GETTLER-RYAN INC.

TRANSMITTAL

November 13, 2000
G-R #:180107

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) SS #5430
1935 Washington Avenue
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	November 9, 2000	Groundwater Monitoring and Sampling Report Second Semi-Annual 2000 - Event of September 11, 2000

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 ***November 22, 2000***, this report will be distributed to the following:

Enclosure

cc: Mr. Scott Seery, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501
Mr. Michael Bakaldin, City of San Leandro Fire Dept., 835 East 14th Street, San Leandro, CA 94577

agency/5430dbd.qmt

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

A Member of The IT Group

505

STW 1747

October 20, 2000
Project 311-038.1A

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

Re: 76 Service Station 5430
Quarterly Summary Report
Third Quarter 2000

Dear Mr. Headlee:

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

Service Station	Location
5430	1935 Washington Avenue, San Leandro

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, Tosco Marketing Company
Mr. Tom Peacock, Alameda County Environmental Health Care Services

Quarterly Summary Report
Third Quarter 2000

76 Service Station 5430
1935 Washington Avenue at Castro Street
San Leandro, California

County STID #: 1747
County: Alameda

BACKGROUND

Unocal files suggest that a product line leak occurred in June 1976, and that one of the original underground gasoline storage tanks failed a precision test in October 1981. In December 1981, the two original steel gasoline storage tanks were replaced with two fiberglass gasoline storage tanks. There are currently six on-site groundwater monitoring wells and one off-site groundwater monitoring well in use at the site. In July 1997, three off-site exploratory borings were drilled on the property to the south of the 76 station. Based on the findings of that investigation, the lateral extent of hydrocarbon impact to groundwater is considered delineated. The product dispensers and associated underground product piping were replaced in July and August 1998. The underground waste oil storage tank was also removed and replaced with an aboveground waste oil storage tank.

RECENT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities were performed in September 2000.

NEXT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities performed in September 2000 will be reported in November 2000.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.
Dissolved groundwater delineated? Yes.
Free product delineated? Not applicable.
Amount of groundwater contaminant recovered this quarter? None.
Soil remediation in progress? Not applicable.
Anticipated start date? Not applicable.
Anticipated completion date? Not applicable.
Dissolved/free product remediation in progress? No.
Anticipated start? Unknown.
Anticipated completion? Unknown.

CONSULTANT: IT Corporation

505

IT Corporation
1921 Ringwood Avenue
San Jose, CA 95131-1721
Tel. 408.453.7300
Fax. 408.437.9526
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STID 1247

00 JUL 24 PM 1:26

July 17, 2000
Project 311-038.1A

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

Re: 76 Service Station 5430
Quarterly Summary Report
Second Quarter 2000

Dear Mr. Headlee:

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

Service Station	Location
5430	1935 Washington Avenue, San Leandro

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, Tosco Marketing Company
Mr. Tom Peacock, Alameda County Environmental Health Care Services

Quarterly Summary Report
Second Quarter 2000

76 Service Station 5430
1935 Washington Avenue at Castro Street
San Leandro, California

County STID #: 1747
County: Alameda

BACKGROUND

Unocal files suggest that a product line leak occurred in June 1976, and that one of the original underground gasoline storage tanks failed a precision test in October 1981. In December 1981, the two original steel gasoline storage tanks were replaced with two fiberglass gasoline storage tanks. There are currently six on-site groundwater monitoring wells and one off-site groundwater monitoring well in use at the site. In July 1997, three off-site exploratory borings were drilled on the property to the south of the 76 station. Based on the findings of that investigation, the lateral extent of hydrocarbon impact to groundwater is considered delineated. The product dispensers and associated underground product piping were replaced in July and August 1998. The underground waste oil storage tank was also removed and replaced with an aboveground waste oil storage tank.

RECENT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities performed March 2000 were reported in April 2000.

NEXT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities will be performed in September 2000.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.
Dissolved groundwater delineated? Yes.
Free product delineated? Not applicable.
Amount of groundwater contaminant recovered this quarter? None.
Soil remediation in progress? Not applicable.
Anticipated start date? Not applicable.
Anticipated completion date? Not applicable.
Dissolved/free product remediation in progress? No.
Anticipated start? Unknown.
Anticipated completion? Unknown.

CONSULTANT: IT Corporation

GETTLER-RYAN INC.

November 9, 2000
G-R Job #180107

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

RE: Second Semi-Annual 2000 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Dear Mr. De Witt:

This report documents the semi-annual groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On September 11, 2000, field personnel monitored and sampled seven wells (U-1 through U-7) at the above referenced site. In addition, on October 13, 2000, field personnel monitored and sampled one well (U-6) at the above referenced site.

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. 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,

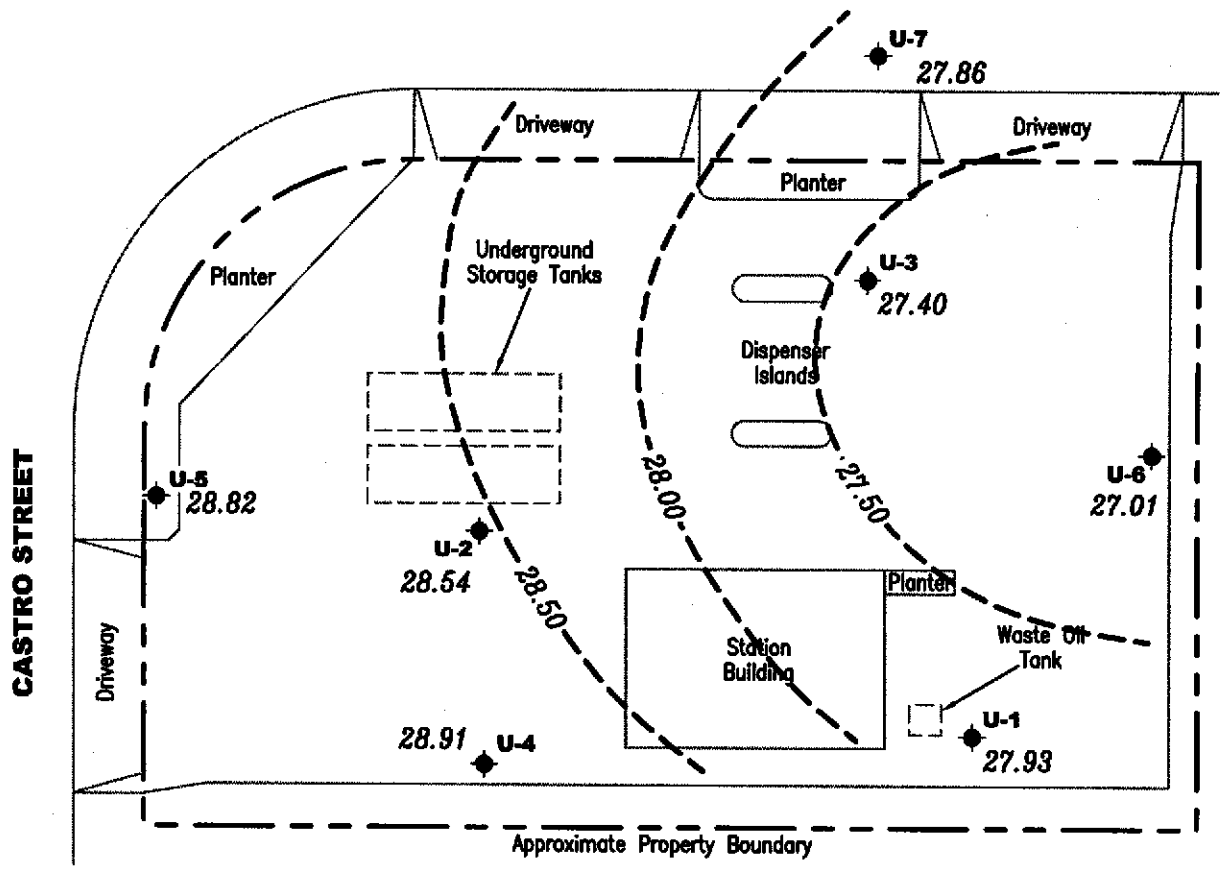
Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

