GETTLER-RYAN INC.

TRANSMITTAL

May 10, 1999
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
PEG Inc.
2025 Gateway Place, Suite 440
San Jose, California 95110

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

RE: Tosco (Unocal) SS #5367
500 Bancroft Avenue
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 5, 1999	Groundwater Monitoring and Sampling Report Semi-Annual 1999 - Event of March 11, 1999

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 ***May 21, 1999***, this report will be distributed to the following:

Enclosure

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

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ENVIRONMENTAL PROTECTION

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GETTLER-RYAN INC.

May 5, 1999
G-R Job #180108

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

RE: Semi-Annual 1999 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5367
500 Bancroft 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 March 11, 1999, field personnel monitored and sampled ten wells (MW-1 through MW-10) 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. Dissolved Oxygen Concentrations are summarized in Table 2. 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 a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

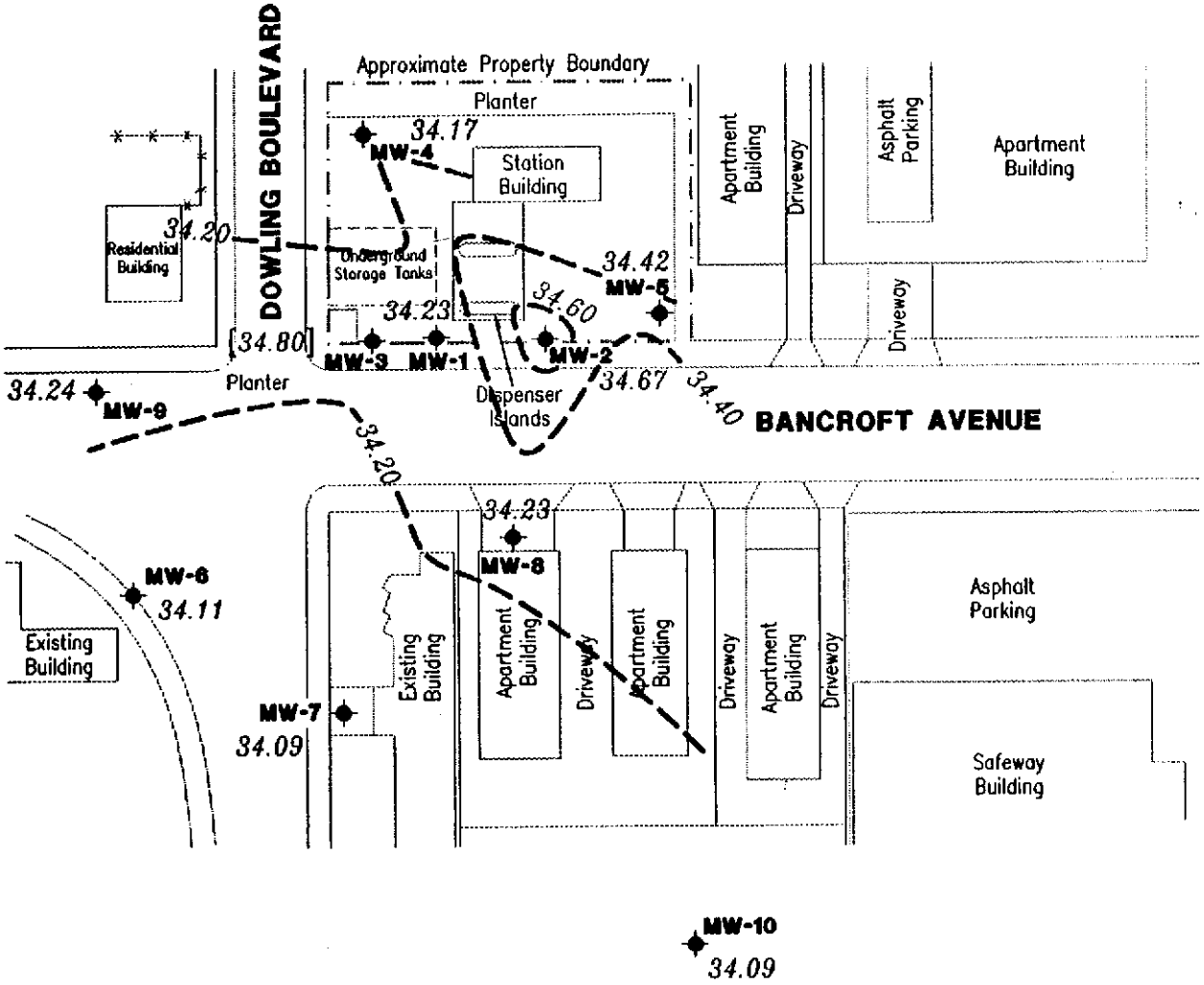
Deanna L. Harding
Project Coordinator

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: 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 0.01 Ft./Ft.

