GETTLER-RYAN INC.

TRANSMITTAL

October 10, 2001
G-R #180108

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 #5367
500 Bancroft Avenue
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 4, 2001	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of August 13, 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 24, 2001***, this report will be distributed to the following:

cc: **Mr. Scott Seery, Alameda County Health Care Services**, 1131 Harbor Bay Parkway, Alameda, CA 94502
Mr. Michael Bakaldin, City of San Leandro Fire Department, 835 East 14th Street, San Leandro, CA 94577

Enclosure

trans/5367-dbd

R0499

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 311-127.1A

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

Re: 76 Service Station 5367
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	Location
5367	500 Bancroft Avenue, San Leandro

Should 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 Health Care Services

Quarterly Summary Report
Third Quarter 2001

76 Service Station 5367
500 Bancroft Avenue
San Leandro, California

City/County ID #: None
County: Alameda

BACKGROUND

The underground fuel storage tanks, product dispensers, and associated underground piping were replaced in 1987. The underground product piping was replaced again in October and November 1998. There are currently five on-site groundwater monitoring wells and five off-site groundwater monitoring wells in use at the site. Soil vapor extraction and groundwater extraction systems were operated at the site from to March 1996 to March 1997, removing an estimated 108 pounds of gasoline hydrocarbons.

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. Case closure will be requested.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.
Dissolved groundwater delineated? Yes.
Free product delineated? Not applicable.
Total amount of groundwater contaminant recovered? Approximately 108 pounds.
Soil remediation in progress? No.
Start? March 1996.
Completion date? March 1997.
Dissolved/free product remediation in progress? No.
Start? March 1996.
Completion? March 1997.

CONSULTANT: IT Corporation

GETTLER-RYAN INC.

October 4, 2001
G-R Job #180108

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

RE: Second Semi-Annual Event of August 31, 2001
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, 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 Table 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

Deanna L. Harding
Project Coordinator

Douglas J. Lee
Senior Geologist, R.G. No. 6882

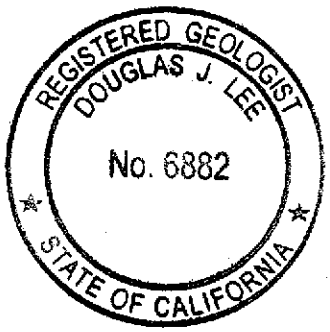
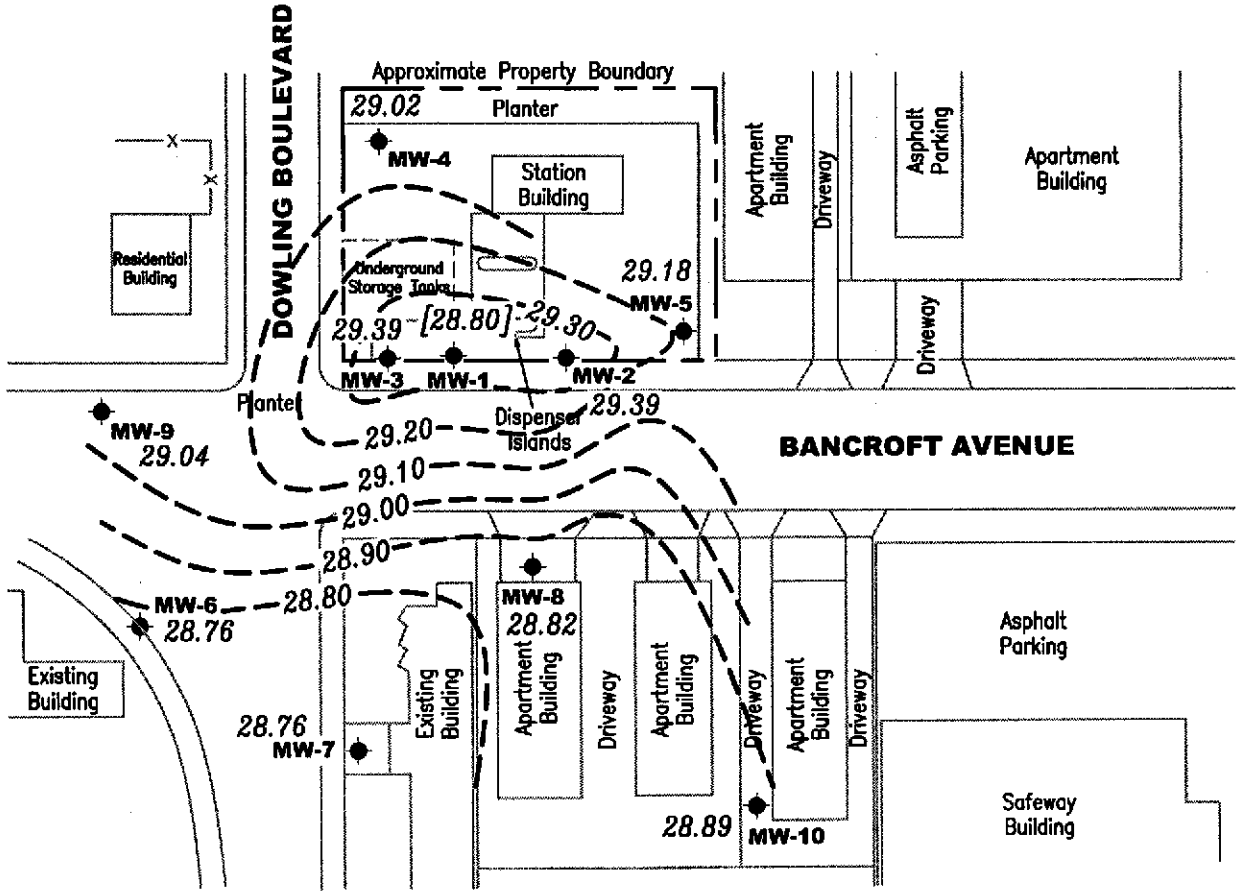


Figure 1:	Potentiometric Map
Figure 2:	Concentration Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results - Oxygenate Compounds
Table 3:	Dissolved Oxygen Concentrations
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets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

5367.qml



EXPLANATION

- ◆ Groundwater monitoring well
- *99.99* Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred
- *[99.99]* Not used in contouring

Groundwater flow direction varies at a gradient of 0.004 to 0.008 Ft./Ft.

