reporting limits in the samples collected between the primary and secondary carbon vessels (MID-1) and the secondary and tertiary carbon vessels (MID-2) at concentrations of 67 µg/L and 86 µg/L, respectively. Methyl tert butyl ether (MTBE) was detected above the laboratory reporting limit in the influent sample and the sample collected between the primary and secondary carbon vessels (MID-1) at concentrations of 27 µg/L and 1.4 µg/L, respectively. Tert-amyl methyl ether (TAME) was detected above laboratory at a concentration of 1.6 µg/L in the influent sample. No other fuel oxygenates were detected above laboratory reporting limits in any of the


compliance samples. None of the constituents were detected above the laboratory reporting limits in the effluent sample.

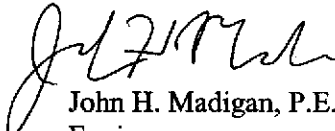
If you have any questions regarding this project or require further information, please do not hesitate to call me at 510-874-3099.

Sincerely,

URS CORPORATION


Teresa Tamburello
Engineer


Scott Robinson
Project Manager


John H. Madigan, P.E.
Engineer



Attachments: Table 1 - Treatment System Metered Volume
Table 2 - Treatment System Analytical Data
Attachment A - Certified Analytical Report and Chain-of-Custody
Documentation, January 22, 2004
Attachment B - Operation and Maintenance Field Logs

cc: Mr. Paul Supple, ARCO, (electronic copy submitted to ENFOS)
Mr. John Kaiser, Regional Water Quality Control Board - San Francisco Bay Region, 1515
Clay Street, Suite 1400, Oakland, CA 94612
Ms. eva chu, Alameda County Health Care Services Agency, 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)
01/16/03	1,486 g	46,442	97	2,625,812	34,453	1,649,212	1.84
02/13/03	2,156 g	47,112	0	2,692,710	66,898	1,716,110	1.67
03/13/03	2,832	47,788	0	2,758,948	66,238	1,782,348	1.63
03/27/03	3,165	48,121	1	2,790,668	31,720	1,814,068	1.58
04/10/03	3,500	48,456	0	2,828,060	37,392	1,851,460	1.86
04/24/03	3,837	48,793	0	2,865,050	36,990	1,888,450	1.83
05/08/03	4,172	49,128	0	2,900,937	35,887	1,924,337	1.79
05/22/03	4,459 h	49,415	14	2,931,190	30,253	1,954,590	1.75
05/30/03	4,459 i	49,415	100	2,931,190	0	1,954,590	0.00
06/05/03	4,606	49,562	0	2,946,180	14,990	1,969,580	1.69
06/19/03	4,940	49,896	1	2,971,985	25,805	1,995,385	1.29
07/11/03	4,940	49,896	100	2,971,985	0	1,995,385	0.00
07/24/03	5,331	50,287	0	2,972,362	377	1,995,762	0.02
08/14/03	5,831	50,787	1	3,013,517	41,532	2,036,917	0.78
08/28/03	6,165	51,121	1	3,040,900	27,383	2,064,300	1.37
09/11/03	6,503	51,459	0	3,067,641	26,741	2,091,041	1.32
09/25/03	6,838	51,794	0	3,095,020	27,379	2,118,420	1.36
10/09/03	7,176	52,132	0	3,122,624	81,724	2,146,024	1.35
10/23/03	7,512	52,468	0	3,149,200	26,576	2,172,600	1.32
11/06/03	NA j	NA	NA	NA	NA	NA	NA
11/20/03	8,182	53,138	0	3,204,612	55,412	2,228,012	1.38
12/04/03	8,518	53,474	0	3,233,956	29,344	2,201,944	0.49
12/18/03	8,851	53,807	1	3,264,487	30,531	2,232,475	1.53
01/08/04	9,356	54,312	0	3,312,485	47,998	2,276,010	1.58
01/22/04	9,690	54,646	1	3,344,994	32,509	2,308,519	1.62
02/05/04	10,026	54,982	0	3,377,510	32,516	2,341,035	1.61
02/19/04	10,357	55,313	2	3,410,457	32,947	2,373,982	1.66
03/04/04	10,695	55,651	0	3,446,501	36,044	2,410,026	1.77
03/18/04	11,030	55,986	0	3,480,890	34,389	2,444,415	1.71
REPORTING PERIOD:						02/19/04 to 03/18/04	
PERIOD AVERAGE FLOW RATE (gpm):						1.74	
PERIOD VOLUME DISCHARGED (gallons):						70,433	