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

5430.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.

Approximate groundwater flow direction at a gradient of 0.013 Ft./Ft.

N

0 30

Scale in Feet

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

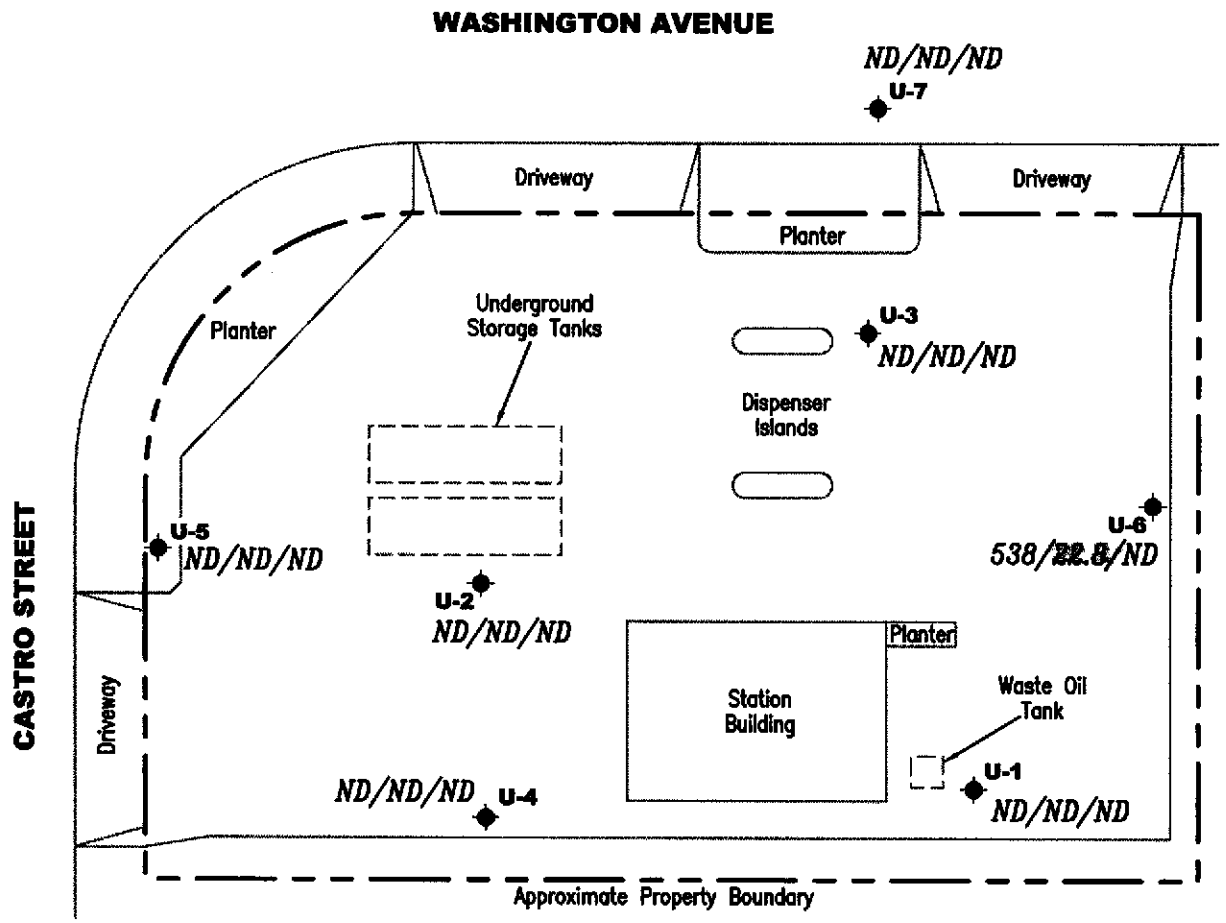
Gettler - Ryan Inc.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

FIGURE 1

PROJECT NUMBER 180107
REVIEWED BY
DATE September 11, 2000
REVISED DATE

FILE NAME: P:\ENVIRO\TOSCO\5430\Q00-5430.DWG | Layout Tab: Pot3



EXPLANATION

✦	Groundwater monitoring well
A/B/C	TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ ~~Benzene~~/MTBE concentrations in ppb
ND	Not Detected

N

0 30

Scale in Feet

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 #5430
1935 Washington Avenue
San Leandro, California