N

0 80

Scale in Feet

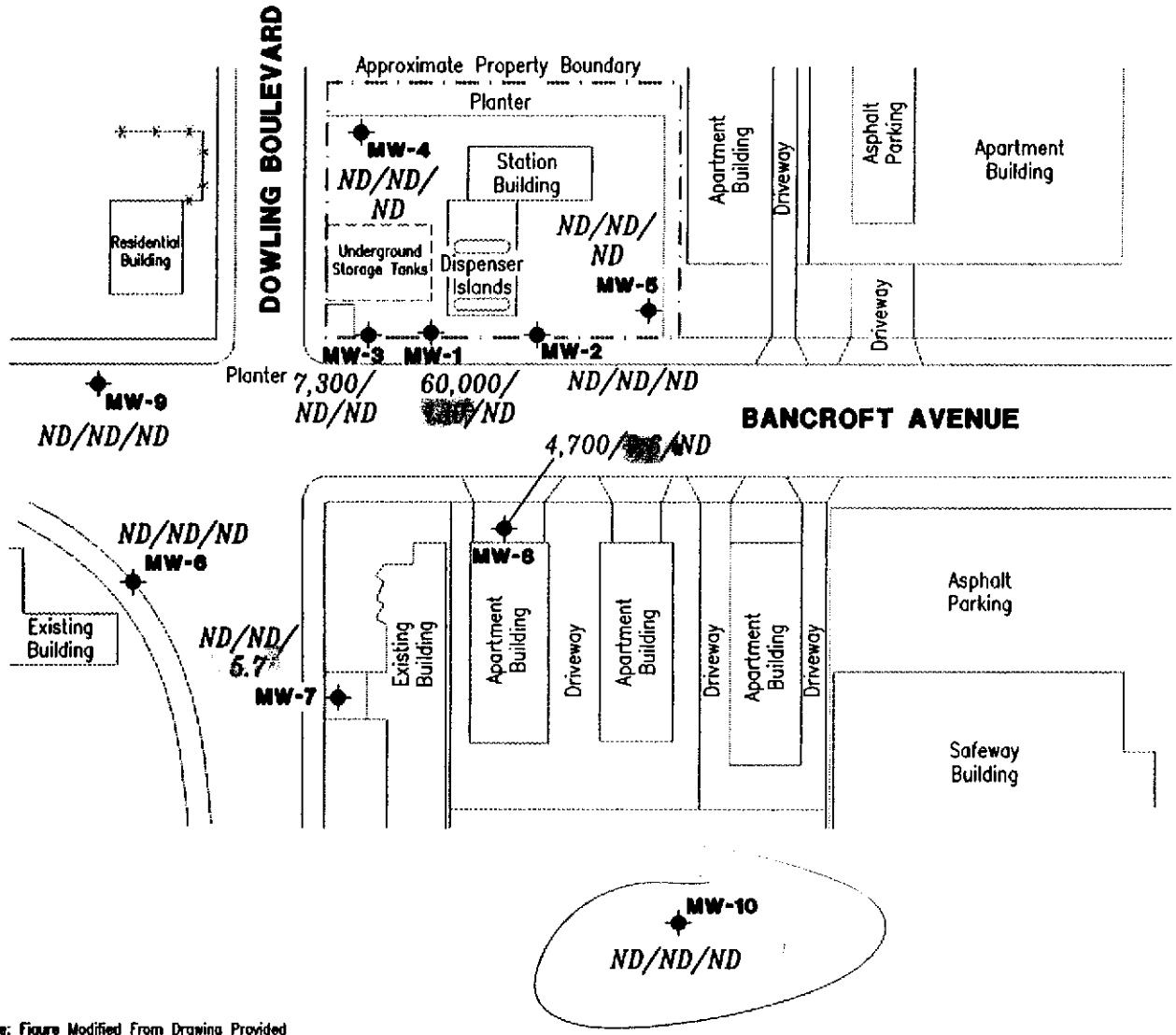
Source: Figure Modified From Drawing Provided By MPDS Services, Inc.

