



OCT 24 2001

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AG

IT Corporation

1921 Ringwood Avenue
San Jose, CA 95131-1721
Tel. 408.453.7300
Fax. 408.437.9526

A Member of The IT Group

October 17, 2001
Project 311-058.1A

Mr. Chuck Headlee
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Re: 76 Service Station 5760
Quarterly Summary Report
Third Quarter 2001

Dear Mr. Headlee:

As directed by Mr. David DeWitt of Phillips 66 Company, formerly Tosco Marketing Company, IT Corporation (IT) is forwarding the quarterly summary report for the following location:

Service Station

5760

Location

376 Lewelling Boulevard, San Lorenzo

If you have questions or comments, please do not hesitate to contact our office at (408) 453-7300.

Sincerely,

IT Corporation

Timothy L. Ripp
Project Geologist

Enclosure

cc: Mr. David DeWitt, Phillips 66 Company
 Ms. Amy Leech, Alameda County Environmental Health Care Services

Quarterly Summary Report Third Quarter 2001

76 Service Station 5760
376 Lewelling Boulevard
San Lorenzo, California

City/County ID #: None
County: Alameda

BACKGROUND

The underground storage tanks were removed and replaced in November 1987. Currently, there are nine monitoring wells on site. Groundwater monitoring and sampling began in February 1988, and have been performed semiannually since February 1996.

Groundwater extraction and soil vapor extraction systems were installed in August and September 1995. In response to a diminishing mass removal rate, the remedial system was shut down in February 1997.

The underground product piping was replaced in June 1998.

RECENT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities were performed in September 2001.

NEXT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities performed in September 2001 will be reported in November 2001.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.

Dissolved groundwater delineated? Yes.

Free product delineated? Yes.

Amount of groundwater contaminant recovered to date? Approximately 115 pounds.

Soil remediation in progress? No.

Start? October 1995.

Completion date? February 1997.

Dissolved/free product remediation in progress? No.

Start? October 1995.

Completion? February 1997.

CONSULTANT: IT Corporation.



GETTLER-RYAN INC.

TRANSMITTAL

STG
1746 ✓

October 15, 2001

G-R #180109

NOV 01 2001

TO: Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

CC: Mr. Tim Ripp
IT Corporation
1921 Ringwood Avenue
San Jose, California 95131

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Tosco (Unocal) Service Station
#5760
376 Lewelling Boulevard
San Lorenzo, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 4, 2001	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of September 4, 2001

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **October 29, 2001**, this report will be distributed to the following:

cc: Mr. Amir K. Gholami, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501

Enclosure

Review B
resp - dbd
11/5/01
(8)

trans/5760-dbd



GETTLER - RYAN INC.

October 4, 2001
G-R Job #180109

Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RE: Second Semi-Annual Event of September 4, 2001
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5760
376 Lewelling Boulevard
San Lorenzo, California


Dear Mr. De Witt:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

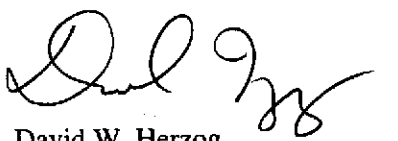
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are summarized in Table 3. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,


- FOR -

Deanna L. Harding
Project Coordinator


David W. Herzog
Senior Geologist, R.G. No. 7211

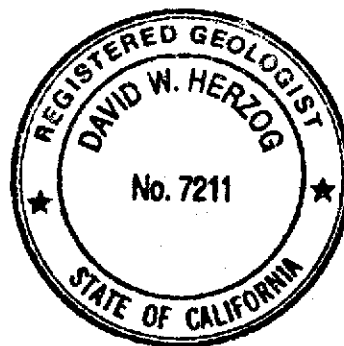
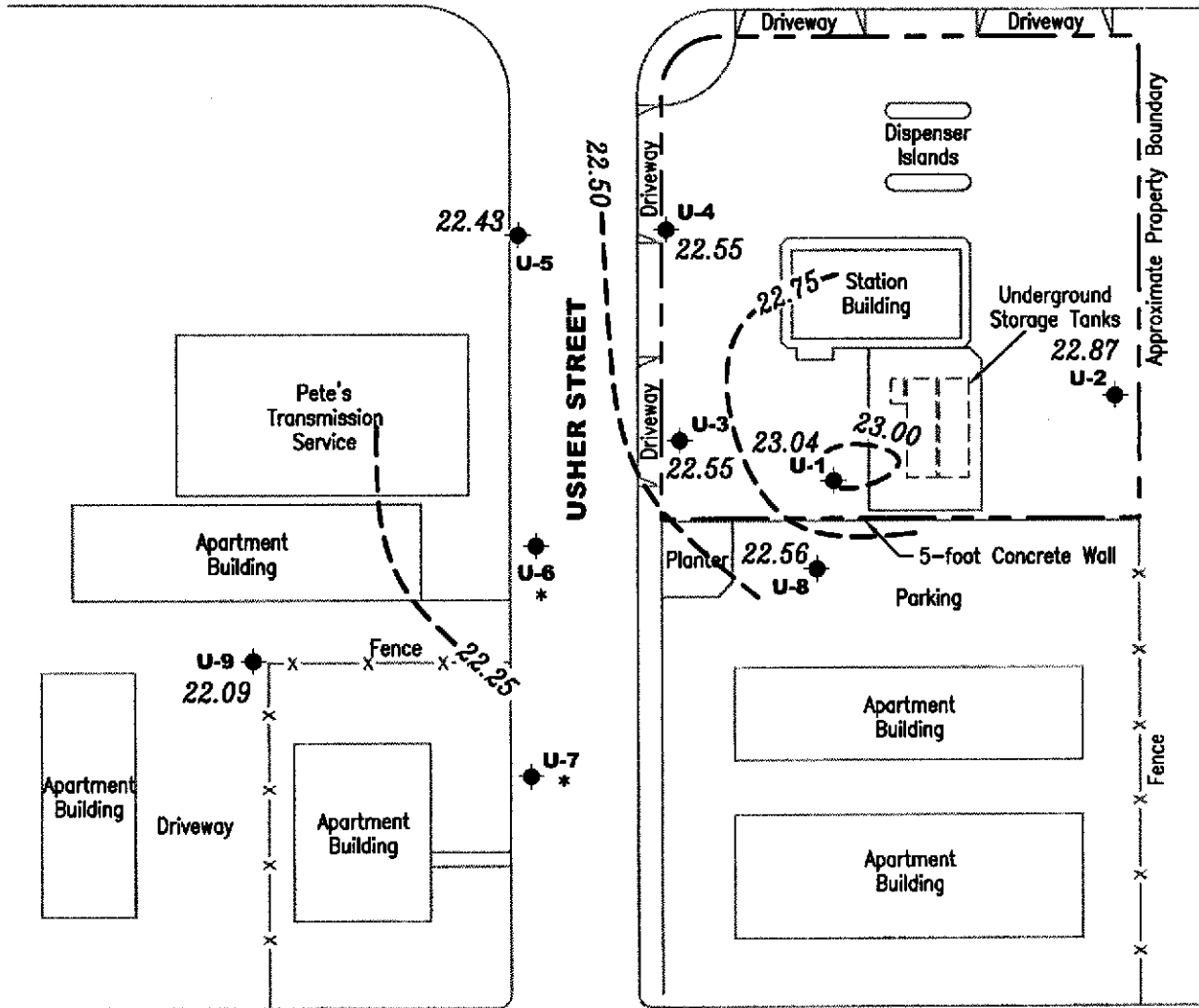


Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Dissolved Oxygen Concentrations
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

5760.qml

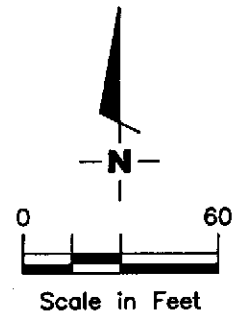
LEWELLING BOULEVARD



EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 - Groundwater elevation contour, dashed where inferred.
- * Inaccessible - well paved over

Approximate groundwater flow direction at a gradient of 0.003 to 0.02 FT./FT.



Source: Figure modified from drawing provided by MPDS Services, Inc.

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

FIGURE

1

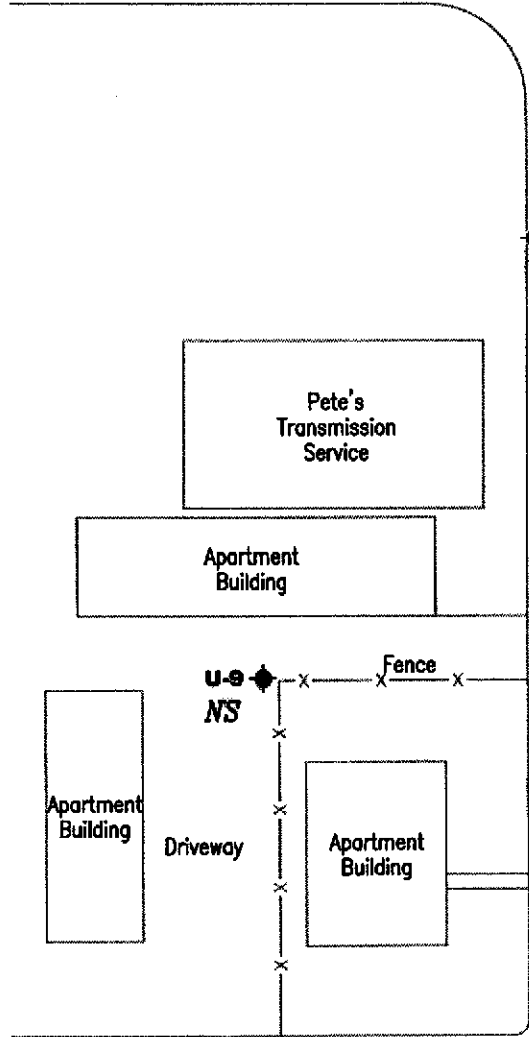
PROJECT NUMBER
 180109

REVIEWED BY

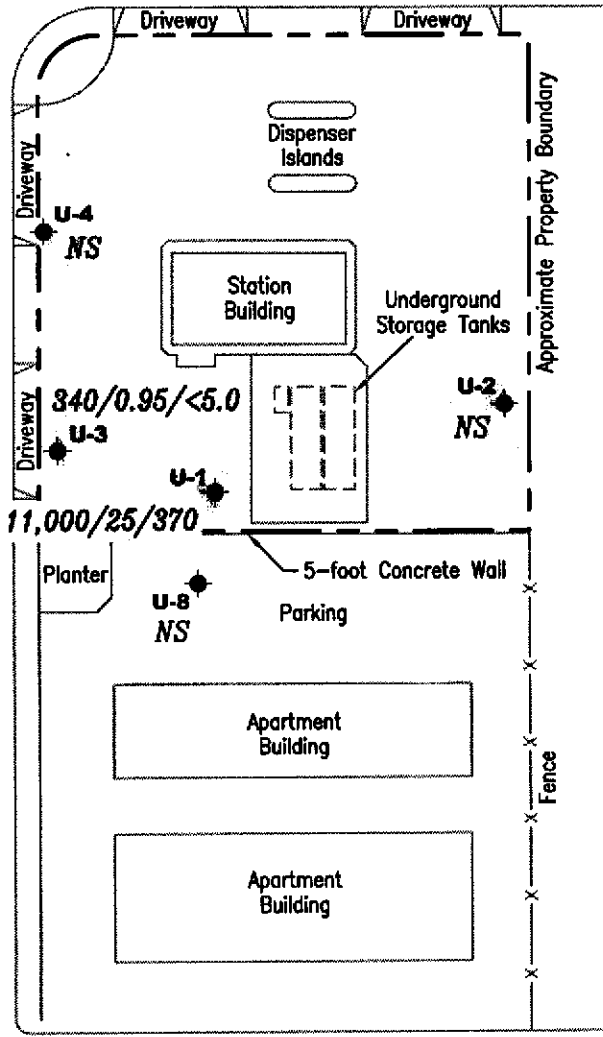
DATE
 September 4, 2001

REVISED DATE

LEWELLING BOULEVARD



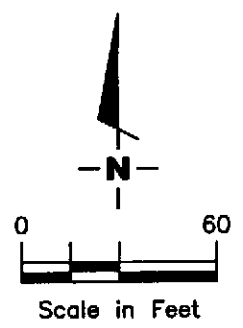
USHER STREET



ALBION AVENUE

EXPLANATION

- ◆ Groundwater monitoring well
- A/B/C TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene/MTBE concentrations in ppb
- * Inaccessible - well paved over
- NS Not Sampled



Source: Figure modified from drawing provided by MPDS Services, Inc.