FIGURE 2

PROJECT NUMBER 180107

REVIEWED BY

DATE September 11, 2000

REVISED DATE

FILE NAME: P:\ENVIRO\TOSCO\5430\Q00-5430.DWG | Layout Tab: Con3

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-1												
56.58	08/13/93[1]	31.60	24.98	50[2]	310	0.84	ND	2.6	1.0	--	--	--
	09/07/93	31.60	24.98	--	--	--	--	--	--	--	--	--
56.10	12/16/93[1]	33.19	22.91	130[3]	ND	ND	ND	ND	ND	--	--	--
	01/13/94	33.06	23.04	--	--	--	--	--	--	--	--	--
	02/09/94	32.70	23.40	--	--	--	--	--	--	--	--	--
	03/25/94[1]	31.07	25.03	57[3]	58	0.63	0.79	ND	0.65	--	--	--
	05/18/94	31.76	24.34	--	--	--	--	--	--	--	--	--
	06/19/94[1]	32.26	23.84	61[3]	51	ND	1.4	ND	2.7	--	ND	7.4
	07/27/94	33.07	23.03	--	--	--	--	--	--	--	--	--
	08/18/94	33.50	22.60	--	--	--	--	--	--	--	--	--
	09/15/94[1]	33.93	22.17	83[3]	ND	0.50	0.85	ND	0.77	--	ND	9.5
	10/11/94	33.25	22.85	--	--	--	--	--	--	--	--	--
	11/08/94	34.05	22.05	--	--	--	--	--	--	--	--	--
	12/06/94[1]	32.37	23.73	ND	ND	ND	ND	ND	ND	--	ND	5.8
	01/10/95	31.29	24.81	--	--	--	--	--	--	--	--	--
56.09	03/14/95	27.86	28.23	71[3]	380	20	ND	ND	10	--	--	--
	06/20/95	28.20	27.89	170[3]	500	50	ND	ND	4.4	--	--	--
	09/18/95	30.65	25.44	72.00	57	1.2	0.75	0.57	2.2	--[6]	--	--
	12/14/95	32.20	23.89	ND	ND	0.72	1.4	1.2	3.6	--	ND	3.8
	03/06/96	26.53	29.56	ND	96	4.5	ND	ND	3.7	ND	--	--
	06/04/96	27.43	28.66	170[3]	410	48	ND	3.4	7.9	ND	--	--
	09/06/96	30.25	25.84	ND	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	26.03	30.06	--	ND	ND	ND	ND	ND	ND	ND	43
	09/04/97	31.56	24.53	--	ND	ND	ND	ND	ND	ND	ND	4.5
	03/09/98	20.63	35.46	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/01/98	27.82	28.27	--	ND	0.59	ND	ND	ND	3.1	ND	8.9