N

0 80

Scale in Feet

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

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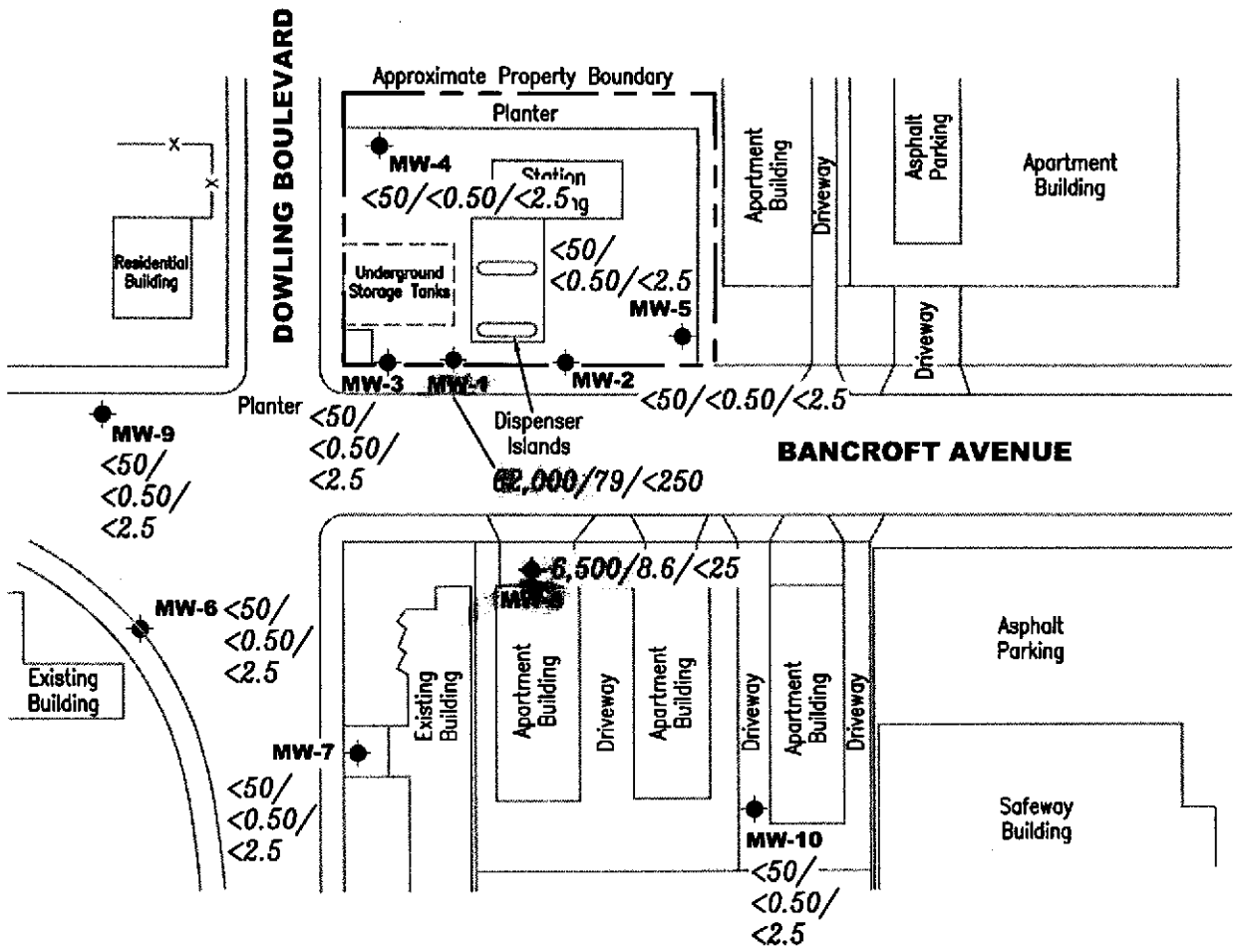
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, California

FIGURE
1

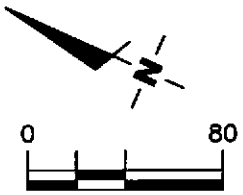
PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180108		August 31, 2001	

FILE NAME: P:\Enviro\Tosco\5367\QD1-5367.DWG | Layout Tab: Pot3



EXPLANATION

- Groundwater monitoring well
- A/B/C — TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene/MTBE concentrations in ppb



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

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

CONCENTRATION MAP
Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180108		August 31, 2001	