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: $100 - [(\text{Hours Running in Period}) / ((\text{Days in Reporting Period}) * (24 \text{ hours/day}))]$
- l. Data from 11/6/03 site visit is unavailable.

Table 2
Treatment System Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

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

Table 2
Treatment System Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

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

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Treatment System Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

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Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

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

Table 2
Treatment System Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

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

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

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
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

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

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

Table 2
Treatment System Analytical Data
Total Petroleum Hydrocarbons
(TPH as Gasoline and BTEX Compounds)

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

Date Sampled	TPH-g/GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	COD (mg/L)	TSS (mg/L)	pH (units)	DO (mg/L)
EFFL (effluent to sewer) (cont.)										
09/25/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<20	ND<10	6.79	2.70
10/23/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5 (<0.5)*	ND<20	ND<10	6.82	3.45
11/20/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<30	ND<10	6.94	0.84
12/18/03	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.01	0.94
01/22/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.12	0.85
02/19/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	10	6.57	3.82
03/18/04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<20	ND<10	7.08	0.97

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
TSS =Total suspended solids, analyzed using EPA Method 160.2

Notes:

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

ATTACHMENT A

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

URS-Oakland, CA

March 30, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

Project#: Consultant Project No: 38486314.0L041

Project: BP Facility No: 608

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Attached is our report for your samples received on 03/19/2004 13:25

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

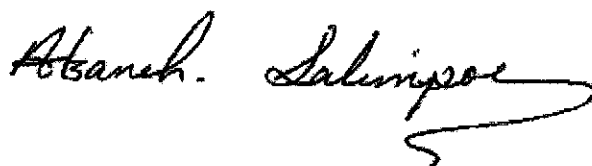
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 05/03/2004 unless you have requested otherwise.

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

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

Sincerely,



Afsaneh Salimpour
Project Manager

Severn Trent Laboratories, Inc.

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

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

URS-Oakland, CA

March 30, 2004

500 12th Street, Suite 200
Oakland, CA 94607-4014

Attn.: Scott Robinson

Project#: Consultant Project No: 38486314.0L041

Project: BP Facility No: 608

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 4 Water samples , on Friday, March 19, 2004
1:25 PM.

Severn Trent Laboratories, Inc.

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

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

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EFFL	03/18/2004 09:00	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

03/25/2004 06:16

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	160.2	Test(s):	160.2
Sample ID:	EFFL	Lab ID:	2004-03-0663 - 4
Sampled:	03/18/2004 09:00	Extracted:	3/23/2004 12:40
Matrix:	Water	QC Batch#:	2004/03/23-01.29

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
TSS	ND	10	mg/L	1.00	03/24/2004 09:54	

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03/25/2004 06:16

Total Suspended Solids (TSS)

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report		
Prep(s): 160.2		Test(s): 160.2
Method: Blank	Water	QC Batch # 2004/03/23-01.29
MB: 2004/03/23-01.29-001		Date Extracted: 03/23/2004 12:40

Compound	Conc.	RL	Unit	Analyzed	Flag
TSS	ND	10	mg/L	03/24/2004 09:48	

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03/25/2004 06:16

Total Suspended Solids (TSS)

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report										
Prep(s): 160.2						Test(s): 160.2				
Laboratory Control Spike				Water			QC Batch # 2004/03/23-01.29			
LCS	2004/03/23-01.29-002			Extracted: 03/23/2004			Analyzed: 03/24/2004 09:48			
LCSD	2004/03/23-01.29-003			Extracted: 03/23/2004			Analyzed: 03/24/2004 09:49			
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
TSS	977	995	1000	97.7	99.5	1.8	80-120	20		