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-1	03/02/99	26.83	29.26	--	ND	ND	ND	ND	ND	ND	ND	4.5
(cont)	09/07/99	28.03	28.06	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/00	25.50	30.59	--	ND	ND	ND	ND	ND	ND	ND	1.32
	09/11/00[16]	**28.16**	**27.93**	**--**	**ND**	**ND**	**0.592**	**ND**	**ND**	**ND**	**ND[9]**	**ND[9]**
U-2												
55.77	08/13/93	30.87	24.90	--	1,400	ND	ND	ND	ND	--	--	--
	09/07/93	30.87	24.90	--	--	--	--	--	--	--	--	--
55.27	12/16/93	32.19	23.08	--	330	1.7	ND	11	8.5	--	--	--
	01/13/94	32.13	23.14	--	--	--	--	--	--	--	--	--
	02/09/94	33.50	21.77	--	--	--	--	--	--	--	--	--
	03/25/94	30.09	25.18	--	130	0.70	0.78	0.65	0.64	--	ND	11
(D)	03/25/94	--	--	--	--	--	--	--	--	--	ND	ND
	05/18/94	30.73	24.54	--	--	--	--	--	--	--	--	--
	06/19/94	31.31	23.96	--	180[4]	ND	ND	ND	0.86	--	ND	0.54
	07/27/94	32.12	23.15	--	--	--	--	--	--	--	--	--
	08/18/94	32.50	22.77	--	--	--	--	--	--	--	--	--
	09/15/94	33.00	22.27	--	1,000[5]	44	ND	ND	ND	--	ND	0.66
	10/11/94	32.35	22.92	--	--	--	--	--	--	--	--	--
	11/08/94	33.09	22.18	--	--	--	--	--	--	--	--	--
	12/06/94	31.44	23.83	--	250	19	ND	ND	ND	--	ND	ND
	01/10/95	30.25	25.02	--	--	--	--	--	--	--	--	--
55.29	03/14/95	26.36	28.93	--	89	ND	ND	ND	1.2	--	--	--
	06/20/95	26.74	28.55	--	ND	ND	0.58	ND	1.7	--	--	--
	09/18/95	29.65	25.64	--	ND	ND	ND	ND	0.85	--[6]	--	--
	12/14/95	31.10	24.19	--	ND	ND	0.89	ND	2.0	--[7]	ND	ND
	03/06/96	25.17	30.12	--	ND	ND	ND	ND	ND	80	--	--
	06/04/96	26.03	29.26	--	ND	ND	ND	ND	ND	110	--	--
	09/06/96	29.18	26.11	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.64	30.65	--	ND	ND	ND	ND	ND	42	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-2	09/04/97	30.59	24.70	--	ND	ND	ND	ND	ND	46	--	--
(cont)	03/09/98	19.22	36.07	--	ND	ND	ND	ND	ND	4.4	--	--
	09/01/98	26.40	28.89	--	ND	ND	ND	ND	ND	25	--	--
	03/02/99	25.48	29.81	--	ND	ND	ND	ND	ND	16	--	--
	09/07/99	26.51	28.78	--	ND	ND	ND	ND	ND	20	--	--
	03/09/00	23.95	31.34	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	**26.75**	**28.54**	**--**	**ND**	**ND**	**0.635**	**ND**	**ND**	**ND**	**--**	**--**
U-3												
55.66	08/13/93	30.70	24.96	--	23,000	1,000	ND	1,700	1,600	--	--	--
	09/07/93	30.70	24.96	--	--	--	--	--	--	--	--	--
55.24	12/16/93	32.08	23.16	--	15,000	570	ND	940	670	--	--	--
	01/13/94	31.98	23.26	--	--	--	--	--	--	--	--	--
	02/09/94	33.82	21.42	--	--	--	--	--	--	--	--	--
	03/25/94	30.03	25.21	--	18,000	560	40	1,000	770	--	ND	480
	05/18/94	30.66	24.58	--	--	--	--	--	--	--	--	--
	06/19/94	31.19	24.05	--	17,000	580	ND	1,300	90	--	ND	410
	07/27/94	31.98	23.26	--	--	--	--	--	--	--	--	--
	08/18/94	32.39	22.85	--	--	--	--	--	--	--	--	--
	09/15/94	32.84	22.40	--	12,000	370	ND	970	610	--	ND	420
	10/11/94	32.20	23.04	--	--	--	--	--	--	--	--	--
	11/08/94	33.01	22.23	--	--	--	--	--	--	--	--	--
	12/06/94	31.34	23.90	--	17,000	390	ND	990	560	--	ND	430
	01/10/95	30.23	25.01	--	--	--	--	--	--	--	--	--
55.23	03/14/95	25.44	29.79	--	13,000	860	120	1,300	1,700	--	--	--
	06/20/95	26.70	28.53	--	9,800	590	ND	800	1,000	--	--	--
	09/18/95	29.55	25.68	--	9,800	600	ND	1,000	760	--[6]	--	--
	12/14/95	31.02	24.21	--	10,000	520	ND	920	630	--[7]	ND	240
	03/06/96	25.25	29.98	--	19,000	1,400	ND	1,800	3,000	73	--	--
	06/04/96	26.00	29.23	--	8,800	510	ND	600	830	ND	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-3	09/06/96	29.06	26.17	--	15,000	360	20	540	450	ND	--	--
(cont)	03/08/97	24.65	30.58	--	3,500	310	ND	230	630	ND	ND	100
	09/04/97	30.44	24.79	--	700	27	ND	48	34	ND	ND	160
	03/09/98	19.20	36.03	--	410	22	1.2	ND[9]	6.1	24	ND	4.4
	09/01/98	26.33	28.90	--	ND	ND	ND	ND	ND	6.1	ND	ND
	03/02/99	25.50	29.73	--	2,100	110	2.6	ND[9]	240	39	ND	6.7
	09/07/99[13]	27.63	27.60	--	2,400[12]	67	ND[9]	150	150	ND[9]	ND	1.1
	03/09/00	24.05	31.18	--	3,250[12]	143	ND[9]	59.0	326	ND[9]	ND[9]	ND[9]
	09/11/00[17]	**27.83**	**27.40**	--	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**1.17**
U-4												
55.39	03/14/95	26.52	28.87	--	490	3.2	2.1	0.79	1.2	--	ND	ND
	06/20/95	26.90	28.49	--	ND	ND	ND	ND	1.5	--	--	--
	09/18/95	29.79	25.60	--	ND	ND	ND	ND	ND	--[6]	--	--
	12/14/95	31.23	24.16	--	ND	ND	0.59	ND	0.79	--[7]	ND	ND
	03/06/96	25.30	30.09	--	ND	ND	ND	ND	0.62	50	--	--
	06/04/96	26.19	29.20	--	ND	ND	ND	ND	ND	290	--	--
	09/06/96	29.32	26.07	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.79	30.60	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/97	30.71	24.68	--	ND	ND	ND	ND	ND	18	--	--
	03/09/98	19.37	36.02	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/98	26.56	28.83	--	ND	ND	ND	ND	ND	ND	--	--
	03/02/99	25.62	29.77	--	110	0.89	0.53	ND	0.79	4.9	--	--
	09/07/99	26.82	28.57	--	ND	ND	ND	ND	ND	3.0	--	--
	03/09/00	24.07	31.32	--	ND	ND	0.615	ND	1.05	ND	--	--
	09/11/00	**26.48**	**28.91**	--	**ND**	**ND**	**0.686**	**ND**	**ND**	**ND**	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-5												
54.18	03/14/95	25.20	28.98	--	ND	ND	ND	ND	1.2	--	ND	ND
	06/20/95	25.60	28.58	--	ND	ND	ND	ND	1.6	--	--	--
	09/18/95	28.55	25.63	--	ND	ND	ND	ND	0.66	--	--	--
	12/14/95	29.94	24.24	--	ND	ND	ND	ND	ND	--	ND	ND
	03/06/96	24.03	30.15	--	ND	ND	ND	ND	ND	ND	--	--
	06/04/96	24.91	29.27	--	ND	ND	ND	ND	ND	ND	--	--
	09/06/96	28.06	26.12	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	23.49	30.69	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/97	29.46	24.72	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/98	18.10	36.08	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/98	25.27	28.91	--	ND	ND	ND	ND	ND	ND	--	--
	03/02/99	24.35	29.83	--	ND	ND	ND	ND	ND	ND	--	--
	09/07/99	26.39	27.79	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/00	22.81	31.37	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	**25.36**	**28.82**	**--**	**ND**	**ND**	**0.640**	**ND**	**ND**	**ND**	**--**	**--**
U-6												
55.36	03/14/95	26.94	28.42	--	14,000	170	36	790	1,500	--	ND	210
	06/20/95	27.15	28.21	--	8,500	170	11	950	1,300	--	--	--
	09/18/95	29.95	25.41	--	9,500	260	ND	1,400	1,800	--[6]	--	--
	12/14/95	31.32	24.04	--	15,000	240	ND	1,400	1,700	--[7]	ND	370
	03/06/96	25.71	29.65	--	2,400	54	ND	170	250	ND	--	--
	06/04/96	26.52	28.84	--	4,600	83	ND	400	520	46	--	--
	09/06/96	29.41	25.95	--	12,000	180	6.4	690	600	95	--	--
	03/08/97	25.25	30.11	--	2,000	180	ND	96	290	ND	--	--
	09/04/97	30.75	24.61	--	680	17	ND	52	39	ND	--	--
	03/09/98	19.84	35.52	--	690	41	8.5	3.2	140	16	--	--
	09/01/98	INACCESSIBLE (PAVED OVER)			--	--	--	--	--	--	--	--
	03/02/99	25.95	29.41	--	3,900	240	ND[9]	650	430	45	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-6	09/07/99	28.19	27.17	--	320[12]	14	ND[9]	5.2	ND[9]	10	--	--
(cont)	03/09/00	24.64	30.72	--	4,980[12]	193	ND[9]	520	365	ND[9]	--	--
	09/11/00	**28.35**	**27.01**	--	**538[15]**	**22.8**	**ND**	**13.8**	**3.11**	**ND**	--	--
	10/13/00	**29.67**	**25.69**	--	--	--	--	--	--	**--/ND[18]**	--	--
U-7												
55.05	03/14/95	26.13	28.92	--	ND	ND	ND	ND	ND	--	ND	ND
	06/20/95	26.38	28.67	--	ND	ND	ND	ND	ND	--	--	--
	09/18/95	29.21	25.84	--	ND	ND	ND	ND	ND	--	--	--
	12/14/95	30.75	24.30	--	ND	ND	ND	ND	0.88	--	ND	ND
	03/06/96	25.10	29.95	--	ND	ND	ND	ND	ND	ND	--	--
	06/04/96	25.67	29.38	--	ND	ND	ND	ND	ND	ND	--	--
	09/06/96	28.75	26.30	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.33	30.72	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/97[8]	30.16	24.89	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/98	18.91	36.14	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/01/98[10]	26.04	29.01	--	88	ND	ND	ND	ND	2.9	ND	ND
	03/02/99[11]	25.30	29.75	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/07/99	27.27	27.78	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/00[14]	23.76	31.29	--	ND	ND	ND	ND	1.09	ND	ND	ND
	09/11/00[17]	**27.19**	**27.86**	--	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
Trip Blank												
TB-LB	03/09/98	--	--	--	ND	ND	0.53	ND	ND	ND	--	--
	09/01/98	--	--	--	ND	ND	ND	ND	ND	5.0	--	--
	03/02/99	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/07/99	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/00	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	--	--	--	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	--	--
	10/13/00	--	--	--	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 9, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
TPH(D) = Total Petroleum Hydrocarbons as Diesel
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
1,2-DCB = 1,2-Dichlorobenzene

1,2-DCA = 1,2-Dichloroethane
ppb = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed
(D) = Duplicate

* TOC elevations were surveyed March 1995, based on Benchmark provided by City of San Leandro, City Engineers Office, Datum 1929, USGS adjusted. Prior to December 16, 1993, the DTW measurements were taken from the top of well covers.