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 Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

FIGURE
2

PROJECT NUMBER
180109

REVIEWED BY

DATE
September 4, 2001

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (pph)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
U-1	02/09/88	--	10.5-30.5	--	--	93,000	3,600	11,000	-- ¹	20,000	--	
	03/20/90	--		--	--	36,000	2,100	5,500	1,900	9,300	--	
	06/05/90	--		--	--	46,000	2,300	5,500	2,500	11,000	--	
	08/24/90	--		--	--	27,000	1,200	1,800	1,400	5,500	--	
	12/05/90	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	03/04/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	06/03/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	09/19/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	12/04/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	03/05/92	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	04/07/92	--		--	--	NOT SAMPLED - PRODUCT SKIMMER INSTALLED IN WELL					--	
	08/06/92	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	11/20/92	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	02/12/93	--		--	--	70,000	2,200	8,400	3,100	18,000	--	
40.51	06/04/93	16.72		23.79	0.00	35,000	1,300	5,700	900	9,200	--	
	09/09/93	17.77		22.74	0.00	67,000	2,900	18,000	6,200	32,000	--	
40.20	12/02/93	18.36		21.84	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	
	03/09/94	17.20		23.00	0.00	45,000	930	4,100	2,000	11,000	--	
	06/09/94	17.42		22.78	0.00	59,000	5,200	1,300	5,200	15,000	--	
	09/07/94	18.17		22.03	0.00	41,000	1,600	6,200	3,100	16,000	--	
	12/05/94	16.67		23.53	0.00	1,300	55	20	16	330	--	
	03/09/95	15.82		24.38	0.00	49,000	860	3,200	1,900	10,000	1,500	
	06/13/95	14.70		25.50	0.00	53,000	1,400	5,000	2,500	14,000	2,800	
40.01**	09/12/95	16.77		23.24	0.00	43,000	910	2,700	1,700	9,600	1,400	
40.20	12/14/95	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING								--	--	--
	03/20/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING								--	--	--
	03/22/96	--		--	--	13,000	200	590	640	4,000	790	
	09/24/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING								--	--	--
	03/27/97	15.29		24.91	0.00	1,300	8.0	ND	ND	400	ND	
	09/23/97	17.20		23.00	0.00	2,000	15	ND	ND	530	ND	
	03/10/98	12.68		27.52	0.00	2,200 ⁶	19	4.8	ND ⁷	980	38	