FILE NAME: P:\Enviro\Tosco\5367\Q01-5367.DWG | Layout Tab: Con3

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, 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)
MW-1											
57.83	09/23/87	33.40	10.0-35.0	24.43**	0.02	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	09/24/87	33.24		24.59**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	10/06/87	33.39		24.44**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/05/87	34.14		23.69**	0.31	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/13/87	34.15		23.68**	0.38	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/19/87	33.89		23.94**	0.06	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	04/27/88	32.40		25.43**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	09/07/88	DRY		--	--	--	--	--	--	--	--
	10/03/88	DRY		--	--	--	--	--	--	--	--
	01/27/89	DRY		--	--	--	--	--	--	--	--
	02/16/90	DRY		--	--	--	--	--	--	--	--
	07/19/90	DRY		--	--	--	--	--	--	--	--
	08/24/90	DRY		--	--	--	--	--	--	--	--
	11/30/90	DRY		--	--	--	--	--	--	--	--
	02/06/91	DRY		--	--	--	--	--	--	--	--
	05/06/91	33.00		24.83	0.00	--	--	--	--	--	--
	09/27/91	DRY		--	--	--	--	--	--	--	--
	03/31/92	31.00		26.83	0.00	330,000	8,200	33,000	6,800	36,000	--
	06/18/92	32.76		25.07	0.00	680,000	9,000	40,000	7,600	44,000	--
	10/16/92	DRY		--	--	--	--	--	--	--	--
	11/18/92	DRY		--	--	--	--	--	--	--	--
	03/03/93	26.03		31.80	0.00	330,000	3,800	21,000	4,200	24,000	--
	06/25/93	28.36		29.47	0.00	160,000	4,300	36,000	5,800	34,000	--
	09/03/93	30.80		27.03	0.00	160,000	3,900	41,000	6,800	38,000	--
	12/13/93	32.73		25.10	0.00	140,000	3,600	37,000	7,100	40,000	--
	03/18/94	30.10		27.73	0.00	99,000	3,800	37,000	6,800	36,000	--
	06/23/94	31.32		26.51	0.00	150,000	2,500	33,000	6,400	37,000	--
	09/21/94	33.21		24.62	0.00	110,000	2,500	23,000	4,500	25,000	--
	12/19/94	30.97		26.86	0.00	200,000	2,400	28,000	6,600	37,000	--
	03/27/95	22.77		35.06	0.00	88,000	1,500	20,000	4,200	25,000	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-1	06/26/95	25.69	10.0-35.0	32.14	0.00	130,000	1,000	23,000	5,600	33,000	--
(cont)	07/28/95	26.97		30.86	0.00	--	--	--	--	--	--
	09/28/95	29.55		28.28	0.00	100,000	810	21,000	6,500	37,000	--
	10/24/95	29.99		27.84	0.00	--	--	--	--	--	--
	12/29/95	30.40		27.43	0.00	110,000	990	22,000	8,300	47,000	--
	03/27/96	22.29		35.54	0.00	120,000	920	17,000	7,100	41,000	180
	09/21/96	29.44		28.39	0.00	110,000	270	3,500	5,900	16,000	260
	03/31/97	24.18		33.65	0.00	82,000	240	8,700	3,800	23,000	ND
	09/27/97	31.86		25.97	0.00	81,000	ND	1,000	5,900	31,000	ND
	03/20/98	16.88		40.95	0.00	52,000	ND[5]	350	2,900	14,000	ND[5]
	09/09/98	26.21		31.62	0.00	59,000	51	64	6,000	4,800	ND[5]
	03/11/99	23.60		34.23	0.00	60,000	130	ND[5]	2,900	12,000	ND[5]
	09/08/99	28.70		29.13	0.00	74,000[7]	ND[5]	ND[5]	2,600	10,000	ND[5]
	03/24/00	21.61		36.22	0.00	37,000[7]	ND[5]	ND[5]	1,980	6,880	ND[5]
	09/15/00	28.19		29.64	0.00	45,800[9]	ND[5]	ND[5]	3,150	10,500	ND[5]
	03/16/01	25.59		32.24	0.00	37,500	76.2	16.6	2,010	7,330	ND
	08/31/01	**29.03**		**28.80**	**0.00**	**62,000[10]**	**79**	**<50**	**3,000**	**13,000**	**<250**
MW-2											
58.13	10/03/88	36.04	23.0-48.0	22.09	0.00	1,760	47.8	7.4	20.9	81.6	--
	01/27/89	34.77		23.36	0.00	510	58	8.7	22.6	20.3	--
	02/16/90	34.50		23.63	0.00	840	50	0.5	28	44	--
	05/01/90	--		--	--	1,000	39	ND	32	52	--
	07/19/90	35.72		22.41	0.00	--	--	--	--	--	--
	08/24/90	36.30		21.83	0.00	330	17	ND	19	20	--
	11/30/90	37.40		20.73	0.00	400	41	ND	39	37	--
	02/07/91	37.27		20.86	0.00	510	40	ND	29	44	--
	05/06/91	33.31		24.82	0.00	2,300	150	10	52	110	--
	09/27/91	36.86		21.27	0.00	110	2.6	ND	5.6	5.1	--
	12/27/91	37.66		20.47	0.00	170	3.9	ND	7.3	60	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, 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)
MW-2	03/31/92	37.66	28.0-48.0	20.47	0.00	--	--	--	--	--	--
(cont)	06/18/92	31.27		26.86	0.00	1,200	35	1.6	56	26	--
	09/30/92	--		--	--	820	21	ND	42	25	--
	10/16/92	35.87		22.26	0.00	--	--	--	--	--	--
	11/18/92	36.24		21.89	0.00	65	1.2	ND	2.8	1.4	--
	03/03/93	26.30		31.83	0.00	4,200	62	2.9	97	120	--
	06/25/93	28.40		29.73	0.00	4,000	110	ND	320	280	--
	09/03/93	31.10		27.03	0.00	1,400	31	4.3	99	53	--
	12/13/93	33.03		25.10	0.00	260	7.7	0.83	17	23	--
	03/18/94	30.34		27.79	0.00	250	6.4	0.64	28	24	--
	06/23/94	31.63		26.50	0.00	420	3.9	0.66	23	11	--
	09/21/94	33.52		24.61	0.00	ND	ND	ND	ND	ND	--
	12/19/94	31.26		26.87	0.00	190	1.9	ND	15	6.8	--
	03/27/95[2]	23.02		35.11	0.00	ND	ND	0.55	1.2	2.5	--
	06/26/95	25.98		32.15	0.00	ND	ND	0.93	0.88	3.4	--
	07/28/95	27.26		30.87	0.00	--	--	--	--	--	--
	09/28/95	29.77		28.36	0.00	730	2.9	ND	41	29	--
	10/24/95	30.56		27.57	0.00	--	--	--	--	--	--
	12/29/95	30.25		27.88	0.00	860	4.3	1.0	27	50	--
	03/27/96	22.30		35.83	0.00	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)				--	--
	09/21/96	29.47		28.66	0.00	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)				--	--
	03/31/97	24.20		33.93	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	31.07		27.06	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	16.73		41.40	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.03		32.10	0.00	ND	ND	0.54	ND	0.57	ND
	03/11/99	23.46		34.67	0.00	ND	ND	0.59	ND	1.1	ND
	09/08/99	28.53		29.60	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	21.45		36.68	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	28.02		30.11	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	25.41		32.72	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**28.74**		**29.39**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-3											
57.92	10/03/88	35.86	23.0-48.0	22.06	0.00	61,000	1,060	3,380	1,520	8,720	--
	01/27/89	34.60		23.32	0.00	39,000	1,570	2,830	1,250	7,070	--
	02/16/90	35.23		22.69	0.00	22,000	710	4,100	6,900	33,000	--
	05/01/90	--		--	--	19,000	330	170	310	1,500	--
	07/19/90	35.50		22.42	0.00	--	--	--	--	--	--
	08/24/90	36.08		21.84	0.00	19,000	480	160	510	1,500	--
	11/30/90	37.17		20.75	0.00	13,000	390	81	410	1,000	--
	02/06/91	37.07		20.85	0.00	13,000	310	150	380	1,200	--
	05/06/91	33.11		24.81	0.00	39,000	1,000	570	930	3,900	--
	09/27/91	36.64		21.28	0.00	4,000	160	84	180	560	--
	12/27/91	37.46		20.46	0.00	31,000	240	280	400	1,600	--
	03/31/92	31.10		26.82	0.00	100,000	1,900	1,900	2,300	9,400	--
	06/18/92	32.83		25.09	0.00	180,000	2,200	1,700	2,300	1,100	--
	09/30/92	--		--	--	36,000	730	200	1,000	4,400	--
	10/16/92	35.66		22.26	0.00	--	--	--	--	--	--
	11/18/92	36.04		21.88	0.00	24,000[1]	430	160	640	2,800	--
	03/03/93	26.11		31.81	0.00	96,000[1]	1,400	1,900	1,400	8,400	--
	06/25/93	28.43		29.49	0.00	27,000	1,200	980	1,700	6,900	--
	09/03/93	30.88		27.04	0.00	82,000	2,400	3,400	4,200	21,000	--
	12/13/93	32.82		25.10	0.00	49,000	1,300	360	2,300	9,200	--
	03/18/94	30.17		27.75	0.00	22,000	1,200	430	2,200	9,700	--
	06/23/94	31.42		26.50	0.00	37,000	1,300	670	3,100	14,000	--
	09/21/94	33.30		24.62	0.00	24,000	890	110	2,200	8,800	--
	12/19/94	31.07		26.85	0.00	100,000	1,200	2,900	4,200	23,000	--
	03/27/95[2]	22.78		35.14	0.00	33,000	410	66	1,600	6,500	--
	06/26/95	25.78		32.14	0.00	14,000	300	ND	1,300	3,900	--
	07/28/95	27.06		30.86	0.00	--	--	--	--	--	--
	09/28/95	29.57		28.35	0.00	17,000	730	30	4,000	8,800	--[3]
	10/24/95	30.34		27.58	0.00	--	--	--	--	--	--
	12/29/95	29.91		28.01	0.00	55,000	700	ND	4,900	16,000	--[4]