1 Total Oil and Grease (TOG) was ND.
2 Not a typical diesel pattern; lower boiling hydrocarbons in the boiling range of stoddard calculated as diesel.
3 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
4 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
5 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
6 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
7 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.
8 Carbon tetrachloride was detected at a concentration of 1.3 ppb.
9 Detection limit raised. Refer to analytical reports.
10 Carbon tetrachloride was detected at a concentration of 2.0 ppb, and Chloroform was detected at a concentration of 0.60 ppb.
11 Carbon tetrachloride was detected at a concentration of 1.2 ppb.
12 Laboratory report indicates gasoline C6-C12.
13 Bromodichloromethane was detected at 1.4 ppb and Chloroform was detected at 31 ppb. All EPA Method 8010 reanalyzed by an alternate column or method to confirm the identification and/or concentration of these results.
14 Laboratory report indicates Carbon tetrachloride was detected at 0.801 ppb.
15 Laboratory report indicates weathered gasoline C6-C12.
16 All other Volatile Organic Compounds (VOCs) by EPA Method 8010 were ND with a raised detection limit, except for Bromadichloromethane was detected at 3.58 ppb and Chloroform was detected at 75.2 ppb.
17 All other VOCs by EPA Method 8010 were ND.
18 MTBE by EPA Method 8260.

Note: All EPA Method 8010 constituents were ND, except as indicated above.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-6	10/13/00	ND	ND	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/1,2-Dibromoethane

(ppb) = Parts per billion

-- = Not Analyzed

ND = Not Detected

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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.

TOSCO (UNOCAL) SS#5430
San Leandro, CA

MONITORING & SAMPLING EVENT
September 11, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 39.60 ft.

Depth to Water 28.16 ft.

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

11.44 x VF 0.17 = 1.94 x 3 (case volume) = Estimated Purge Volume: 6 (gal.)

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

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

Starting Time: 11:15 Weather Conditions: Foggy

Sampling Time: 11:30 a.m. Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

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)
11:21	2	7.96	6.96	74.1			
11:22	4	7.18	7.14	74.2			
11:23	6	7.27	7.27	74.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-1	3 VOA	Y	HCL	Seq.	TPH, BTEX, MTBE
	2 VOA	"	"	"	8010

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 29.27 ft

Depth to Water 26.75 ft

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

2.52 X VF 0.17 = 0.43 X 3 (case volume) = Estimated Purge Volume: 1.5 (gal.)

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

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

Starting Time: 10:45 Weather Conditions: Foggy

Sampling Time: 11:05 Am Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description: none

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)
10:51	0.5	7.90	10.11	67.1			
10:53	1	7.50	10.46	66.2			
10:55	1.5	7.56	10.98	66.2			

LABORATORY INFORMATION

SAMPLE ID	(#) · CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-2	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 38.53 ft

Depth to Water 27.83 ft

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

10.7 x VF 0.17 = 1.82 x 3 (case volume) = Estimated Purge Volume: 6 (gal.)

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

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

Starting Time: 11:42 Weather Conditions: Foggy

Sampling Time: 11:56 A.m Water Color: clear Odor: mild

Purging Flow Rate: 1 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (mmhos/cm)	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:46	2	7.41	4.68	72.8			
11:47	4	7.31	4.60	73.1			
11:49	6	7.22	4.61	73.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-3	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	2 VOA	"	"	"	8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 39.03 ft.

Depth to Water 26.48 ft.

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

12.55 X VF 0.17 = 2.13 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- (Suction)
- Grundfos
- Other: _____

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

Starting Time: 12:45 Weather Conditions: Foggy

Sampling Time: 10:35 A.M Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

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)
10:22	2	7.35	9.41	71.9			
10:23	4	7.30	9.48	72.5			
10:24	6.5	7.29	9.42	72.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-4	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 38.51 ft.

Depth to Water 25.36 ft.

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

13.15 X VF 0.17 = 2.24 X 3 (case volume) = Estimated Purge Volume: 7 (gal.)

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

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

Starting Time: 9:42 Weather Conditions: Foggy

Sampling Time: 10:05 A.M. Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (mS) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:50	2.5	7.66	8.19	73.1			
9:51	5	7.37	8.07	73.6			
9:53	7	7.45	8.12	73.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-5	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 40.00 ft.

Depth to Water 28.35 ft.

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

11.65 X VF 0.17 = 1.98 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

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

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

Starting Time: 12:15 Weather Conditions: Foggy

Sampling Time: 12:35pm Water Color: clear Odor: ~~strong~~ mild

Purging Flow Rate: 1 gpm Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (x10³) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:22	2	7.10	3.97	74.0			
12:23	4	7.14	4.15	74.1			
12:29	6	7.17	4.21	74.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
~~Blaine~~ U-6	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5430 Job#: 180107

Address: 1935 Washington Ave. Date: 9-11-00

City: San Leandro Sampler: Joe

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

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

Total Depth 37.78 ft.

Depth to Water 27.19 ft.

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

10.59 X VF 0.17 = 1.80 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

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

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

Starting Time: 9:10 Weather Conditions: Foggy

Sampling Time: 9:30 A.M Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

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)
9:18	1	7.66	12.18	74.4			
9:20	2.5	7.70	12.12	74.1			
9:21	5.5	7.59	12.15	73.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-7	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	2 VOA	"	"	"	8010

COMMENTS:

TOSCO

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

Facility Number: UNOCAL SS#5430
Facility Address: 1935 WASHINGTON AVE. SAN LEANDRO, CA.
Consultant Project Number: 180107.85
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) 277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): JOE A. SEMIAN
Collection Date: 9-11-00
Signature:

DO NOT BILL TB-LB ANALYSIS

L00907H

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	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)	Remarks
TB-LB	01	1 VOA	W	G	–	HCL	Y	✓								
U-1	02	5 VOA	/	/	11:30	/	/	✓			✓					
U-2	03	3 VOA	/	/	11:05	/	/	✓								
U-3	04	5 VOA	/	/	11:56	/	/	✓			✓					
U-4	05	3 VOA	/	/	10:55	/	/	✓								
U-5	06	3 VOA	/	/	10:05	/	/	✓								
U-6	07	3 VOA	/	/	12:35	/	/	✓								
U-7	08	5 VOA	/	/	9:30	/	/	✓			✓					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	9-11-00 2:30 P.M.	Melissa D. Guillen	SAL	9/11/00 1430
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