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03/25/2004 06:16

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
INFL	03/18/2004 09:15	Water	1
MID 1	03/18/2004 09:10	Water	2
MID 2	03/18/2004 09:05	Water	3
EFFL	03/18/2004 09:00	Water	4

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03/29/2004 19:53

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	INFL	Lab ID:	2004-03-0663 - 1
Sampled:	03/18/2004 09:15	Extracted:	3/26/2004 20:09
Matrix:	Water	QC Batch#:	2004/03/26-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2004 20:09	
Benzene	ND	0.50	ug/L	1.00	03/26/2004 20:09	
Toluene	ND	0.50	ug/L	1.00	03/26/2004 20:09	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2004 20:09	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2004 20:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/26/2004 20:09	
Methyl tert-butyl ether (MTBE)	27	0.50	ug/L	1.00	03/26/2004 20:09	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/26/2004 20:09	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/26/2004 20:09	
tert-Amyl methyl ether (TAME)	1.6	0.50	ug/L	1.00	03/26/2004 20:09	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	76-114	%	1.00	03/26/2004 20:09	
Toluene-d8	99.1	88-110	%	1.00	03/26/2004 20:09	

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03/29/2004 19:53

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	6030B	Test(s):	8260B
Sample ID:	MID-1	Lab ID:	2004-03-0663 - 2
Sampled:	03/18/2004 09:10	Extracted:	3/24/2004 22:00
Matrix:	Water	QC Batch#:	2004/03/24-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	67	50	ug/L	1.00	03/24/2004 22:00	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 22:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/24/2004 22:00	
Methyl tert-butyl ether (MTBE)	1.4	0.50	ug/L	1.00	03/24/2004 22:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/24/2004 22:00	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/24/2004 22:00	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/24/2004 22:00	
Surrogate(s)						
1,2-Dichloroethane-d4	95.7	76-114	%	1.00	03/24/2004 22:00	
Toluene-d8	94.2	88-110	%	1.00	03/24/2004 22:00	

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Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

500 12th Street, Suite 200
Oakland, CA 94607-4014
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MID-2	Lab ID:	2004-03-0663-3
Sampled:	03/18/2004 09:05	Extracted:	3/24/2004 22:19
Matrix:	Water	QC Batch#:	2004/03/24-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	86	50	ug/L	1.00	03/24/2004 22:19	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 22:19	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/24/2004 22:19	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/24/2004 22:19	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/24/2004 22:19	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/24/2004 22:19	
Surrogate(s)						
1,2-Dichloroethane-d4	100.9	76-114	%	1.00	03/24/2004 22:19	
Toluene-d8	94.5	88-110	%	1.00	03/24/2004 22:19	

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Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

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

Project: Consultant Project No: 38486314.0L041
BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EFFL	Lab ID:	2004-03-0663-4
Sampled:	03/18/2004 09:00	Extracted:	3/24/2004 22:38
Matrix:	Water	GC Batch#:	2004/03/24-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/24/2004 22:38	
Benzene	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Toluene	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2004 22:38	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/24/2004 22:38	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	03/24/2004 22:38	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/24/2004 22:38	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/24/2004 22:38	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-114	%	1.00	03/24/2004 22:38	
Toluene-d8	98.9	88-110	%	1.00	03/24/2004 22:38	

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03/29/2004 19:53

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2004/03/24-2C.68
MB: 2004/03/24-2C.68-001		Date Extracted: 03/24/2004 18:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/24/2004 18:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/24/2004 18:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/24/2004 18:01	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/24/2004 18:01	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/24/2004 18:01	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/24/2004 18:01	
Benzene	ND	0.5	ug/L	03/24/2004 18:01	
Toluene	ND	0.5	ug/L	03/24/2004 18:01	
Ethylbenzene	ND	0.5	ug/L	03/24/2004 18:01	
Total xylenes	ND	1.0	ug/L	03/24/2004 18:01	
Surrogates(s)					
1,2-Dichloroethane-d4	95.4	76-114	%	03/24/2004 18:01	
Toluene-d8	95.4	88-110	%	03/24/2004 18:01	