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-3	03/27/96	21.99	23.0-48.0	35.93	0.00	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)				--	--
(cont)	09/21/96	29.15		28.77	0.00	34,000	140	ND	2,200	6,600	1,800
	03/31/97	23.86		34.06	0.00	17,000	58	110	530	1,500	ND
	09/27/97	30.76		27.16	0.00	11,000	19	ND	850	420	140
	03/20/98	16.39		41.53	0.00	ND	ND	ND	ND	ND	74
	09/09/98	25.70		32.22	0.00	ND[5]	ND[5]	ND[5]	ND[5]	ND[5]	ND[5]
	03/11/99	23.12		34.80	0.00	7,300	ND	ND	320	210	ND
	09/08/99	28.21		29.71	0.00	7,900[7]	ND[5]	ND[5]	ND[5]	160	ND[5]
	03/24/00	21.12		36.80	0.00	3,310[7]	5.40	ND[5]	101	43.3	ND[5]
	09/15/00	27.68		30.24	0.00	1,540[9]	ND[5]	ND[5]	56.4	ND	ND/12.6[8]
	03/16/01	25.09		32.83	0.00	678	3.14	1.00	16.4	14.6	42.9
	08/31/01	**28.53**		**29.39**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-4											
58.29	10/03/88	36.12	23.0-48.0	22.17	0.00	ND	ND	ND	ND	ND	--
	01/27/89	34.87		23.42	0.00	ND	ND	ND	ND	ND	--
	02/16/90	35.60		22.69	0.00	ND	ND	ND	ND	ND	--
	05/01/90	--		--	--	ND	ND	ND	0.68	1.4	--
	07/19/90	35.78		22.51	0.00	--	--	--	--	--	--
	08/24/90	36.35		21.94	0.00	ND	ND	ND	ND	ND	--
	11/30/90	37.46		20.83	0.00	ND	ND	ND	ND	1.2	--
	02/06/91	37.40		20.89	0.00	ND	ND	ND	ND	ND	--
	05/06/91	33.39		24.90	0.00	--	--	--	--	--	--
	09/27/91	36.90		21.39	0.00	ND	ND	ND	ND	ND	--
	12/27/91	37.76		20.53	0.00	ND	ND	ND	ND	ND	--
	03/31/92	31.41		26.88	0.00	ND	ND	ND	ND	ND	--
	06/18/92	33.09		25.20	0.00	ND	ND	ND	ND	ND	--
	10/16/92	35.92		22.37	0.00	ND	ND	ND	ND	ND	--
	11/18/92	36.33		21.96	0.00	--	--	--	--	--	--
	03/03/93	26.43		31.86	0.00	68	0.9	0.6	ND	1.9	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-4	06/25/93	28.60	23.0-48.0	29.69	0.00	--	--	--	--	--	--
(cont)	09/03/93	31.05		27.24	0.00	86	14	13	1.4	7.1	--
	12/13/93	33.09		25.20	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	03/18/94	30.42		27.87	0.00	ND	ND	ND	ND	ND	--
	06/23/94	31.95		26.34	0.00	--	--	--	--	--	--
	09/21/94	33.86		24.43	0.00	ND	ND	0.78	ND	0.81	--
	12/19/94	31.72		26.57	0.00	--	--	--	--	--	--
	03/27/95	23.44		34.85	0.00	ND	ND	0.79	0.5	3.1	--
	06/26/95	26.26		32.03	0.00	--	--	--	--	--	--
	07/28/95	27.53		30.76	0.00	--	--	--	--	--	--
	09/28/95	30.05		28.24	0.00	ND	ND	ND	ND	ND	--[3]
	10/24/95	30.79		27.50	0.00	--	--	--	--	--	--
	12/29/95	30.96		27.33	0.00	--	--	--	--	--	--
	03/27/96	22.71		35.58	0.00	ND	ND	0.70	ND	0.79	ND
	09/21/96	29.88		28.41	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	24.72		33.57	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	31.68		26.61	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	17.27		41.02	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.58		31.71	0.00	ND	ND	ND	ND	0.65	3.0
	03/11/99	24.12		34.17	0.00	ND	ND	0.70	ND	1.2	ND
	09/08/99	29.18		29.11	0.00	ND	ND	ND	ND	0.78	ND
	03/24/00	22.08		36.21	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	28.63		29.66	0.00	ND	ND	1.36	ND	1.46	ND
	03/16/01	26.14		32.15	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**29.27**		**29.02**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, 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)
MW-5											
58.50	02/16/90	35.89	25.0-45.0	22.61	0.00	67	0.51	1.6	2.9	7.5	--
	05/01/90	--		--	--	ND	ND	ND	ND	ND	--
	07/19/90	36.10		22.40	0.00	--	--	--	--	--	--
	08/24/90	36.67		21.83	0.00	ND	ND	ND	ND	ND	--
	11/30/90	37.74		20.76	0.00	ND	ND	0.7	ND	ND	--
	02/06/91	37.62		20.88	0.00	ND	ND	ND	ND	ND	--
	05/06/91	33.67		24.83	0.00	--	--	--	--	--	--
	09/27/91	37.23		21.27	0.00	ND	ND	ND	ND	ND	--
	12/27/91	38.02		20.48	0.00	ND	ND	ND	ND	ND	--
	03/31/92	31.62		26.88	0.00	ND	ND	ND	ND	1.1	--
	06/18/92	33.46		25.04	0.00	--	--	--	--	--	--
	10/16/92	36.23		22.27	0.00	ND	ND	ND	ND	ND	--
	11/18/92	36.62		21.88	0.00	--	--	--	--	--	--
	03/03/93	26.62		31.88	0.00	ND	ND	ND	ND	ND	--
	06/25/93	INACCESSIBLE		--	--	--	--	--	--	--	--
	09/03/93	31.45		27.05	0.00	ND	ND	1.5	ND	7.9	--
	12/13/93	33.39		25.11	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	03/18/94	30.67		27.83	0.00	ND	ND	ND	ND	ND	--
	06/23/94	32.00		26.50	0.00	--	--	--	--	--	--
	09/21/94	33.90		24.60	0.00	ND	ND	0.98	ND	1.6	--
	12/19/94	31.63		26.87	0.00	--	--	--	--	--	--
	03/27/95	23.44		35.06	0.00	ND	ND	0.66	ND	2.9	--
	06/26/95	26.35		32.15	0.00	--	--	--	--	--	--
	07/28/95	27.63		30.87	0.00	--	--	--	--	--	--
	09/28/95	30.15		28.35	0.00	ND	ND	ND	ND	ND	--
	10/24/95	30.98		27.52	0.00	--	--	--	--	--	--
	12/29/95	30.87		27.63	0.00	--	--	--	--	--	--
	03/27/96	22.75		35.75	0.00	ND	ND	1.7	ND	2.4	ND
	09/21/96	29.95		28.55	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	24.80		33.70	0.00	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, 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)
MW-5	09/27/97	31.65	25.0-45.0	26.85	0.00	ND	ND	ND	ND	ND	ND
(cont)	03/20/98	17.31		41.19	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.63		31.87	0.00	ND	ND	ND	ND	ND	ND
	03/11/99	24.08		34.42	0.00	ND	ND	0.96	ND	1.7	ND
	09/08/99	29.16		29.34	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	22.06		36.44	0.00	ND	ND	ND	ND	0.957	ND
	09/15/00	28.64		29.86	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	26.05		32.45	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**29.32**		**29.18**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-6											
56.96	02/16/90	34.50	25.0-45.0	22.46	0.00	ND	ND	ND	ND	ND	--
	05/01/90	--		--	--	ND	ND	ND	ND	ND	--
	07/19/90	34.74		22.22	0.00	ND	ND	ND	ND	ND	--
	08/24/90	35.32		21.64	0.00	ND	ND	ND	ND	ND	--
	11/30/90	36.38		20.58	0.00	ND	ND	ND	ND	ND	--
	02/06/91	36.27		20.69	0.00	ND	ND	ND	ND	ND	--
	05/06/91	32.41		24.55	0.00	--	--	--	--	--	--
	09/27/91	35.87		21.09	0.00	ND	ND	ND	ND	ND	--
	12/27/91	36.67		20.29	0.00	ND	ND	ND	ND	ND	--
	03/31/92	30.32		26.64	0.00	ND	ND	1.3	ND	2	--
	06/18/92	32.18		24.78	0.00	ND	ND	ND	ND	ND	--
	10/16/92	34.92		22.04	0.00	ND	ND	ND	ND	ND	--
	11/18/92	35.28		21.68	0.00	--	--	--	--	--	--
	03/03/93	25.43		31.53	0.00	ND[1]	ND	ND	ND	ND	--
	06/25/93	27.86		29.10	0.00	--	--	--	--	--	--
	09/03/93	30.25		26.71	0.00	ND	ND	ND	ND	ND	--
	12/13/93	32.14		24.82	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	03/18/94	29.46		27.50	0.00	ND	ND	0.93	ND	1.4	--
	06/23/94	30.76		26.20	0.00	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-6	09/21/94	32.62	25.0-45.0	24.34	0.00	ND	ND	ND	ND	ND	--
(cont)	12/19/94	30.32		26.64	0.00	--	--	--	--	--	--
	03/27/95	22.10		34.86	0.00	56	ND	0.65	ND	3.3	--
	06/26/95	25.20		31.76	0.00	--	--	--	--	--	--
	07/28/95	26.48		30.48	0.00	--	--	--	--	--	--
	09/28/95	28.92		28.04	0.00	ND	ND	ND	ND	ND	--
	10/24/95	29.73		27.23	0.00	--	--	--	--	--	--
	12/29/95	29.62		27.34	0.00	--	--	--	--	--	--
	03/27/96	21.59		35.37	0.00	50	ND	0.92	ND	0.96	ND
	09/21/96	28.72		28.24	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	23.72		33.24	0.00	73	0.67	0.82	ND	ND	ND
	09/27/97	30.52		26.44	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	16.35		40.61	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	25.53		31.43	0.00	ND	ND	0.64	ND	0.65	3.3
	03/11/99	22.85		34.11	0.00	ND	ND	0.71	ND	1.4	ND
	09/08/99	28.01		28.95	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	20.93		36.03	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	27.51		29.45	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	24.87		32.09	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**28.20**		**28.76**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-7											