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San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612
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September 26, 2000

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

RE: Tosco(4)/L009071

Dear Deanna Harding

Enclosed are the results of analyses for sample(s) received by the laboratory on September 11, 2000. 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 Number I2360

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

ANALYTICAL REPORT FOR L009071

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L009071-01	Water	9/11/00
U-1	L009071-02	Water	9/11/00
U-2	L009071-03	Water	9/11/00
U-3	L009071-04	Water	9/11/00
U-4	L009071-05	Water	9/11/00
U-5	L009071-06	Water	9/11/00
U-6	L009071-07	Water	9/11/00
U-7	L009071-08	Water	9/11/00

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San Leandro	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TB-LB			**L009071-01**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090101	9/21/00	9/22/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*88.3*	%	
U-1			**L009071-02**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090101	9/21/00	9/21/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	**0.592**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*90.4*	%	
U-2			**L009071-03**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090101	9/21/00	9/22/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	**0.635**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*87.0*	%	
U-3			**L009071-04**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090101	9/21/00	9/22/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*86.9*	%	
U-4			**L009071-05**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090104	9/22/00	9/22/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	**0.686**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U-4 (continued)			**L009071-05**				**Water**	
Methyl tert-butyl ether	0090104	9/22/00	9/22/00		5.00	ND	ug/l	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*88.5*	%	
U-5			**L009071-06**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090104	9/22/00	9/22/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	**0.640**	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*87.5*	%	
U-6			**L009071-07**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090105	9/22/00	9/22/00		50.0	**538**	ug/l	1
Benzene	"	"	"		0.500	**22.8**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	**13.8**	"	
Xylenes (total)	"	"	"		0.500	**3.11**	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*128*	%	
U-7			**L009071-08**				**Water**	
Purgeable Hydrocarbons as Gasoline	0090104	9/22/00	9/22/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*78.5*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U-1			L009071-02				Water	
Freon 113	0090069	9/14/00	9/14/00		2.50	ND	ug/l	
Bromodichloromethane	"	"	"		1.25	**3.58**	"	
Bromoform	"	"	"		1.25	ND	"	
Bromomethane	"	"	"		2.50	ND	"	
Carbon tetrachloride	"	"	"		1.25	ND	"	
Chlorobenzene	"	"	"		1.25	ND	"	
Chloroethane	"	"	"		2.50	ND	"	
2-Chloroethylvinyl ether	"	"	"		12.5	ND	"	
Chloroform	"	"	"		1.25	**75.2**	"	
Chloromethane	"	"	"		2.50	ND	"	
Dibromochloromethane	"	"	"		1.25	ND	"	
1,3-Dichlorobenzene	"	"	"		1.25	ND	"	
1,4-Dichlorobenzene	"	"	"		1.25	ND	"	
1,2-Dichlorobenzene	"	"	"		1.25	ND	"	
1,1-Dichloroethane	"	"	"		1.25	ND	"	
1,2-Dichloroethane	"	"	"		1.25	ND	"	
1,1-Dichloroethene	"	"	"		1.25	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.25	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.25	ND	"	
1,2-Dichloropropane	"	"	"		1.25	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.25	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.25	ND	"	
Methylene chloride	"	"	"		12.5	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.25	ND	"	
Tetrachloroethene	"	"	"		1.25	ND	"	
1,1,1-Trichloroethane	"	"	"		1.25	ND	"	
1,1,2-Trichloroethane	"	"	"		1.25	ND	"	
Trichloroethene	"	"	"		1.25	ND	"	
Trichlorofluoromethane	"	"	"		1.25	ND	"	
Vinyl chloride	"	"	"		1.25	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	*70.0-130*		*82.0*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U-3			L009071-04				Water	
Freon 113	0090069	9/14/00	9/14/00		1.00	ND	ug/l	
Bromodichloromethane	"	"	"		0.500	ND	"	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		1.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		1.00	ND	"	
2-Chloroethylvinyl ether	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		1.00	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	**1.17**	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.500	ND	"	
Methylene chloride	"	"	"		5.00	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	*70.0-130*		*78.2*	%	

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
U-7			**L009071-08**				**Water**	
Freon 113	0090069	9/14/00	9/14/00		1.00	ND	ug/l	
Bromodichloromethane	"	"	"		0.500	ND	"	
Bromoform	"	"	"		0.500	ND	"	
Bromomethane	"	"	"		1.00	ND	"	
Carbon tetrachloride	"	"	"		0.500	ND	"	
Chlorobenzene	"	"	"		0.500	ND	"	
Chloroethane	"	"	"		1.00	ND	"	
2-Chloroethylvinyl ether	"	"	"		5.00	ND	"	
Chloroform	"	"	"		0.500	ND	"	
Chloromethane	"	"	"		1.00	ND	"	
Dibromochloromethane	"	"	"		0.500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.500	ND	"	
1,1-Dichloroethane	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
1,1-Dichloroethene	"	"	"		0.500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.500	ND	"	
1,2-Dichloropropane	"	"	"		0.500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.500	ND	"	
trans-1,3-Dichloropropene	"	"	"		5.00	ND	"	
Methylene chloride	"	"	"		0.500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.500	ND	"	
Tetrachloroethene	"	"	"		0.500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.500	ND	"	
Trichloroethene	"	"	"		0.500	ND	"	
Trichlorofluoromethane	"	"	"		0.500	ND	"	
Vinyl chloride	"	"	"		0.500	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	*70.0-130*		*81.6*	*%*	