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Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2004/03/26-2C.64
MB: 2004/03/26-2C.64-026		Date Extracted: 03/26/2004 17:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/26/2004 17:25	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/26/2004 17:25	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/26/2004 17:25	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	03/26/2004 17:25	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/26/2004 17:25	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/26/2004 17:25	
Benzene	ND	0.5	ug/L	03/26/2004 17:25	
Toluene	ND	0.5	ug/L	03/26/2004 17:25	
Ethylbenzene	ND	0.5	ug/L	03/26/2004 17:25	
Total xylenes	ND	1.0	ug/L	03/26/2004 17:25	
Surrogates(s)					
1,2-Dichloroethane-d4	99.4	76-114	%	03/26/2004 17:25	
Toluene-d8	98.0	88-110	%	03/26/2004 17:25	

Severn Trent Laboratories, Inc.

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03/29/2004 19:53

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Laboratory Control Spike	Water	QC Batch # 2004/03/24-2C.68
LCS 2004/03/24-2C.68-008	Extracted: 03/24/2004	Analyzed: 03/24/2004 17:23
LCSD 2004/03/24-2C.68-042	Extracted: 03/24/2004	Analyzed: 03/24/2004 17:42

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.4	22.6	25	89.6	90.4	0.9	65-165	20		
Benzene	21.5	23.1	25	86.0	92.4	7.2	69-129	20		
Toluene	22.9	24.3	25	91.6	97.2	5.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	486	463	500	97.2	92.6		76-114			
Toluene-d8	486	493	500	97.2	98.6		88-110			

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

03/29/2004 19:53

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

500 12th Street, Suite 200

Oakland, CA 94607-4014

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Water			QC Batch # 2004/03/26-2C.64				
LCS	2004/03/26-2C.64-040		Extracted: 03/26/2004			Analyzed: 03/26/2004 16:40				
LCSD	2004/03/26-2C.64-003		Extracted: 03/26/2004			Analyzed: 03/26/2004 17:03				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.4	28.1	25	105.6	112.4	6.2	65-165	20		
Benzene	28.2	29.1	25	112.8	116.4	3.1	69-129	20		
Toluene	27.9	27.3	25	111.6	109.2	2.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	483	472	500	96.6	94.4		76-114			
Toluene-d8	488	492	500	97.6	98.4		88-110			

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

03/29/2004 19:53

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: Consultant Project No: 38486314.0L041

BP Facility No: 608

Received: 03/19/2004 13:25

Site: 18501 Hesperian Blvd., San Lorenzo, CA

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2004/03/24-2C.68
EFFL >> MS		Lab ID:	2004-03-0663-004
MS: 2004/03/24-2C.68-057	Extracted: 03/24/2004	Analyzed:	03/24/2004 22:57
		Dilution:	1.00
MSD: 2004/03/24-2C.68-016	Extracted: 03/24/2004	Analyzed:	03/24/2004 23:16
		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	29.3	27.0	ND	25	117.2	108.0	8.2	65-165	20		
Benzene	26.0	23.9	ND	25	104.0	95.6	8.4	69-129	20		
Toluene	27.7	26.8	ND	25	110.8	107.2	3.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	559	501		500	111.7	100.2		76-114			
Toluene-d8	495	484		500	99.0	96.8		88-110			

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

03/29/2004 19:53

STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2004- 03 - 0663

Checklist completed by: (initials) DSH Date: 03/20/04

Courier name: STL San Francisco Client ABC

Custody seals intact on shipping container/samples

Yes No Not Present

Chain of custody present?

Yes No

Chain of custody signed when relinquished and received?

Yes No

Chain of custody agrees with sample labels?

Yes No

Samples in proper container/bottle?

Yes No

Sample containers intact?

Yes No

Sufficient sample volume for indicated test?

Yes No

All samples received within holding time?

Yes No

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)?

Temp 2.5 °C Yes No

Ice Present Yes No

Water - VOA vials have zero headspace?