57.25	02/16/90	35.75	24.0-44.0	21.50	0.00	ND	ND	ND	ND	ND	--
	05/01/90	--		--	--	24	ND	ND	0.74	1.7	--
	07/19/90	35.03		22.22	0.00	--	--	--	--	--	--
	08/24/90	35.64		21.61	0.00	ND	ND	ND	ND	ND	--
	11/30/90	36.68		20.57	0.00	ND	ND	ND	0.6	1.5	--
	02/06/91	36.55		20.70	0.00	ND	ND	ND	ND	ND	--
	05/06/91	32.69		24.56	0.00	ND	ND	ND	ND	ND	--
	09/27/91	36.18		21.07	0.00	ND	ND	ND	ND	ND	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-7	12/27/91	36.96	24.0-44.0	20.29	0.00	ND	ND	ND	ND	ND	--
(cont)	03/31/92	30.56		26.69	0.00	ND	ND	ND	ND	0.9	--
	06/18/92	32.52		24.73	0.00	--	--	--	--	--	--
	10/16/92	35.24		22.01	0.00	ND	ND	ND	ND	ND	--
	11/18/92	35.59		21.66	0.00	--	--	--	--	--	--
	03/03/93	25.66		31.59	0.00	ND	ND	ND	ND	ND	--
	06/25/93	28.25		29.00	0.00	--	--	--	--	--	--
	09/03/93	30.60		26.65	0.00	ND	ND	ND	ND	ND	--
	12/13/93	32.45		24.80	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	03/18/94	29.76		27.49	0.00	ND	ND	ND	ND	ND	--
	06/23/94	31.10		26.15	0.00	--	--	--	--	--	--
	09/21/94	32.96		24.29	0.00	ND	0.5	ND	ND	0.89	--
	12/19/94	30.60		26.65	0.00	--	--	--	--	--	--
	03/27/95	22.43		34.82	0.00	ND	ND	0.54	ND	1.9	--
	06/26/95	25.55		31.70	0.00	--	--	--	--	--	--
	07/28/95	26.84		30.41	0.00	--	--	--	--	--	--
	09/28/95	29.29		27.96	0.00	ND	ND	ND	ND	ND	--[3]
	10/24/95	30.05		27.20	0.00	--	--	--	--	--	--
	12/29/95	29.91		27.34	0.00	--	--	--	--	--	--
	03/27/96	21.94		35.31	0.00	ND	ND	1.1	ND	1.7	ND
	09/21/96	29.07		28.18	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	24.02		33.23	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	30.84		26.41	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	16.68		40.57	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	25.89		31.36	0.00	ND	ND	ND	ND	ND	4.1
	03/11/99	23.16		34.09	0.00	ND	ND	0.91	ND	1.6	5.7
	09/08/99	28.32		28.93	0.00	ND	ND	ND	ND	ND	2.7
	03/24/00	21.23		36.02	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	27.83		29.42	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	25.15		32.10	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**28.49**		**28.76**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-8											
57.71	02/16/90	35.10	24.0-44.0	22.61	0.00	1,900	11	ND	52	55	--
	05/01/90	--		--	--	770	6.5	ND	20	32	--
	07/19/90	35.41		22.30	0.00	--	--	--	--	--	--
	08/24/90	36.00		21.71	0.00	990	13	ND	48	66	--
	11/30/90	37.08		20.63	0.00	570	13	ND	45	36	--
	02/06/91	36.92		20.79	0.00	630	9.6	ND	35	36	--
	05/06/91	33.03		24.68	0.00	14,000	80	ND	250	550	--
	09/27/91	36.55		21.16	0.00	720	13	4.3	26	26	--
	12/27/91	37.34		20.37	0.00	1,600	15	2.9	40	49	--
	03/31/92	31.93[6]		25.78	0.00	15,000	120	1.0	430	530	--
	06/18/92	INACCESSIBLE		--	--	--	--	--	--	--	--
	10/16/92	35.58		22.13	0.00	300	0.96	ND	4.0	3.5	--
	11/18/92	35.94		21.77	0.00	1,100	6.1	ND	13	5.6	--
	03/03/93	26.00		31.71	0.00	13,000	33	ND	160	290	--
	06/25/93	28.27		29.44	0.00	8,100	160	ND	580	740	--
	09/03/93	30.90		26.81	0.00	9,800	180	ND	580	700	--
	12/13/93	32.75		24.96	0.00	6,900	180	ND	240	550	--
	03/18/94	30.12		27.59	0.00	6,100	85	ND	260	260	--
	06/23/94	31.40		26.31	0.00	12,000	210	ND	610	860	--
	09/21/94	33.30		24.41	0.00	6,900	190	ND	460	510	--
	12/19/94	30.95		26.76	0.00	6,200	91	ND	230	210	--
	03/27/95[2]	22.78		34.93	0.00	9,200	240	ND	200	1,400	--
	06/26/95	24.83		32.88	0.00	11,000	320	ND	680	2,000	--
	07/28/95	27.10		30.61	0.00	--	--	--	--	--	--
	09/28/95	29.58		28.13	0.00	10,000	250	ND	760	910	--[3]
	10/24/95	30.40		27.31	0.00	--	--	--	--	--	--
	12/29/95	30.25		27.46	0.00	7,500	260	ND	580	870	--[4]
	03/27/96	22.20		35.51	0.00	970	29	0.77	82	85	ND
	09/21/96	29.34		28.37	0.00	3,800	27	ND	46	45	ND
	03/31/97	24.35		33.36	0.00	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-8	09/27/97	31.15	24.0-44.0	26.56	0.00	78	0.90	ND	12	ND	ND
(cont)	03/20/98	16.84		40.87	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.14		31.57	0.00	910	ND	49	12	2.2	1.5
	03/11/99	23.48		34.23	0.00	4,700	9.6	ND[5]	280	95	ND[5]
	09/08/99	28.60		29.11	0.00	1,900[7]	ND[5]	ND[5]	36	ND[5]	ND[5]
	03/24/00	21.49		36.22	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	28.09		29.62	0.00	533[9]	2.23	ND	6.27	0.684	ND
	03/16/01	25.43		32.28	0.00	1,000	ND	ND	17.8	44.5	ND
	08/31/01	**28.89**		**28.82**	**0.00**	**6,500[10]**	**8.6**	**7.4**	**420**	**1,900**	**<25**
MW-9											
56.47	12/19/94	29.71	20.0-45.0	26.76	0.00	ND	ND	1.6	1.5	8.4	--
	03/27/95	21.48		34.99	0.00	ND	ND	0.61	ND	2.8	--
	06/26/95	24.50		31.97	0.00	ND	ND	ND	ND	3.9	--
	07/28/95	25.77		30.70	0.00	--	--	--	--	--	--
	09/28/95	28.23		28.24	0.00	ND	ND	ND	ND	ND	--
	10/24/95	29.21		27.26	0.00	--	--	--	--	--	--
	12/29/95	29.02		27.45	0.00	ND	ND	0.58	ND	0.52	--
	03/27/96	20.91		35.56	0.00	ND	ND	0.68	ND	0.51	ND
	09/21/96	28.05		28.42	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	23.48		32.99	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	30.38		26.09	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	15.60		40.87	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	24.85		31.62	0.00	ND	0.69	ND	ND	0.61	ND
	03/11/99	22.23		34.24	0.00	ND	ND	ND	ND	0.76	ND
	09/08/99	27.34		29.13	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	20.27		36.20	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	26.84		29.63	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	24.24		32.23	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**27.43**		**29.04**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, 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)
MW-10											
58.94	07/28/95	25.53	20.0-45.0	33.41	0.00	ND	ND	ND	ND	ND	--
	09/28/95	--		--	--	--	--	--	--	--	--
	10/24/95	31.76		27.18	0.00	ND	ND	ND	ND	ND	--
	12/29/95	31.55		27.39	0.00	ND	ND	0.65	ND	1.1	--
	03/27/96	23.62		35.32	0.00	ND	ND	0.68	ND	0.69	ND
	09/21/96	30.77		28.17	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	26.05		32.89	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	32.80		26.14	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	18.13		40.81	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	27.54		31.40	0.00	ND	ND	0.55	ND	ND	ND
	03/11/99	24.85		34.09	0.00	ND	ND	0.61	ND	0.87	ND
	09/08/99	29.97		28.97	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	22.90		36.04	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	29.48		29.46	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	26.80		32.14	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	**30.05**		**28.89**	**0.00**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
Trip Blank											
TB-LB	03/20/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/09/98	--		--	--	ND	ND	ND	ND	ND	ND
	03/11/99	--		--	--	ND	ND	ND	ND	ND	ND
	09/08/99	--		--	--	ND	ND	ND	ND	ND	ND
	03/24/00	--		--	--	ND	ND	ND	ND	ND	ND
	09/15/00	--		--	--	ND	ND	ND	ND	ND	ND
	03/16/01	--		--	--	ND	ND	ND	ND	ND	ND
	08/31/01	**--**		**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 20, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
S.I. = Screen Interval
(ft.bgs) = Feet Below Ground Surface
GWE = Groundwater Elevation
(msl) = Mean sea level

TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
(ppm) = Parts per million
ND = Not Detected
-- = Not Measured/Not Analyzed

* TOC elevations have been surveyed relative to msl.

** GWE was not corrected due to the presence of free product.

1 Chromatogram contains early eluting peak.

2 On March 27, 1995, Total Dissolved Solid concentrations were as follows: MW-2 at 410 ppm; MW-3 at 450 ppm; MW-8 at 490 ppm.

3 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.

4 Laboratory has identified the presence of MTBE at a level above or equal to the taste odor threshold of 40 ppb in the groundwater sample from this well.

5 Detection limit raised. Refer to analytical reports.

6 Data suspect; not used in water-elevation determination.

7 Laboratory report indicates gasoline C6-C12.

8 MTBE by EPA Method 8260.

9 Laboratory report indicates weathered gasoline C6-C12.

10 Laboratory report indicates unidentified hydrocarbons C6-C10.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5367
500 Bancroft Avenue
San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-3	09/15/00	<1,000	<100	12.6	<2.00	<2.00	<2.00	<2.00	<2.00

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	03/27/95[1]	--	1.5
	06/26/95	--	1.60
	09/28/95	--	1.22
	12/29/95	--	1.74
	03/27/96	1.48	1.02
	09/21/96	--	1.01
	03/31/97	1.47	1.49
MW-2	03/27/95[1]	--	1.7
	06/26/95	--	4.55
	09/28/95	--	3.00
	12/29/95	--	8.71
	03/27/96	--	--
	09/21/96	--	--
	03/31/97	2.18	2.12
MW-3	03/27/95[1]	--	0.90
	06/26/95	--	1.55
	09/28/95	--	1.63
	12/29/95	--	6.97
	03/27/96	--	--
	09/21/96	--	--
	03/31/97	1.95	2.06
MW-4	03/27/95[1]	--	4.90
	06/26/95	--	--
	09/28/95	--	6.29
	12/29/95	--	--
	03/27/96	4.32	3.91
	09/21/96	--	2.82
	03/31/97	2.66	2.63
MW-5	03/27/95[1]	--	5.20
	06/26/95	--	--
	09/28/95	--	1.96
	12/29/95	--	--
	03/27/96	4.03	4.71
	09/21/96	--	4.12
	03/31/97	2.98	3.11

Table 3

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, California

WELL ID	DATE	Before Purging *(mg/L)*	After Purging *(mg/L)*
MW-6	03/27/95[1]	--	7.4
	06/26/95	--	--
	09/28/95	--	4.19
	12/29/95	--	--
	03/27/96	5.94	4.96
	09/21/96	--	3.74
	03/31/97	3.21	3.11
MW-7	03/27/95[1]	--	8.4
	06/26/95	--	--
	09/28/95	--	2.04
	12/29/95	--	--
	03/27/96	6.63	5.23
	09/21/96	--	1.19
	03/31/97	2.29	2.16
MW-8	03/27/95[1]	--	2.2
	06/26/95	--	3.86
	09/28/95	--	1.85
	12/29/95	--	2.03
	03/27/96	11.73	9.76
	09/21/96	--	2.16
	03/31/97	2.81	2.91
	09/27/97	3.11	--
	03/20/98	--	2.65
MW-9	03/27/95[1]	--	7.8
	06/26/95	--	4.61
	09/28/95	--	5.76
	12/29/95	--	5.32
	03/27/96	5.62	5.23
	09/21/96	--	4.13
	03/31/97	3.36	3.27
MW-10	12/29/95	--	5.11
	03/27/96	4.38	4.57
	09/21/96	--	5.38
	03/31/97	4.48	4.83

Table 3

Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #5367

500 Bancroft Avenue

San Leandro, California

EXPLANATIONS:

Dissolved oxygen concentrations prior to March 20, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

[1] The measurements were taken at Sequoia Analytical Laboratory.

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 # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-1 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 35.11 ft.

Depth to Water 29.03 ft.

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

6.08 X VF 0.17 = 1.03 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack ~~Suction~~ Grundfos Other:

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

Starting Time: 1:44 Weather Conditions: clear

Sampling Time: 2:12 p.m (1412) Water Color: clear Odor: yes

Purging Flow Rate: 0.5 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:55	1	6.80	1.95	65.7			
1:58	2	6.77	1.96	66.2			
2:02	3.5	6.84	1.98	66.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x VOA VIAL	Y	HCL	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-2 Well Condition: O.K.

Well Diameter 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 46.78 ft

Depth to Water 28.74 ft

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

18.04 X VF 0.66 = 11.91 X 3 (case volume) = Estimated Purge Volume: 36 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / (Suction) / Grundfos / Other:

Sampling Equipment: (Disposable Bailer) / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 10:40 Weather Conditions: clear

Sampling Time: 11:15 AM (1115) Water Color: clear Odor: none

Purging Flow Rate: 2 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity x 100 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:56	12	7.55	9.65	71.2			
11:00	24	7.65	9.66	71.4			
11:04	36	7.58	9.67	71.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility #: 5367
Address: 500 Bancroft
City: San Leandro

Job#: 180108
Date: 8-31-01
Sampler: Joe

Well ID: MW-3
Well Condition: O.K.