**Refer to end of report for text of notes and definitions.*

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0090101	**Date Prepared: 9/21/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0090101-BLK1**									
Purgeable Hydrocarbons as Gasoline	9/21/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.90*	"	*70.0-130*	*89.0*			
LCS	**0090101-BS1**									
Benzene	9/21/00	10.0		10.4	ug/l	70.0-130	104			
Toluene	"	10.0		9.60	"	70.0-130	96.0			
Ethylbenzene	"	10.0		9.66	"	70.0-130	96.6			
Xylenes (total)	"	30.0		29.4	"	70.0-130	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
LCS	**0090101-BS2**									
Purgeable Hydrocarbons as Gasoline	9/21/00	250		215	ug/l	70.0-130	86.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.4*	"	*70.0-130*	*104*			
Matrix Spike	**0090101-MS1**		**L009070-02**							
Benzene	9/21/00	10.0	ND	11.2	ug/l	60.0-140	**112**			
Toluene	"	10.0	ND	10.4	"	60.0-140	**104**			
Ethylbenzene	"	10.0	ND	10.2	"	60.0-140	**102**			
Xylenes (total)	"	30.0	ND	31.0	"	60.0-140	**103**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.35*	"	*70.0-130*	*93.5*			
Matrix Spike Dup	**0090101-MSD1**		**L009070-02**							
Benzene	9/21/00	10.0	ND	10.8	ug/l	60.0-140	**108**	25.0	**3.64**	
Toluene	"	10.0	ND	10.5	"	60.0-140	**105**	25.0	**0.957**	
Ethylbenzene	"	10.0	ND	10.3	"	60.0-140	**103**	25.0	**0.976**	
Xylenes (total)	"	30.0	ND	31.5	"	60.0-140	**105**	25.0	**1.92**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.51*	"	*70.0-130*	*95.1*			
Batch: 0090104	**Date Prepared: 9/22/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0090104-BLK1**									
Purgeable Hydrocarbons as Gasoline	9/22/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0090104-BLK1**									
Methyl tert-butyl ether	9/22/00			ND	ug/l	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.0*	"	*70.0-130*	*100*			
LCS	**0090104-BS1**									
Benzene	9/22/00	10.0		10.5	ug/l	70.0-130	105			
Toluene	"	10.0		9.68	"	70.0-130	96.8			
Ethylbenzene	"	10.0		9.71	"	70.0-130	97.1			
Xylenes (total)	"	30.0		29.5	"	70.0-130	98.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.81*	"	*70.0-130*	*98.1*			
LCS	**0090104-BS2**									
Purgeable Hydrocarbons as Gasoline	9/22/00	250		234	ug/l	70.0-130	93.6			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.88*	"	*70.0-130*	*98.8*			
Matrix Spike	**0090104-MS1**		**L009071-08**							
Purgeable Hydrocarbons as Gasoline	9/23/00	250	ND	241	ug/l	60.0-140	**96.4**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.56*	"	*70.0-130*	*95.6*			
Matrix Spike Dup	**0090104-MSD1**		**L009071-08**							
Purgeable Hydrocarbons as Gasoline	9/23/00	250	ND	230	ug/l	60.0-140	**92.0**	25.0	**4.67**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.5*	"	*70.0-130*	*105*			
Batch: 0090105	**Date Prepared: 9/22/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0090105-BLK1**									
Purgeable Hydrocarbons as Gasoline	9/22/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
LCS	**0090105-BS1**									
Benzene	9/22/00	10.0		10.4	ug/l	70.0-130	104			
Toluene	"	10.0		9.78	"	70.0-130	97.8			
Ethylbenzene	"	10.0		9.32	"	70.0-130	93.2			
Xylenes (total)	"	30.0		28.4	"	70.0-130	94.7			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.0*	"	*70.0-130*	*100*			
LCS	**0090105-BS2**									
Purgeable Hydrocarbons as Gasoline	9/22/00	250		217	ug/l	70.0-130	86.8			

Sequoia Analytical

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control Data
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0090105-BS2**									
Surrogate: a,a,a-Trifluorotoluene	*9/22/00*	*10.0*		*9.81*	*ug/l*	*70.0-130*	*98.1*			
Matrix Spike	**0090105-MS1**		**L009153-02**							
Purgeable Hydrocarbons as Gasoline	9/22/00	250	ND	220	ug/l	60.0-140	**88.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.7*	"	*70.0-130*	*117*			
Matrix Spike Dup	**0090105-MSD1**		**L009153-02**							
Purgeable Hydrocarbons as Gasoline	9/22/00	250	ND	229	ug/l	60.0-140	**91.6**	25.0	**4.01**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.9*	"	*70.0-130*	*109*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0090069	**Date Prepared: 9/13/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0090069-BLK1**									
Freon 113	9/13/00			ND	ug/l	1.00				
Bromodichloromethane	"			ND	"	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				
2-Chloroethylvinyl ether	"			ND	"	5.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 1-Chloro-2-fluorobenzene	"	*10.0*		*8.84*	"	*70.0-130*	*88.4*			
Blank	**0090069-BLK2**									
Freon 113	9/14/00			ND	ug/l	1.00				
Bromodichloromethane	"			ND	"	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Volatile Organic Compounds by EPA Method 8010B/Quality Control - Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0090069-BLK2**									
2-Chloroethylvinyl ether	9/14/00			ND	ug/l	5.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
Surrogate: 1-Chloro-2-fluorobenzene	"	*10.0*		*8.24*	"	*70.0-130*	*82.4*			
LCS	**0090069-BS1**									
Chlorobenzene	9/13/00	10.0		9.27	ug/l	70.0-130	92.7			
1,1-Dichloroethene	"	10.0		9.42	"	65.0-135	94.2			
Trichloroethene	"	10.0		9.45	"	70.0-130	94.5			
Surrogate: 1-Chloro-2-fluorobenzene	"	*10.0*		*8.06*	"	*70.0-130*	*80.6*			
LCS	**0090069-BS2**									
Chlorobenzene	9/14/00	10.0		8.73	ug/l	70.0-130	87.3			
1,1-Dichloroethene	"	10.0		8.98	"	65.0-135	89.8			
Trichloroethene	"	10.0		9.08	"	70.0-130	90.8			
Surrogate: 1-Chloro-2-fluorobenzene	"	*10.0*		*8.59*	"	*70.0-130*	*85.9*			
Matrix Spike	**0090069-MS1**		**L009066-11**							
Chlorobenzene	9/13/00	10.0	ND	10.2	ug/l	60.0-140	102			
1,1-Dichloroethene	"	10.0	ND	8.46	"	60.0-140	84.6			
Trichloroethene	"	10.0	ND	9.10	"	60.0-140	91.0			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike (continued)	**0090069-MS1**		**L009066-11**							
Surrogate: 1-Chloro-2-fluorobenzene	*9/13/00*	*10.0*		*9.00*	*ug/l*	*70.0-130*	*90.0*			
Matrix Spike Dup	**0090069-MSD1**		**L009066-11**							
Chlorobenzene	9/13/00	10.0	ND	9.59	ug/l	60.0-140	**95.9**	25.0	**6.16**	
1,1-Dichloroethene	"	10.0	ND	8.78	"	60.0-140	**87.8**	25.0	**3.71**	
Trichloroethene	"	10.0	ND	9.07	"	60.0-140	**90.7**	25.0	**0.330**	
Surrogate: 1-Chloro-2-fluorobenzene	"	*10.0*		*8.39*	"	*70.0-130*	*83.9*			

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Gettler-Ryan/Geostrategies(1)	Project:	Tosco(4)	Sampled: 9/11/00
6747 Sierra Court, Suite J	Project Number:	Unocal SS# 5430/ 1935 Washington Ave., San L	Received: 9/11/00
Dublin, CA 94568	Project Manager:	Deanna Harding	Reported: 9/26/00

Notes and Definitions

#	Note
1	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
Recov.	Recovery
RPD	Relative Percent Difference

TOSCO (UNOCAL) SS#5430
San Leandro, CA

MONITORING & SAMPLING EVENT
October 13, 2000

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility: Tosco (Unocal) SS # 5430 Job#: 180107
Address: 1935 Washington Ave Date: 10-13-00
City: San Leandro Sampler: Steve Balian

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

Well Diameter: 2" in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth: 40.00 ft.