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product						
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-1	09/04/98	16.84	10.5-30.5	23.36	0.00	5,300 ⁸	53	ND ⁷	410	620	ND ⁷
(cont)	03/04/99	13.04		27.16	0.00	1,500	19	ND ⁷	56	110	310
	09/13/99	17.14		23.06	0.00	5,850 ⁸	32.7	ND ⁷	520	925	ND ⁷
	03/21/00	14.36		25.84	0.00	4,820 ⁸	17.4	7.74	297	1,370	ND ⁷
	09/18/00	16.72		23.48	0.00	647 ⁹	6.44	ND ⁷	22.3	6.86	22.2
	10/13/00	16.85		23.35	0.00	--	--	--	--	--	--/29 ¹⁰
	03/16/01	15.84		24.36	0.00	4,950 ¹¹	1.73	1.77	429	536	613
	09/04/01	17.16		23.04	0.00	11,000⁹	25	<10	1,100	1,800	370
U-2	08/23/90	--	15.0-30.0	--	--	ND	ND	ND	ND	ND	--
	12/05/90	--		--	--	ND	ND	ND	ND	ND	--
	03/04/91	--		--	--	ND	ND	0.9	ND	2.6	--
	06/03/91	--		--	--	ND	ND	ND	ND	ND	--
	09/19/91	--		--	--	ND	ND	ND	ND	ND	--
	12/04/91	--		--	--	ND	ND	ND	ND	ND	--
	03/05/92	--		--	--	ND	ND	0.36	ND	ND	--
	04/07/92	--		--	--	ND	ND	ND	ND	ND	--
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--
	11/20/92	--		--	--	ND	ND	ND	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--
41.62	06/04/93	17.59		24.03	0.00	ND	ND	ND	ND	ND	--
	09/09/93	18.68		22.94	0.00	ND	ND	ND	ND	ND	--
41.26	12/02/93	19.23		22.03	0.00	ND	ND	ND	ND	ND	--
	03/09/94	18.05		23.21	0.00	62	1.1	5.4	1.1	9.7	--
	04/13/94	18.18		23.08	0.00	ND	ND	ND	ND	ND	--
	06/09/94	18.26		23.00	0.00	ND	ND	ND	ND	ND	--
	09/07/94	19.28		21.98	0.00	ND	ND	0.63	ND	0.61	--
	12/05/94	18.82		22.44	0.00	ND	ND	ND	ND	ND	--
	03/09/95	16.96		24.30	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	16.71		24.55	0.00	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product						
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-2	09/12/95	17.80	15.0-30.0	23.46	0.00	ND	ND	ND	ND	ND	ND
(cont)	12/14/95	18.18		23.08	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	15.02		26.24	0.00	--	--	--	--	--	--
	09/24/96	17.90		23.36	0.00	--	--	--	--	--	--
	03/27/97	16.45		24.81	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	18.40		22.86	0.00	--	--	--	--	--	--
	03/10/98	13.79		27.47	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	17.98		23.28	0.00	--	--	--	--	--	--
	03/04/99	14.96		26.30	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	18.25		23.01	0.00	--	--	--	--	--	--
	03/21/00	15.54		25.72	0.00	ND	ND	ND	ND	ND	ND
	09/18/00	17.55		23.71	0.00	--	--	--	--	--	--
	03/16/01	17.06		24.20	0.00	--	--	--	--	--	--
	09/04/01	18.39		22.87	0.00	--	--	--	--	--	--
U-3	08/23/90	--	15.0-25.0	--	--	110,000	4,400	13,000	2,800	17,000	--
	12/05/90	--		--	--	69,000	1,900	3,500	1,600	9,800	--
	01/18/91	--		--	--	51,000	1,700	3,100	1,500	7,500	--
	03/04/91	--		--	--	84,000	1,400	10,000	2,900	17,000	--
	06/03/91	--		--	--	130,000	5,800	19,000	4,600	24,000	--
	09/19/91	--		--	--	61,000	3,300	9,700	2,800	15,000	--
	12/04/91	--		--	--	75,000	2,500	6,100	1,900	11,000	--
	03/05/92	--		--	--	160,000	5,300	15,000	5,400	26,000	--
	04/07/92	--		--	--	97,000	6,100	16,000	5,400	28,000	--
	08/06/92	--		--	--	140,000	5,100	13,000	5,000	23,000	--
	11/20/92	--		--	--	50,000	3,200	4,700	1,900	10,000	--
	02/12/93	--		--	--	80,000	3,700	9,400	3,700	18,000	--
39.64	06/04/93	15.48		24.16	0.00	92,000	2,900	8,700	4,300	20,000	--
	09/09/93	17.04		22.60	0.00	110,000	2,800	10,000	6,500	31,000	--
39.26	12/02/93	17.55		21.71	0.00	110,000	3,200	7,700	5,600	26,000	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5760
376 Lewelling Boulevard
San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	Product						
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-3	03/09/94	16.35	15.0-25.0	22.91	0.00	120,000	4,500	8,300	5,600	28,000	--
(cont)	06/09/94	16.60		22.66	0.00	120,000 ⁴	3,300	6,100	5,200	26,000	--
	09/07/94	17.61		21.65	0.00	100,000	2,400	4,900	4,200	21,000	--
	12/05/94	17.08		22.18	0.00	140,000	3,100	5,100	4,900	21,000	--
	03/09/95	15.20		24.06	0.00	100,000	2,300	3,300	4,800	21,000	54,000
	06/13/95	15.11		24.15	0.00	64,000	1,700	1,500	3,800	18,000	900
39.26**	09/12/95	16.11		23.15	0.00	69,000	1,700	820	4,000	19,000	29,000
	12/14/95	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	--
	03/20/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	--
	03/22/96	--		--	--	15,000	150	490	480	3,100	400
	09/24/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	--
	03/27/97	14.77		24.49	0.00	110	ND	ND	ND	0.62	9.6
	09/23/97	16.74		22.52	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	12.18		27.08	0.00	ND	ND	ND	ND	3.1	ND
	09/04/98	16.46		22.80	0.00	ND	ND	ND	1.2	2.3	ND
	03/04/99	13.48		25.78	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	16.71		22.55	0.00	ND	ND	1.77	ND	1.06	9.08
	03/21/00	13.87		25.39	0.00	18,700 ⁸	ND ⁷	ND ⁷	1,290	4,770	ND ⁷
	09/18/00	16.12		23.14	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	15.35		23.91	0.00	2,310 ¹²	ND	ND	184	618	ND
	09/04/01	16.71		22.55	0.00	340 ⁹	0.95	<0.50	8.1	18	<5.0
U-4	08/23/90	--	15.0-28.0	--	--	ND	ND	1.0	ND	1.8	--
	12/05/90	--		--	--	ND	ND	ND	ND	ND	--
	01/18/91	--		--	--	ND	ND	ND	ND	ND	--
	03/04/91	--		--	--	ND	ND	ND	ND	ND	--
	06/03/91	--		--	--	ND	ND	ND	ND	ND	--
	09/19/91	--		--	--	ND	ND	ND	ND	ND	--
	12/04/91	--		--	--	ND	ND	ND	ND	ND	--
	03/05/92	--		--	--	ND	ND	ND	ND	ND	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5760
376 Lewelling Boulevard
San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product						MTBE (ppb)	
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
U-4	04/07/92	--	15.0-28.0	--	--	ND	ND	ND	ND	ND	ND	--
(cont)	08/06/92	--		--	--	ND	ND	ND	ND	ND	ND	--
	11/20/92	--		--	--	ND	ND	2.5	ND	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	ND	--
40.53	06/04/93	16.73		23.80	0.00	ND	ND	ND	ND	ND	ND	--
	09/09/93	16.89		23.64	0.00	ND	ND	ND	ND	ND	ND	--
40.25	12/02/93	18.46		21.79	0.00	ND	ND	ND	ND	ND	2.6	--
	03/09/94	17.30		22.95	0.00	ND	1.4	4.7	1.1	8.1		--
	04/13/94	17.44		22.81	0.00	ND	ND	ND	ND	ND		--
	06/09/94	17.53		22.72	0.00	ND	ND	ND	ND	ND		--
40.28	09/07/94	18.52		21.76	0.00	ND	ND	1.1	ND	1.0		--
	12/05/94	18.08		22.20	0.00	ND	ND	ND	ND	ND		--
	03/09/95	16.16		24.12	0.00	ND	ND	ND	ND	ND		ND
40.25	06/13/95	15.95		24.30	0.00	ND	ND	ND	ND	ND		2.7
	09/12/95	17.10		23.15	0.00	ND	ND	ND	ND	ND		ND
	12/14/95	17.43		22.82	0.00	ND	ND	ND	ND	ND		1.3
	03/20/96	14.93		25.32	0.00	--	--	--	--	--		--
	09/24/96	17.19		23.06	0.00	--	--	--	--	--		--
	03/27/97	15.66		24.59	0.00	ND	ND	ND	ND	ND		ND
	09/23/97	17.69		22.56	0.00	--	--	--	--	--		--
	03/10/98	12.99		27.26	0.00	ND	ND	ND	ND	ND		ND
	09/04/98	17.28		22.97	0.00	--	--	--	--	--		--
	03/04/99	14.17		26.08	0.00	ND	ND	ND	ND	ND		ND
	09/13/99	17.55		22.70	0.00	--	--	--	--	--		--
	03/21/00	14.74		25.51	0.00	ND	ND	ND	ND	ND		ND
	09/18/00	16.88		23.37	0.00	--	--	--	--	--		--
	03/16/01	16.32		23.93	0.00	--	--	--	--	--		--
	09/04/01	17.70		22.55	0.00	--	--	--	--	--		--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product							
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
U-5	04/07/92	--	15.0-30.0	--	--	ND	ND	ND	ND	ND	--	
	08/06/92	--		--	ND	ND	ND	ND	ND	--		
	11/20/92	--		--	ND	ND	ND	ND	ND	--		
	02/12/93	--		--	ND	ND	ND	ND	ND	--		
39.61	06/04/93	16.05		23.56	0.00	ND	ND	ND	ND	ND	--	
	09/09/93	16.90		22.71	0.00	ND	ND	ND	ND	ND	--	
39.31	12/02/93	17.66		21.65	0.00	ND	ND	ND	ND	ND	--	
	03/09/94	16.45		22.86	0.00	71	1.7	6.3	1.5	10	--	
	04/13/94	16.64		22.67	0.00	ND	ND	ND	ND	ND	--	
	06/09/94	16.70		22.61	0.00	ND	ND	ND	ND	ND	--	
	09/07/94	17.73		21.58	0.00	ND	ND	0.73	ND	0.84	--	
	12/05/94	17.23		22.08	0.00	ND	ND	ND	ND	ND	--	
	03/09/95	15.35		23.96	0.00	ND	ND	ND	ND	ND	ND	
	06/13/95	15.16		24.15	0.00	ND	ND	ND	ND	ND	0.87	
	09/12/95	16.30		23.01	0.00	ND	ND	ND	ND	ND	ND	
	12/14/95	16.56		22.75	0.00	ND	ND	ND	ND	ND	ND	
	03/20/96	14.07		25.24	0.00	--	--	--	--	--	--	
	09/24/96	16.55		22.76	0.00	--	--	--	--	--	--	
	03/27/97	14.85		24.46	0.00	ND	ND	ND	ND	ND	ND	
	09/23/97	16.90		22.41	0.00	SAMPLED ANNUALLY			--	--	--	--
	03/10/98	12.21		27.10	0.00	ND	ND	ND	ND	ND	ND	
	09/04/98	16.57		22.74	0.00	--	--	--	--	--	--	
	03/04/99	13.42		25.89	0.00	ND	ND	0.67	ND	ND	ND	
	09/13/99	17.02		22.29	0.00	--	--	--	--	--	--	
	03/21/00	13.93		25.38	0.00	ND	ND	ND	ND	ND	ND	
	09/18/00	16.17		23.14	0.00	--	--	--	--	--	--	
03/16/01	15.51		23.80	0.00	ND	ND	ND	ND	ND	ND		
09/04/01	16.88		22.43	0.00	--	--	--	--	--	--		