No VOA vials submitted Yes No

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

Water - pH acceptable upon receipt? Yes No

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

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

Comments:

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

Project Manager: (initials) _____ Date: ____/____/04

Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):



2004-03-0663

84055

Chain of Custody Record

Project Name Station 608 - 18501 Hesperian Blvd, San Lorenzo, CA
 Business Unit Atlantic Richfield Company/Northern CA Portfolio
 BP Laboratory Contract Number: 4 6 1 0 0 0

Date: 3/16/04

Requested Due Date: 4/1/04
 14 days from sampling date

On-site Time:	0830	Temp:	68
Off-site Time:	1000	Temp:	70
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	N/A	Direction:	N/A

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: STL-SF (Pleasanton)	BP/GEM Facility Address: 18501 Hesperian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1220 Quarry Lane Pleasanton, CA 94566	Site ID No: Station 608	Oakland, CA 94607
	California Global ID #: T0680101663	e-mail EDD: No EDE
Lab PM: Ashish Salimpour	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.01.041
Tele/Fax: 925.484.1919/925.484.1096	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-871-3280/510-374-3268
Report Type & QC Level: Level 1	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
BP/GEM Account No.:		Invoiced to: Atlantic Richfield Company
Lab Bottle Order No.:		BP/GEM Work Release No.:

Item No.	Field Point ID	Sample ID	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Point Lat/Long and Comments				
				Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H2SO4	HNO3	HCl	TPH-g (8260)	PTEX (8260)	MTBE (8260)	COD	TSS	Fuel Oils (8260)					
1	INFL	INFL	0915		X				3					X	X	X								OC Results To:
2	MID-1	MID-1	0910		X				3					X	X	X								George Baughman
3	MID-2	MID-2	0915		X				3					X	X	X								@ URSOAK.COM
4	EFPL	EFPL	0920		X				5	X	X			X	X	X	X	X	X					
5																								
6																								
7																								2.5°C
8																								
9																								
10																								

Sampler's Name: George Baughman	Relinquished By / Affiliation: [Signature]	Date: 3/16/04	Time: 1540	Accepted By / Affiliation: [Signature]	Date: 3/19/04	Time: 1325
Sampler's Company: URS Oakland						
Shipment Date:						
Shipment Method: Hand Deliver						
Shipment Tracking No.:						

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)

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

ATTACHMENT B

OPERATION AND MAINTENANCE FIELD LOGS

Date: 3/4/04

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

System Description:

Groundwater Pumps

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

Carbon Vessels: Three ASC-2.400
Filter: Rosedale P2 25 micron

PART A: SYSTEM DATA (Semi-Monthly)

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

ELECTRIC METER READING (kw hrs)	<u>37061</u>	HOUR METER READING (hrs)	<u>10695.4</u>
		Time:	<u>0945</u>

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	<u>3,446,500</u>	<u>3,446,501</u>
FILTER INLET PRESSURE (psig)	<u>8</u>	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig) / #2	<u>7.5 / 6.5</u>	(ideal range: 5 to 9 psig)
CARBON #3 INLET PRESSURE (psig)	<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 System averaging 2,560 gal/day.

TI 3/5/04

PART C: WELL DATA (Monthly)

* ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS

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

PART D: SAMPLING (Monthly)

To be completed 3/18/04

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

PART E: READINGS (Monthly)

To be Completed 3/18/04

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

PART F: SYSTEM MAINTENANCE I (Monthly)

NUMBER OF SPARE FILTERS ON SITE?	0	CHANGE FILTERS? (if necessary)	No
PUMP AMP DRAW	2/19	H2O2 injection well EA-1 (if necessary)	2/19
SWEEP ENCLOSURE	No		

PART G: SYSTEM MAINTENANCE II (Quarterly)

To be Completed April

TEST ALARM SWITCHES		BACKPLUSH CARBONS	
CLEAN TOTALIZERS			

*3
2/15/04*

Date: 3/18/04

Groundwater Extraction & Treatment System
ARCO Service Station 0608
17601 Hesperian Boulevard
38486314.0LH41
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-2400
 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)	37257	HOUR METER READING (hrs)	11030.3
		Time:	0837