Depth to Water: 29.67 ft.

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

10.33 x VF 0.17 = 1.76 X 3 (case volume) = Estimated Purge Volume: 5.27 (gal.)

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

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

Starting Time: 12:26 Weather Conditions: Sunny
Sampling Time: 12:50 Water Color: Not clear Odor: —
Purging Flow Rate: ______ gpm. Sediment Description: ______
Did well de-water? No If yes; Time: ______ Volume: ______ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F C°	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:29	2	7.02	590	21.8			
12:33	4	6.79	582	21.1			
12:38	5.5	6.76	579	21.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-6	5 VOAs	Y	HCl	SEQUOIA	~~TPH(G)/BTEX/MTBE~~ 5 oxy's, 1,2 DCA, EDB

COMMENTS: ______

9/97-fieldat.frm

TOSCO

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

Facility Number: UNOCAL SS#5430
Facility Address: 1935 WASHINGTON AVE. SAN LEANDRO, CA.
Consultant Project Number: 180107.85
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) 277-2384
Laboratory Name: Sequoia Analytical WO10335
Laboratory Release Number:
Samples Collected by (Name): STEVE BALIAN
Collection Date: 10-13-00
Signature: STEVE BALIAN

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	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8020)	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 (TCAP or AA)	5 OXYs w/ 1,2 DCA/EDB				DO NOT BILL TB-LB ANALYSIS: 5 DAY TAT — Remarks
TB-LB	01A	1	W	G		HCl	Y	X												
U-6	02A-E	5	"	"	12:50	"	Y									X				

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
STEVE BALIAN	G-R Inc.	10-13-00 17:55			
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
			Ronald C. Berman WC		10/13/00 17:55

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

Sequoia
Analytical

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20 October, 2000

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Unocal
Sequoia Report: W010335

Enclosed are the results of analyses for samples received by the laboratory on 13-Oct-00 17:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5430	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	20-Oct-00 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W010335-01	Water	13-Oct-00 00:00	13-Oct-00 17:55
U-6	W010335-02	Water	13-Oct-00 12:50	13-Oct-00 17:55

Sequoia Analytical - Walnut Creek

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.

Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5430	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	20-Oct-00 15:33

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W010335-01) Water Sampled: 13-Oct-00 00:00 Received: 13-Oct-00 17:55									
Purgeable Hydrocarbons	ND	50	ug/l	1	0J18003	18-Oct-00	18-Oct-00	EPA 8015M/8020	
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		*97.7 %*		*70-130*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5430	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	20-Oct-00 15:33

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-6 (W010335-02) Water	**Sampled: 13-Oct-00 12:50**	**Received: 13-Oct-00 17:55**							
tert-Butyl alcohol	ND	50	ug/l	1	0J19027	19-Oct-00	19-Oct-00	EPA 8260B	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5430	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	20-Oct-00 15:33

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0J18003 - EPA 5030B [P/T]										
Blank (0J18003-BLK1)				Prepared & Analyzed: 18-Oct-00						
Purgeable Hydrocarbons	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	*30.2*		"	*30.0*		*101*	*70-130*			
LCS (0J18003-BS1)				Prepared & Analyzed: 18-Oct-00						
Benzene	18.3	0.50	ug/l	20.0		91.5	70-130			
Toluene	18.7	0.50	"	20.0		93.5	70-130			
Ethylbenzene	19.0	0.50	"	20.0		95.0	70-130			
Xylenes (total)	54.8	0.50	"	60.0		91.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.3*		"	*30.0*		*91.0*	*70-130*			
Matrix Spike (0J18003-MS1)		Source: W010128-02		Prepared & Analyzed: 18-Oct-00						
Benzene	18.7	0.50	ug/l	20.0	ND	93.5	70-130			
Toluene	19.0	0.50	"	20.0	ND	95.0	70-130			
Ethylbenzene	19.4	0.50	"	20.0	ND	97.0	70-130			
Xylenes (total)	56.1	0.50	"	60.0	ND	93.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.3*		"	*30.0*		*91.0*	*70-130*			
Matrix Spike Dup (0J18003-MSD1)		Source: W010128-02		Prepared & Analyzed: 18-Oct-00						
Benzene	19.4	0.50	ug/l	20.0	ND	97.0	70-130	3.67	20	
Toluene	19.9	0.50	"	20.0	ND	99.5	70-130	4.63	20	
Ethylbenzene	19.8	0.50	"	20.0	ND	99.0	70-130	2.04	20	
Xylenes (total)	56.0	0.50	"	60.0	ND	93.3	70-130	0.178	20	
Surrogate: a,a,a-Trifluorotoluene	*28.0*		"	*30.0*		*93.3*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5430	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	20-Oct-00 15:33

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0J19027 - EPA 5030B [P/T]										
Blank (0J19027-BLK1)				Prepared & Analyzed: 19-Oct-00						
Ethanol	ND	500	ug/l							
tert-Butyl alcohol	ND	50	"							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*51.0*		"	*50.0*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		"	*50.0*		*100*	*50-150*			
LCS (0J19027-BS1)				Prepared & Analyzed: 19-Oct-00						
Methyl tert-butyl ether	43.9	2.0	ug/l	50.0		87.8	70-130			
Surrogate: Dibromofluoromethane	*49.0*		"	*50.0*		*98.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			
Matrix Spike (0J19027-MS1)		**Source: W010225-02**		Prepared & Analyzed: 19-Oct-00						
Methyl tert-butyl ether	45.9	2.0	ug/l	50.0	ND	91.8	60-150			
Surrogate: Dibromofluoromethane	*49.0*		"	*50.0*		*98.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			
Matrix Spike Dup (0J19027-MSD1)		**Source: W010225-02**		Prepared & Analyzed: 19-Oct-00						
Methyl tert-butyl ether	51.4	2.0	ug/l	50.0	ND	103	60-150	11.3	25	
Surrogate: Dibromofluoromethane	*49.0*		"	*50.0*		*98.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5430	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	20-Oct-00 15:33

Notes and Definitions

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