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5760
376 Lewelling Boulevard
San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product							
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
U-6	04/07/92	--	13.0-28.0	--	--	6,600	90	ND	820	1,200	--	
	08/06/92	--		--	--	9,200	160	ND	360	150	--	
	11/20/92	INACCESSIBLE		--	--	--	--	--	--	--	--	
	02/12/93	--		--	--	2,600	27	ND	120	51	--	
37.94	06/04/93	14.45		23.49	0.00	13,000	100	38	450	320	--	
	09/09/93	15.56		22.38	0.00	6,300 ³	29	ND	120	34	--	
37.68	12/02/93	16.08		21.60	0.00	2,100	12	1.6	21	1.1	--	
	03/09/94	14.90		22.78	0.00	2,200	11	8.2	24	16	--	
	06/09/94	15.18		22.50	0.00	2,600 ⁴	16	ND	29	ND	--	
	09/07/94	16.20		21.48	0.00	16,004	ND	ND	ND	ND	--	
	12/05/94	15.60		22.08	0.00	450 ⁵	ND	ND	ND	ND	--	
	03/09/95	13.74		23.94	0.00	2,500	29	ND	70	120	320	
	06/13/95	13.73		23.95	0.00	1,300	ND	ND	20	46	5,400	
	09/12/95	14.85		22.83	0.00	ND	ND	ND	ND	ND	6,600	
	12/14/95	14.89		22.79	0.00	760	ND	ND	7.0	8.4	1,100	
	03/20/96	12.41		25.27	0.00	52	1.1	0.98	ND	0.75	1,200	
	09/24/96	15.06		22.62	0.00	ND	ND	ND	ND	ND	750	
	03/27/97	13.48		24.20	0.00	ND	ND	ND	ND	ND	150	
	09/23/97	15.36		22.32	0.00	66	0.81	ND	ND	ND	150	
	03/10/98	10.90		26.78	0.00	ND	ND	ND	ND	ND	18	
	09/04/98	14.85		22.83	0.00	ND	ND	ND	ND	ND	ND	
	03/04/99	12.10		25.58	0.00	ND	ND	ND	ND	ND	6.5	
	09/13/99	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--	--
	03/21/00	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--	--
	09/18/00	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--	--
	03/16/01	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--	--
09/04/01	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5760
376 Lewelling Boulevard
San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (fl.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-7	04/07/92	--	15.0-35.0	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--
	11/20/92	--		--	--	ND	ND	ND	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--
37.49	06/04/93	14.17		23.32	0.00	ND	ND	ND	ND	ND	--
	09/09/93	15.23		22.26	0.00	ND	ND	ND	ND	ND	--
37.11	12/02/93	15.61		21.50	0.00	ND	ND	ND	ND	ND	--
	03/09/94	14.45		22.66	0.00	ND	1.4	4.4	0.96	7.5	--
	04/13/94	14.63		22.48	0.00	ND	ND	ND	ND	ND	--
	06/09/94	14.70		22.41	0.00	ND	ND	ND	ND	ND	--
	09/07/94	15.72		21.39	0.00	ND	ND	ND	ND	ND	--
	12/05/94	15.10		22.01	0.00	ND	ND	ND	ND	ND	--
	03/09/95	13.36		23.75	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	13.33		23.78	0.00	ND	ND	ND	ND	ND	3.5
	09/12/95	14.40		22.71	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	14.39		22.72	0.00	ND	ND	ND	ND	ND	1.4
	03/20/96	11.96		25.15	0.00	--	--	--	--	--	--
	09/24/96	14.59		22.52	0.00	--	--	--	--	--	--
	03/27/97	13.08		24.03	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	14.90		22.21	0.00	--	--	--	--	--	--
	03/10/98	10.46		26.65	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	14.42		22.69	0.00	--	--	--	--	--	--
	03/04/99	11.64		25.47	0.00	ND	ND	ND	ND	ND	6.6
	09/13/99	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	03/21/00	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	09/18/00	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	03/16/01	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	09/04/01	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product							
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
U-8	04/07/92	--	15.0-30.0	--	--	ND	ND	ND	ND	ND	ND	--
	08/06/92	--		--	--	ND	ND	ND	ND	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	ND	--
38.94	06/04/93	15.26		23.68	0.00	ND	ND	ND	ND	ND	ND	--
	09/09/93	16.38		22.56	0.00	ND	ND	ND	ND	ND	ND	--
38.57	12/02/93	16.80		21.77	0.00	ND	ND	ND	ND	ND	ND	--
	03/09/94	15.62		22.95	0.00	ND	1.2	3.7	0.79	6.1		--
	04/13/94	15.80		22.77	0.00	ND	ND	0.78	ND	0.98		--
	06/09/94	15.86		22.71	0.00	ND	ND	ND	ND	ND		--
	09/07/94	16.87		21.70	0.00	ND	ND	ND	ND	ND		--
	12/05/94	16.32		22.25	0.00	ND	ND	ND	ND	ND		--
	03/09/95	14.56		24.01	0.00	ND	ND	ND	ND	ND		ND
	06/13/95	14.40		24.17	0.00	ND	ND	ND	ND	ND		ND
	09/12/95	15.50		23.07	0.00	ND	ND	ND	ND	ND		ND
	12/14/95	15.67		22.90	0.00	ND	ND	ND	ND	ND		ND
	03/20/96	13.25		25.32	0.00	--	--	--	--	--		--
	09/24/96	15.75		22.82	0.00	--	--	--	--	--		--
	03/27/97	14.18		24.39	0.00	ND	ND	ND	ND	ND		ND
	09/23/97	16.05		22.52	0.00	SAMPLED ANNUALLY		--	--	--		--
	03/10/98	11.63		26.94	0.00	ND	ND	ND	ND	ND		ND
	09/04/98	15.81		22.76	0.00	--	--	--	--	--		--
	03/04/99	12.81		25.76	0.00	ND	ND	ND	ND	ND		ND
	09/13/99	16.37		22.20	0.00	--	--	--	--	--		--
	03/21/00	13.25		25.32	0.00	ND	ND	ND	ND	ND		ND
	09/18/00	15.31		23.26	0.00	--	--	--	--	--		--
	03/16/01	14.71		23.86	0.00	ND	ND	ND	ND	ND		ND
	09/04/01	16.01		22.56	0.00	--	--	--	--	--		--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-9											
37.88	06/04/93	14.67	13.0-28.0	23.21	0.00	2,100 ²	ND	ND	ND	ND	--
	09/09/93	15.79		22.09	0.00	1,200 ²	ND	ND	ND	ND	--
37.31	12/02/93	15.93		21.38	0.00	ND	ND	ND	ND	ND	--
	03/09/94	14.74		22.57	0.00	5,700 ⁴	ND	ND	ND	ND	--
	04/13/94	14.96		22.35	0.00	ND	ND	ND	ND	ND	--
	06/09/94	15.05		22.26	0.00	2,900 ⁵	ND	ND	ND	ND	--
	09/07/94	16.06		21.25	0.00	2,700 ⁵	ND	ND	ND	ND	--
	12/05/94	15.43		21.88	0.00	3,700 ⁵	ND	ND	ND	ND	--
	03/09/95	13.50		23.81	0.00	2,500 ⁵	ND	ND	ND	ND	5,800
	06/13/95	13.63		23.68	0.00	ND	ND	ND	ND	ND	1,200
	09/12/95	14.73		22.58	0.00	ND	ND	ND	ND	ND	1,600
	12/14/95	14.67		22.64	0.00	ND	ND	ND	ND	ND	4,400
	03/20/96	12.27		25.04	0.00	ND	ND	ND	ND	ND	480
	09/24/96	14.92		22.39	0.00	ND	ND	ND	ND	ND	ND
	03/27/97	13.36		23.95	0.00	ND	ND	ND	ND	ND	42
	09/23/97	15.28		22.03	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	10.86		26.45	0.00	ND	ND	ND	ND	3.1	ND
	09/04/98	15.03		22.28	0.00	ND	ND	ND	ND	ND	ND
	03/04/99	11.95		25.36	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	15.61		21.70	0.00	ND	ND	1.67	ND	1.01	7.85
	03/21/00	12.38		24.93	0.00	ND	ND	ND	ND	ND	ND
	09/18/00	14.87		22.44	0.00	ND	ND	1.42	ND	1.06	ND
	03/16/01	13.85		23.46	0.00	ND	ND	ND	ND	ND	ND
	09/04/01	15.22		22.09	0.00	SAMPLED ANNUALLY		--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product						
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
Trip Blank											
TB-LB	03/10/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/04/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/04/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/13/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/21/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/18/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/13/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/16/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/04/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 10, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	ND = Not Detected
DTW = Depth to Water	B = Benzene	-- = Not Measured/Not Analyzed
(ft.) = Feet	T = Toluene	
S.I. = Screen Interval	E = Ethylbenzene	
(ft.bgs) = Feet Below Ground Surface	X = Xylenes	
GWE = Groundwater Elevation	MTBE = Methyl tertiary butyl ether	
(msl) = Mean sea level	(ppb) = Parts per billion	