MEASUREMENT	ON ARRIVAL	ON DEPARTURE
TOTALIZER (gallons)	3,480,800	3,480,890
FILTER INLET PRESSURE (psig)	8.0	(ideal range: 8 to 12 psig)
CARBON #1 INLET PRESSURE (psig)	6.5	(ideal range: 5 to 9 psig)
CARBON #2 INLET PRESSURE (psig)	6.0 / 4.6	(ideal range: 1 to 4 psig)
DISCHARGE PRESSURE (psig)	1.0	(ideal range: 0 to 2 psig)

PART B: COMMENTS System Average: 2,085 gal/day

RECEIVED

N 3/20/04

PART C: WELL DATA (Monthly)

* ALLOW SYSTEM TO RUN 1 HOUR BEFORE OBTAINING DTW READINGS

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

PART D: SAMPLING (Monthly)

SAMPLE	ANALYSIS	COMPLETED
INFLUENT	TPH-gasoline, BTEX compounds, MIBE	3/18
EFFLUENT	TPH-gasoline, BTEX compounds, MIBE COD, TSS	3/18
MID-1	TPH-gasoline, BTEX compounds, MIBE	3/18
MID-2	TPH-gasoline, BTEX compounds, MIBE	3/18

PART E: READINGS (Monthly)

EFFLUENT	TEMP (°F)	CONDUCTIVITY (umhos)	pH (units)	DISSOLVED OXYGEN (ppm)
	19.8°C	1032 µS	7.08	0.97

PART F: SYSTEM MAINTENANCE I (Monthly)

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

PART G: SYSTEM MAINTENANCE II (Quarterly)

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

RECEIVED

N:Projects/IT/ARCO/809628/O&MDataSheetGWE

MAR 18 2004

KI 3/20/04



30 March, 2004

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

RE: BP
Work Order: P403454

Enclosed are the results of analyses for samples received by the laboratory on 03/22/04 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari
Project Manager

CA ELAP Certificate #2374

Severn Trent Laboratories, San Francisco
1220 Quarry Lane
Pleasanton CA, 94566Project: BP
Project Number: ARCO#608/San Lorenzo 2004-03-0663
Project Manager: Afsaneh SalimpourP403454
Reported:
03/30/04 16:48**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EFFL	P403454-01	Water	03/18/04 09:00	03/22/04 12:00



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

Project: BP
Project Number: ARCO#608/San Lorenzo 2004-03-0663
Project Manager: Afsaneh Salimpour

P403454
Reported:
03/30/04 16:48

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

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
EFFL (P403454-01) Water Sampled: 03/18/04 09:00 Received: 03/22/04 12:00									
Chemical Oxygen Demand	ND	20000	ug/l	1	4030834	03/29/04	03/29/04	EPA 410.4	

Severn Trent Laboratories, San Francisco 1220 Quarry Lane Pleasanton CA, 94566	Project: BP Project Number: ARCO#608/San Lorenzo 2004-03-0663 Project Manager: Afsaneh Salimpour	P403454 Reported: 03/30/04 16:48
--	--	--

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4030834 - General Preparation										
Blank (4030834-BLK1)										
Chemical Oxygen Demand	ND	20000	ug/l							Prepared & Analyzed: 03/29/04
Laboratory Control Sample (4030834-BS1)										
Chemical Oxygen Demand	236000	20000	ug/l	250000		94	80-120			Prepared & Analyzed: 03/29/04
Matrix Spike (4030834-MS1)										
Chemical Oxygen Demand	496000	40000	ug/l	500000	ND	99	75-125			Source: P403268-01 Prepared & Analyzed: 03/29/04
Matrix Spike Dup (4030834-MSD1)										
Chemical Oxygen Demand	496000	40000	ug/l	500000	ND	99	75-125	0	20	Source: P403268-01 Prepared & Analyzed: 03/29/04



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

Project: BP
Project Number: ARCO#608/San Lorenzo 2004-03-0663
Project Manager: Afsaneh Salimpour

P403454
Reported:
03/30/04 16:48

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SEVERN

TRENT

STL

Chain of Custody

Date Shipped: 3/22/2004

2004-03-0663 - 1

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

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

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

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

CL Submission #: 2004-03-0663

Project #: Consultant Project No:
38486314.0L041

CL PO #:

Project Name: BP Facility No: 608

Table with columns: Client Sample ID, Analysis, CL#, Sampled, Matrix, Method, TAT. Row 1: EFFL, Subcontract - COD, 4, 3/18/2004 9:00:00AM, Water, 410.4, 5 Day.