Well Diameter: 4 in.
Hydrocarbon Thickness: 0 in.
Amount Bailed (product/water): 0 (gal.)

Total Depth: 47.95 ft.
Depth to Water: 28.53 ft.

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

19.42 X VF 0.66 = 12.82 X 3 (case volume) = Estimated Purge Volume: 38.5 (gal.)

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

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

Starting Time: 12:38
Sampling Time: 1:07 P.M. (1307)
Purging Flow Rate: 2.5 gpm.
Did well de-water?

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:50	13	7.41	4.65	72.1			
12:54	26	7.32	4.67	73.1			
12:58	38.5	7.33	4.66	73.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID: MW-4 Well Condition: O.K.

Well Diameter: 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth: 48.38 ft.

Depth to Water: 29.27 ft.

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

19.11 X VF 0.66 = 12.61 X 3 (case volume) = Estimated Purge Volume: 38 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 9:15 Weather Conditions: Clear

Sampling Time: 9:53 A.m (0953) Water Color: clear Odor: none

Purging Flow Rate: 2.5 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity x 100 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:25	12	7.59	6.75	71.9			
9:28	25	7.62	6.72	72.2			
9:42	38	7.70	6.79	72.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-5 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 44.31 ft.

Depth to Water 29.32 ft.

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

14.99 X VF 0.17 = 2.55 X 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 10:05 Weather Conditions: Clear

Sampling Time: 10:30 A.m (1030) Water Color: clear Odor: None

Purging Flow Rate: 1 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity x100 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:18	3.5	7.96	8.32	74.1			
10:20	5	7.56	8.36	73.9			
10:22	8	7.49	8.39	73.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x VOA VIAL	Y	HCL	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 44.60 ft.

Depth to Water 28.20 ft.

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

16.4 x VF 0.17 = 2.79 X 3 (case volume) = Estimated Purge Volume: 8.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 7:45 Weather Conditions: clear

Sampling Time: 8:25 AM (0825) Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity x 100 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:00	3	7.76	7.22	72.5			
8:02	5.5	7.50	7.25	73.8			
8:05	8.5	7.45	7.29	73.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-7 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 43.87 ft

Depth to Water 28.49 ft

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

15.38 X VF 0.17 = 2.61 X 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 12:05 Weather Conditions: clear

Sampling Time: 12:25 p.m (1225) Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity x 100 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:12	3	7.47	5.90	72.2			
12:14	5	7.52	6.12	72.5			
12:15	8	7.46	6.14	72.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility #: 5367
Address: 500 Bancroft
City: San Leandro

Job#: 180108
Date: 8-31-01
Sampler: Joe

Well ID: MW-8
Well Condition: O.K.

Well Diameter: 2 in.
Hydrocarbon Thickness: 0 in.
Amount Bailed (product/water): 0 (gal.)

Total Depth: 43.70 ft.
Depth to Water: 28.89 ft.

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

14.81 x VF 0.17 = 2.52 X 3 (case volume) = Estimated Purge Volume: 8 (gal.)

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

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

Starting Time: 1:15
Sampling Time: 1:35 8.m (1335)
Purging Flow Rate: 1 gpm.
Did well de-water?

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

Time	Volume (gal.)	pH	Conductivity x 100 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:23	2.5	7.41	4.76	73.1			
1:25	5.5	7.42	4.77	73.2			
1:27	8	7.38	4.79	73.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-9 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 44.51 ft.

Depth to Water 27.43 ft.

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

17.08 X VF 0.17 = 2.90 X 3 (case volume) = Estimated Purge Volume: 9 (gal.)

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

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

Starting Time: 8:35 Weather Conditions: clear

Sampling Time: 9:02 Am (0902) Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity x 1.0 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:45	3	7.41	9.55	73.3			
8:47	6	7.40	9.59	73.3			
8:49	9	7.44	9.57	73.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # 5367 Job#: 180108

Address: 500 Bancroft Date: 8-31-01

City: San Leandro Sampler: Joe

Well ID MW-10 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 49.53 ft.

Depth to Water 30.05 ft.

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

14.48 X VF 0.17 = 2.46 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; (Suction); Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 11:35 Weather Conditions: Clear

Sampling Time: 11:55 AM (1155) Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:41	2.5	7.49	7.99	73.8			
11:45	5	7.57	8.10	74.0			
11:46	7.5	7.55	8.14	74.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x VOA VIAL	Y	HCl	Seq.	TPHG/BTEX/MTBE

COMMENTS: Note proper location of this well on site plan.

Chain of Custody Record

TOSCO

Tosco Marketing Company
2000 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: UNOCAL SS#5367
Facility Address: 500 Bancroft Ave., San Leandro, CA
Consultant Project Number: 180108.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone) 925-551-7555 (Fax Number) 925-551-7888

Contact (Name): Mr. David De Witt
(Phone): 277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 8-31-01
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS Remarks
TB-LB		1 VOA	W	G	—	HCL	Y	✓												
MW-1		3 VOA	"	"	1412	"	"	✓												
MW-2		"	"	"	1115	"	"	✓												
MW-3		"	"	"	1307	"	"	✓												
MW-4		"	"	"	0953	"	"	✓												
MW-5		"	"	"	1030	"	"	✓												
MW-6		"	"	"	0825	"	"	✓												
MW-7		"	"	"	1225	"	"	✓												
MW-8		"	"	"	1335	"	"	✓												
MW-9		"	"	"	0902	"	"	✓												
MW-10		"	"	"	1155	"	"	✓												

Relinquished By (Signature)	Organization: G-R Inc.	Date/Time: 8-31-01 1530	Received By (Signature)	Organization	Date/Time: 9/31/01 1530
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

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
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17 September, 2001

Deanna Harding
Gettler Ryan/Geostrategies - Tosco/Unocal
6747 Sierra Ct, Suite J
Dublin, CA 94568

RE: -
Sequoia Report: MKI0014

Enclosed are the results of analyses for samples received by the laboratory on 08/31/01 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	MKI0014-01	Water	08/31/01 00:00	08/31/01 15:30
MW-1	MKI0014-02	Water	08/31/01 14:12	08/31/01 15:30
MW-2	MKI0014-03	Water	08/31/01 11:15	08/31/01 15:30
MW-3	MKI0014-04	Water	08/31/01 13:07	08/31/01 15:30
MW-4	MKI0014-05	Water	08/31/01 09:53	08/31/01 15:30
MW-5	MKI0014-06	Water	08/31/01 10:30	08/31/01 15:30
MW-6	MKI0014-07	Water	08/31/01 08:25	08/31/01 15:30
MW-7	MKI0014-08	Water	08/31/01 12:25	08/31/01 15:30
MW-8	MKI0014-09	Water	08/31/01 13:35	08/31/01 15:30
MW-9	MKI0014-10	Water	08/31/01 09:02	08/31/01 15:30
MW-10	MKI0014-11	Water	08/31/01 11:55	08/31/01 15:30

Sequoia Analytical - Morgan Hill

James Hartley, 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.