* TOC elevations have been surveyed relative to msl. Prior to December 2, 1993, the DTW measurements were taken from the top of well covers.

** The PVC well casing was shortened in September 1995.

1 Ethylbenzene and Xylenes were combined prior to March 1990.

2 The concentration reported as gasoline is primarily due to the presence of a discrete hydrocarbon peak not indicative of standard gasoline.

3 The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.

4 Laboratory report indicates the hydrocarbons detected appeared to be gasoline and non-gasoline mixture.

5 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.

6 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.

7 Detection limit raised. Refer to analytical reports.

8 Laboratory report indicates gasoline C6-C12.

9 Laboratory report indicates weathered gasoline C6-C12.

10 MTBE by EPA Method 8260.

11 Laboratory report indicates gas range and late peaks.

12 Laboratory report indicates gas pattern.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-1	10/13/00	ND	ND	29	ND	ND	ND	ND	ND

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = Ethylene dibromide
 (ppb) = Parts per billion
 ND = Not Detected

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Dissolved Oxygen Concentrations
 Tosco (Unocal) Service Station #5760
 376 Lewelling Boulevard
 San Lorenzo, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
U-1	03/27/97	2.41	2.35
U-2	03/27/97	4.36	4.49
U-3	03/27/97	3.18	3.32
U-4	03/27/97	3.32	3.26
U-5	03/27/97	3.74	3.77
U-6	03/20/96	3.85	3.89
	09/20/96	3.73	3.81
	03/27/97	4.43	4.36
	09/23/97	--	4.14
	03/10/98	--	3.95
U-7	03/27/97	3.29	3.38
U-8	03/27/97	3.04	3.11
U-9	03/20/96	4.02	4.00
	09/20/96	3.85	3.98
	03/27/97	3.65	3.57
	09/23/97	--	3.80
	03/10/98	--	3.62

EXPLANATIONS:

Dissolved oxygen concentrations prior to March 10, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # TOSCO# 5760
Address: 376 Lewelling Blvd.
City: San Lorenzo, Ca.

Job#: 180109
Date: 9/4/01
Sampler: Vartke

Well ID: U-1
Well Diameter: 3 in.
Total Depth: 23.17 ft.
Depth to Water: 17.16 ft.

Well Condition: OK
Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)
Volume Factor (VF):

2" = 0.17	3" = 0.38	4" = 0.66
6" = 1.50	12" = 5.80	

6.01 x VF 0.38 = 2.28 x 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1645
Sampling Time: 1705
Purging Flow Rate: 1 gpm.
Did well de-water? NO

Weather Conditions: clear
Water Color: clear Odor: 4/mild
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1647</u>	<u>2</u>	<u>7.44</u>	<u>837</u>	<u>71.9</u>	_____	_____	_____
<u>1649</u>	<u>4.5</u>	<u>7.32</u>	<u>840</u>	<u>70.8</u>	_____	_____	_____
<u>1652</u>	<u>7</u>	<u>7.30</u>	<u>843</u>	<u>70.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-1</u>	<u>3 X VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTOE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # Tosco# 5760
Address: 376 Lewelling Blvd.
City: San Lorenzo, Ca.

Job#: 180109
Date: 9/4/01
Sampler: Vortek

Well ID U-2
Well Diameter 3 in.
Total Depth 29.89 ft.
Depth to Water 18.39 ft.