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

BILL & REPORT
DIRECTLY TO THE CLIENT
SEE ATTACHED PAGE

COOLER CUSTODY SEALS INTACT []
NOT INTACT []
COOLER TEMPERATURE 6.0 °C

RELINQUISHED BY: M. VILLANUBRA 03/22/04
Signature, Printed Name, Company

RELINQUISHED BY: Steve 1156 2/22/04
Signature, Printed Name, Company

RELINQUISHED BY:
Signature, Printed Name, Company

RECEIVED BY: Steve 0945 3/22/04
Signature, Printed Name, Company

RECEIVED BY: GAIL HELLMANN 3/22/04 12:00
Signature, Printed Name, Company

RECEIVED BY:
Signature, Printed Name, Company



2004-03-0663

84055

Chain of Custody Record

Project Name Station 608 -18501 Hesperian Blvd, San Lorenzo, CA
 Business Unit Atlantic Richfield Company/Northern CA Portfolio
 BP Laboratory Contract Number: 4 6 1 0 0 0

On-site Time:	0830	Temp:	68
Off-site Time:	1000	Temp:	70
Sky Conditions:	Sunny		
Meteorological Events:	None		
Wind Speed:	N/A	Direction:	N/A

Date: 3/18/04

Requested Due Date: 4/1/04
 14 days from sampling date

Send To:	BP/GEM Facility No.: Station 608	Consultant: URS Oakland
Lab Name: STL-SF (Pleasanton)	BP/GEM Facility Address: 18501 Hesperian Blvd, San Lorenzo, CA	Address: 500 12th Street, #200
Lab Address: 1220 Quarry Lane Pleasanton, CA 94566	Site ID No. Station 608	Oakland, CA 94607
	California Global ID #: T0600101665	e-mail EDD: No EDF
	BP/GEM PM Contact: Paul Supple	Consultant Project No.: 38486314.0L041
Lab PM: Afsaneh Salimpour	Address: P.O. Box 6549, Moraga, CA 94570	Consultant Tele/Fax: 510-874-3280/510-874-3268
Tele/Fax: 925.484.1919/925.484.1096	Tele/Fax: 925-299-8891/925-299-8872	Consultant PM: Scott Robinson
Report Type & QC Level: Level 1		Invoice to: Atlantic Richfield Company
BP/GEM Account No.:		BP/GEM Work Release No:

Item No.	Field Point ID	Sample ID	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis					Sample Point Lat/Long and Comments		
				Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-g (8260)	BTEX (8260)	MTEB (8260)	COD	TSS		Fuel Oxy. (8260)	
1	INFL	INFL	0915	X					3				X	X	X			X			cc Results to:
2	MID-1	MID-1	0910	X					3				X	X	X			X			GEORGE BRADSHAW
3	MID-2	MID-2	0905	X					3				X	X	X			X			@URSCORP.COM
4	EFFL	EFFL	0900	X					5	X	X		X	X	X	X	X	X			
5																					
6																					
7																					2.5°C
8																					
9																					
10																					

Sampler's Name: George Bradshaw	Relinquished By / Affiliation: [Signature]	Date: 3/18/04	Time: 1340	Accepted By / Affiliation: [Signature]	Date: 3/19/04	Time: 1346
Sampler's Company: URS Oakland	[Signature]	3/19/04	1030	[Signature]	3/19/04	1030
Shipment Date:	[Signature]	3/19/04	1325	[Signature]	3/19/04	1325
Shipment Method: Hand Deliver	[Signature]			Nounak		
Shipment Tracking No:					3/19/04	1325

Special Instructions: COD = Chemical Oxygen Demand (3 VOS's w/ H2SO4), TSS = Total Suspended Solids (1 Liter poly unpreserved)

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