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Gettler Ryan/Geostrategies - Tosco/Unocal
6747 Sierra Ct, Suite J
Dublin CA, 94568

Project: -
Project Number: Unocal SS #5367
Project Manager: Deanna Harding

Reported:
09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (MK10014-01) Water Sampled: 08/31/01 00:00 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104003	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*		*70-130*	"	"	"	"	
MW-1 (MK10014-02) Water Sampled: 08/31/01 14:12 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	**62000**	5000	ug/l	100	1105003	09/05/01	09/05/01	DHS LUFT/8015B	P-03
Benzene	**79**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	**3000**	50	"	"	"	"	"	"	
Xylenes (total)	**13000**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*		*70-130*	"	"	"	"	
MW-2 (MK10014-03) Water Sampled: 08/31/01 11:15 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1105003	09/05/01	09/05/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.4 %*		*70-130*	"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MK10014-04) Water Sampled: 08/31/01 13:07 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104004	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.4 %*		*70-130*	"	"	"	"	
MW-4 (MK10014-05) Water Sampled: 08/31/01 09:53 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104004	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.6 %*		*70-130*	"	"	"	"	
MW-5 (MK10014-06) Water Sampled: 08/31/01 10:30 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104004	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.3 %*		*70-130*	"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MK10014-07) Water Sampled: 08/31/01 08:25 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104004	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.6 %*		*70-130*	"	"	"	"	
MW-7 (MK10014-08) Water Sampled: 08/31/01 12:25 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104004	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.8 %*		*70-130*	"	"	"	"	
MW-8 (MK10014-09) Water Sampled: 08/31/01 13:35 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	**6500**	500	ug/l	10	1104004	09/04/01	09/04/01	DHS LUFT/8015B	P-03
Benzene	**8.6**	5.0	"	"	"	"	"	"	
Toluene	**7.4**	5.0	"	"	"	"	"	"	
Ethylbenzene	**420**	5.0	"	"	"	"	"	"	
Xylenes (total)	**1900**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.6 %*		*70-130*	"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MK10014-10) Water Sampled: 08/31/01 09:02 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1104004	09/04/01	09/04/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.6 %*	*70-130*		"	"	"	"	
MW-10 (MK10014-11) Water Sampled: 08/31/01 11:55 Received: 08/31/01 15:30									
Gasoline Range Organics (C6-C12)	ND	50	ug/l	1	1105003	09/05/01	09/05/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.7 %*	*70-130*		"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1104003 - EPA 5030B [P/T]										
Blank (1104003-BLK1)				Prepared & Analyzed: 09/04/01						
Gasoline Range Organics (C6-C12)	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	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*70-130*			
LCS (1104003-BS1)				Prepared & Analyzed: 09/04/01						
Benzene	9.79	0.50	ug/l	10.0		97.9	70-130			
Toluene	11.1	0.50	"	10.0		111	70-130			
Ethylbenzene	11.8	0.50	"	10.0		118	70-130			
Xylenes (total)	34.9	0.50	"	30.0		116	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.0*		"	*10.0*		*110*	*70-130*			
LCS (1104003-BS2)				Prepared & Analyzed: 09/04/01						
Gasoline Range Organics (C6-C12)	275	50	ug/l	250		110	70-130			
Surrogate: a,a,a-Trifluorotoluene	*12.5*		"	*10.0*		*125*	*70-130*			
Matrix Spike (1104003-MS1)		Source: MKH0640-02		Prepared & Analyzed: 09/04/01						
Gasoline Range Organics (C6-C12)	257	50	ug/l	250	ND	103	60-140			
Surrogate: a,a,a-Trifluorotoluene	*11.0*		"	*10.0*		*110*	*70-130*			
Matrix Spike Dup (1104003-MSD1)		Source: MKH0640-02		Prepared & Analyzed: 09/04/01						
Gasoline Range Organics (C6-C12)	273	50	ug/l	250	ND	109	60-140	6.04	25	
Surrogate: a,a,a-Trifluorotoluene	*11.2*		"	*10.0*		*112*	*70-130*			

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1104004 - EPA 5030B [P/T]										
Blank (1104004-BLK1)				Prepared & Analyzed: 09/04/01						
Gasoline Range Organics (C6-C12)	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	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.19*		"	*10.0*		*91.9*	*70-130*			
LCS (1104004-BS1)				Prepared & Analyzed: 09/04/01						
Benzene	10.6	0.50	ug/l	10.0		106	70-130			
Toluene	10.8	0.50	"	10.0		108	70-130			
Ethylbenzene	11.3	0.50	"	10.0		113	70-130			
Xylenes (total)	30.0	0.50	"	30.0		100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.96*		"	*10.0*		*99.6*	*70-130*			
LCS (1104004-BS2)				Prepared & Analyzed: 09/04/01						
Gasoline Range Organics (C6-C12)	236	50	ug/l	250		94.4	70-130			
Surrogate: a,a,a-Trifluorotoluene	*14.3*		"	*10.0*		*143*	*70-130*			*S-02*
Matrix Spike (1104004-MS1)		Source: MK10014-04		Prepared & Analyzed: 09/04/01						
Benzene	11.1	0.50	ug/l	10.0	ND	110	60-140			
Toluene	11.2	0.50	"	10.0	ND	112	60-140			
Ethylbenzene	11.0	0.50	"	10.0	ND	110	60-140			
Xylenes (total)	42.5	0.50	"	30.0	ND	142	60-140			QM-07
Surrogate: a,a,a-Trifluorotoluene	*9.90*		"	*10.0*		*99.0*	*70-130*			
Matrix Spike Dup (1104004-MSD1)		Source: MK10014-04		Prepared & Analyzed: 09/04/01						
Benzene	11.2	0.50	ug/l	10.0	ND	111	60-140	0.897	25	
Toluene	11.4	0.50	"	10.0	ND	114	60-140	1.77	25	
Ethylbenzene	9.58	0.50	"	10.0	ND	95.8	60-140	13.8	25	
Xylenes (total)	40.7	0.50	"	30.0	ND	136	60-140	4.33	25	
Methyl tert-butyl ether	49.5	2.5	"		ND		60-140		25	
Surrogate: a,a,a-Trifluorotoluene	*9.92*		"	*10.0*		*99.2*	*70-130*			

Sequoia Analytical

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1105003 - EPA 5030B [P/T]										
Blank (1105003-BLK1)				Prepared & Analyzed: 09/05/01						
Gasoline Range Organics (C6-C12)	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	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			
LCS (1105003-BS1)				Prepared & Analyzed: 09/05/01						
Benzene	9.66	0.50	ug/l	10.0		96.6	70-130			
Toluene	10.9	0.50	"	10.0		109	70-130			
Ethylbenzene	11.4	0.50	"	10.0		114	70-130			
Xylenes (total)	33.5	0.50	"	30.0		112	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			
LCS (1105003-BS2)				Prepared & Analyzed: 09/05/01						
Gasoline Range Organics (C6-C12)	239	50	ug/l	250		95.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.5*		"	*10.0*		*115*	*70-130*			
Matrix Spike (1105003-MS1)		Source: MKH0543-16		Prepared & Analyzed: 09/05/01						
Benzene	9.53	0.50	ug/l	10.0	ND	95.3	60-140			
Toluene	11.0	0.50	"	10.0	ND	110	60-140			
Ethylbenzene	11.2	0.50	"	10.0	ND	112	60-140			
Xylenes (total)	33.8	0.50	"	30.0	ND	113	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.7*		"	*10.0*		*107*	*70-130*			
Matrix Spike Dup (1105003-MSD1)		Source: MKH0543-16		Prepared & Analyzed: 09/05/01						
Benzene	9.44	0.50	ug/l	10.0	ND	94.4	60-140	0.949	25	
Toluene	10.7	0.50	"	10.0	ND	107	60-140	2.76	25	
Ethylbenzene	11.1	0.50	"	10.0	ND	111	60-140	0.897	25	
Xylenes (total)	33.5	0.50	"	30.0	ND	112	60-140	0.892	25	
Surrogate: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: -	
6747 Sierra Ct, Suite J	Project Number: Unocal SS #5367	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	09/17/01 10:08

Notes and Definitions

P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
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