Well Condition: OK
Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

 X VF = X 3 (case volume) = Estimated Purge Volume: (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other:

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other:

Starting Time: Weather Conditions:
Sampling Time: Water Color: Odor:
Purging Flow Rate: gpm. Sediment Description:
Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	X VDA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTOE

COMMENTS: Monitor only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # TOSCO# 5760 Job#: 180109
 Address: 376 Lewelling Blvd. Date: 9/4/01
 City: San Lorenzo, Ca. Sampler: Vartker

Well ID: U-3 Well Condition: OK
 Well Diameter: 3 in. Hydrocarbon Thickness: 0.60 in. Amount Bailed (product/water): 3 (gal.)
 Total Depth: 27.81 ft. Volume Factor (VF) table:
 Depth to Water: 16.71 ft.

Volume	2" = 0.17	3" = 0.38	4" = 0.66
Factor (VF)	6" = 1.50	12" = 5.80	

8.10 x VF 0.38 3.07 x 3 (case volume) = Estimated Purge Volume: 9.5 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____
 Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 1610 Weather Conditions: clear
 Sampling Time: 1630 Water Color: clear Odor: no hold?
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1613</u>	<u>3</u>	<u>7.51</u>	<u>796</u>	<u>71.4</u>			
<u>1616</u>	<u>6</u>	<u>7.40</u>	<u>810</u>	<u>70.3</u>			
<u>1620</u>	<u>9.5</u>	<u>7.41</u>	<u>819</u>	<u>70.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#)- CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
				SEQUOIA	TPHG/BTEX/MTOE
<u>U-3</u>	<u>3 X VDA VIAL</u>	<u>Y</u>	<u>HCL</u>		

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # TOSCO# 5760
Address: 376 Lewelling Blvd.
City: San Lorenzo, Ca.

Job#: 180109
Date: 9/4/01
Sampler: Vartley

Well ID: U-4
Well Diameter: 3 in.
Total Depth: 27.86 ft.
Depth to Water: 17.70 ft.

Well Condition: OK
Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 gal.
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

 X VF = X 3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other:

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other:

Starting Time:
Sampling Time:
Purging Flow Rate: gpm.
Did well de-water?

Weather Conditions:
Water Color: Odor:
Sediment Description:
If yes; Time: Volume: gal.

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	<u>X VOA VIAL</u>	<u>Y</u>	<u>HEC</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTOE</u>

COMMENTS: Monitor only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # TOSCO# 5760
 Address: 376 Lewelling Blvd.
 City: San Lorenzo, Ca.

Job#: 180109
 Date: 9/4/01
 Sampler: Vartke

Well ID: U-5
 Well Diameter: 2 in.
 Total Depth: 28.47 ft.
 Depth to Water: 16.88 ft.

Well Condition: OK
 Hydrocarbon Thickness: 0.50 in. Amount Bailed (product/water): 0 (gal.)
 Volume Factor (VF):
 2" = 0.17 3" = 0.38 4" = 0.66
 6" = 1.50 12" = 5.80

 X VF = X 3 (case volume) = Estimated Purge Volume: (gal.)

Purge Equipment: Disposable Bailer
 Bailer
 Stack
 Suction
 Grundfos
 Other:

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other:

Starting Time:
 Sampling Time:
 Purging Flow Rate: gpm.
 Did well de-water?

Weather Conditions:
 Water Color: Odor:
 Sediment Description:
 If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	X VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTOE

COMMENTS: Monitor only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # TOSCO# 5760
Address: 376 Lewelling Blvd.
City: San Lorenzo, Ca.

Job#: 180109
Date: 9/4/01
Sampler: Vartker

Well ID: U-6
Well Diameter: 2 in.
Total Depth: _____ ft.
Depth to Water: _____ ft.

Well Condition: Paved Over.
Hydrocarbon Thickness: _____ in. Amount Bailed (product/water): _____ (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
 6" = 1.50 12" = 5.80

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____
Sampling Time: _____
Purging Flow Rate: _____ gpm.
Did well de-water? _____

Weather Conditions: _____
Water Color: _____ Odor: _____
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	X VOA VIAL	Y	HCL	SEGGOTA	TRNG/BTEX/MTOE

COMMENTS: Paved Over.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # TOSCO# 5760
Address: 376 Lewelling Blvd.
City: San Lorenzo, Ca.

Job#: 180109
Date: 9/4/01
Sampler: Vartke

Well ID: U-7
Well Diameter: 2 in.
Total Depth: _____ ft.
Depth to Water: _____ ft.

Well Condition: Paved over
Hydrocarbon Thickness: _____ in. Amount Bailed (gal.)

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____
Sampling Time: _____
Purging Flow Rate: _____ gpm.
Did well de-water? _____

Weather Conditions: _____
Water Color: _____ Odor: _____
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	<u>X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTOE</u>

COMMENTS: Paved over

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # TOSCO# 5760 Job#: 190109
 Address: 376 Lewelling Blvd. Date: 9/4/01
 City: San Lorenzo, Ca. Sampler: Vartke

Well ID U-8 Well Condition: _____
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: _____ in. (product/water): _____ (gal.)
 Total Depth 29.83 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 16.01 ft. Factor (VF) 6" = 1.50 12" = 5.80

Purge Equipment: _____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)
 Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____
 Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: _____ Weather Conditions: _____
 Sampling Time: _____ Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	X VDA VIAL	Y	HCL	SEQUOIA	TPH/G/BTEX/MTOE

COMMENTS: Monitor only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # Tosco# 5760
Address: 376 Lewelling Blvd.
City: San Lorenzo, Ca.

Job#: 180109
Date: 9/4/01
Sampler: Varkley

Well ID U-9
Well Diameter 2 in.
Total Depth 28.20 ft.
Depth to Water 15.22 ft.

Well Condition: _____
Hydrocarbon Thickness: _____ in. Amount Bailed (product/water): _____ (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____
Sampling Time: _____
Purging Flow Rate: _____ gpm.
Did well de-water? _____

Weather Conditions: _____
Water Color: _____ Odor: _____
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#)-CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	X VDA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTOE

COMMENTS: Monitor only



Tosco Marketing Company
2233 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number UNOCAL SS#5760
 Facility Address 376 Lewelling Blvd. San Lorenzo CA
 Consultant Project Number 180109.85
 Consultant Name Gettler-Ryan Inc. (G-R Inc.)
 Address 6747 Sierra Court, Suite J, Dublin, CA 94568
 Project Contact (Name) Deanna L. Harding
 (Phone) 510-551-7555 (Fax Number) 510-551-7888

Contact (Name) MR. DAVID DEWITT
 (Phone) (925) 277-2380
 Laboratory Name Sequoia Analytical
 Laboratory Release Number _____
 Samples Collected by (Name) Vahkes Tashjian
 Collection Date 9/4/01
 Signature Vahkes Tashjian

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analytes To Be Performed											DO NOT BILL TB-LB ANALYSIS	Remarks	
								TPH Gas + STEK w/MTBE (8016)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractables Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)						
1109009																					
TB-LB	01	1	W	G		HCl	Y	X													
U-1	02	3	~	~	1705	~	~	X													
U-3	03	3	~	~	1630	~	~	X													

Relinquished By (Signature) <u>Vahkes Tashjian</u>	Organization G-R Inc.	Date/Time <u>9/4/01</u>	Received By (Signature) <u>David DeWitt</u>	Organization	Date/Time <u>9/4/01</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <u>10 Days</u> As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	



Sequoia
Analytical

1551 Industrial Road
San Carlos, CA 94070
(650) 232-9600
FAX (650) 232-9612
www.sequoialabs.com

RECEIVED

17 September, 2001

Deanna Harding
Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin, CA 94568

SEP 17 2001
GETTLER-RYAN, INC.
GENERAL CONTRACTORS

RE: Tosco(1)
Sequoia Report: L109009

Enclosed are the results of analyses for samples received by the laboratory on 09/04/01 18:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #2360



Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin CA, 94568

Project: Tosco(1)
Project Number: Unocal SS#5760, San Lorenzo, CA
Project Manager: Deanna Harding

Reported:
09/17/01 07:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	L109009-01	Water	09/04/01 00:00	09/04/01 18:05
U-1	L109009-02	Water	09/04/01 17:05	09/04/01 18:05
U-3	L109009-03	Water	09/04/01 16:30	09/04/01 18:05

Sequoia Analytical - San Carlos

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Gettler-Ryan/Geostrategies(1)
 6747 Sierra Court, Suite J
 Dublin CA, 94568

 Project: Tosco(1)
 Project Number: Unocal SS#5760, San Lorenzo, CA
 Project Manager: Deanna Harding

 Reported:
 09/17/01 07:47

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (L109009-01) Water Sampled: 09/04/01 00:00 Received: 09/04/01 18:05									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	1090041	09/13/01	09/13/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.1 %	70-130		"	"	"	"	
U-1 (L109009-02) Water Sampled: 09/04/01 17:05 Received: 09/04/01 18:05									
Purgeable Hydrocarbons as Gasoline	11000	1000	ug/l	20	1090038	09/12/01	09/12/01	DHS LUFT	P-02
Benzene	25	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	1100	10	"	"	"	"	"	"	
Xylenes (total)	1800	10	"	"	"	"	"	"	
Methyl tert-butyl ether	370	100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.4 %	70-130		"	"	"	"	
U-3 (L109009-03) Water Sampled: 09/04/01 16:30 Received: 09/04/01 18:05									
Purgeable Hydrocarbons as Gasoline	340	50	ug/l	1	1090041	09/13/01	09/13/01	DHS LUFT	P-02
Benzene	0.95	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	8.1	0.50	"	"	"	"	"	"	
Xylenes (total)	18	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.1 %	70-130		"	"	"	"	

Gettler-Ryan/Geostrategies(1)
 6747 Sierra Court, Suite J
 Dublin CA, 94568

 Project: Tosco(1)
 Project Number: Unocal SS#5760, San Lorenzo, CA
 Project Manager: Deanna Harding

 Reported:
 09/17/01 07:47

**Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control
 Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1090038 - EPA 5030B (P/T)
Blank (1090038-BLK1)

Prepared & Analyzed: 09/12/01

Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.53		"	10.0		95.3	70-130			

LCS (1090038-BS1)

Prepared & Analyzed: 09/12/01

Benzene	7.88	0.50	ug/l	10.0		78.8	70-130			
Toluene	7.80	0.50	"	10.0		78.0	70-130			
Ethylbenzene	8.05	0.50	"	10.0		80.5	70-130			
Xylenes (total)	24.3	0.50	"	30.0		81.0	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.1		"	10.0		111	70-130			

LCS (1090038-BS2)

Prepared & Analyzed: 09/12/01

Purgeable Hydrocarbons as Gasoline	250	50	ug/l	250		100	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	12.4		"	10.0		124	70-130			

Matrix Spike (1090038-MS1)

Source: L109001-08

Prepared & Analyzed: 09/12/01

Purgeable Hydrocarbons as Gasoline	247	50	ug/l	250	ND	98.8	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.0		"	10.0		110	70-130			

Matrix Spike Dup (1090038-MSD1)

Source: L109001-08

Prepared & Analyzed: 09/12/01

Purgeable Hydrocarbons as Gasoline	258	50	ug/l	250	ND	103	60-140	4.36	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.8		"	10.0		108	70-130			



Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin CA, 94568

Project: Tosco(1)
Project Number: Unocal SS#5760, San Lorenzo, CA
Project Manager: Deanna Harding

Reported:
09/17/01 07:47

**Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1090041 - EPA 5030B (P/T)

Blank (1090041-BLK1)

Prepared & Analyzed: 09/13/01

Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.64		"	10.0		86.4	70-130			

LCS (1090041-BS1)

Prepared & Analyzed: 09/13/01

Benzene	8.22	0.50	ug/l	10.0		82.2	70-130			
Toluene	8.22	0.50	"	10.0		82.2	70-130			
Ethylbenzene	8.43	0.50	"	10.0		84.3	70-130			
Xylenes (total)	26.0	0.50	"	30.0		86.7	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.7		"	10.0		107	70-130			

LCS (1090041-BS2)

Prepared & Analyzed: 09/13/01

Purgeable Hydrocarbons as Gasoline	264	50	ug/l	250		106	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.7		"	10.0		107	70-130			

Matrix Spike (1090041-MS1)

Source: L109012-02

Prepared & Analyzed: 09/13/01

Benzene	9.61	0.50	ug/l	10.0	ND	96.1	60-140			
Toluene	9.59	0.50	"	10.0	ND	95.9	60-140			
Ethylbenzene	10.1	0.50	"	10.0	ND	101	60-140			
Xylenes (total)	30.6	0.50	"	30.0	ND	102	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.4		"	10.0		104	70-130			

Matrix Spike Dup (1090041-MSD1)

Source: L109012-02

Prepared & Analyzed: 09/13/01

Benzene	10.3	0.50	ug/l	10.0	ND	103	60-140	6.93	25	
Toluene	10.3	0.50	"	10.0	ND	103	60-140	7.14	25	
Ethylbenzene	10.6	0.50	"	10.0	ND	106	60-140	4.83	25	
Xylenes (total)	32.4	0.50	"	30.0	ND	108	60-140	5.71	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.0		"	10.0		110	70-130			

Gettler-Ryan/Geostrategies(1)
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Project: Tosco(1)
Project Number: Unocal SS#5760, San Lorenzo, CA
Project Manager: Deanna Harding

Reported:
09/17/01 07:47

Notes and Definitions

P-02 Chromatogram Pattern: Weathered Gasoline C6-C12
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