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

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station No. 5367
500 Bancroft Avenue
San Leandro, California

FIGURE 1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180108		March 11, 1999	



EXPLANATION

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

N

0 80

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 No. 5367
500 Bancroft Avenue
San Leandro, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180108		March 11, 1999	

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.)	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	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	--
	06/26/95	25.69	32.14	0.00	130,000	1,000	23,000	5,600	33,000	--
	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	--	--	--	--	--	--

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.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	12/29/95	30.40	27.43	0.00	110,000	990	22,000	8,300	47,000	--
(cont)	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]**
MW-2										
58.13	10/03/88	36.04	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	--
	05/90	--	--	--	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	--
	03/31/92	37.66	20.47	0.00	--	--	--	--	--	
	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	--

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.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	12/19/94	31.26	26.87	0.00	190	1.9	ND	15	6.8	--
(cont)	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**
MW-3										
57.92	10/03/88	35.86	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	--
	05/90	--	--	--	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	--

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.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	09/27/91	37.23	21.27	0.00	ND	ND	ND	ND	ND	--
(cont)	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
	09/27/97	31.65	26.85	0.00	ND	ND	ND	ND	ND	ND
	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**
MW-6										
56.96	02/16/90	34.50	22.46	0.00	ND	ND	ND	ND	ND	--
	05/90	--	--	--	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	--

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.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/06/91	36.27	20.69	0.00	ND	ND	ND	ND	ND	--
(cont)	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	--	--	--	--	--	--
	09/21/94	32.62	24.34	0.00	ND	ND	ND	ND	ND	--
	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**
MW-7										
57.25	02/16/90	35.75	21.50	0.00	ND	ND	ND	ND	ND	--
	05/90	--	--	--	24	ND	ND	0.74	1.7	--
	07/19/90	35.03	22.22	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.)	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	22.61	0.00	1,900	11	ND	52	55	--
	05/90	--	--	--	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
	09/27/97	31.15	26.56	0.00	78	0.90	ND	12	ND	ND
	03/20/98	16.84	40.87	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.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	09/09/98	26.14	31.57	0.00	910	ND	49	12	2.2	1.5
(cont)	**03/11/99**	**23.48**	**34.23**	**0.00**	**4,700**	**9.6**	**ND[5]**	**280**	**95**	**ND[5]**
MW-9										
56.47	12/19/94	29.71	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**
MW-10										
58.94	07/28/95	25.53	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**

Table 2

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 2

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 2

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.

Note: Field measurements were taken using a LaMotte DO4000 dissolved oxygen meter.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 5367 — Job#: 180108

Address: 500 Bancroft Ave. — Date: 3/11/99

City: San Leandro — Sampler: Vartkes

Well ID: MW-1 — Well Condition: OK

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

Total Depth: 35.14 ft.

Depth to Water: 23.60 ft.

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

11.54 X VF 0.17 = 1.96 X 3 (case volume) = Estimated Purge Volume: 5.89 (gal.)

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

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

Starting Time: 3:35 — Weather Conditions: clear

Sampling Time: 3:50 — Water Color: clear — Odor: Y

Purging Flow Rate: 1 gpm. — Sediment Description: _____

Did well de-water? no — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:37	2	7.26	3.64	72.6			
3:40	4	7.09	3.52	71.5			
3:41	6	7.03	3.49	71.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 5367 — Job#: 180108

Address: 500 Bancroft Ave. — Date: 3/11/99

City: San Leandro — Sampler: Vartkes

Well ID: MW-2 — Well Condition: OK

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

Total Depth: 46.91 ft.

Depth to Water: 23.46 ft.

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

23.45 X VF ~~0.66~~ 0.66 = ~~15.48~~ 15.48 X 3 (case volume) = Estimated Purge Volume: 46.43 (gal.)

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

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

Starting Time: 10:47 — Weather Conditions: clear

Sampling Time: 11:15 — Water Color: clear — Odor: no

Purging Flow Rate: 2 gpm. — Sediment Description: _____

Did well de-water? no — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:54	15.5	7.61	3.12	69.2			
11:02	31	7.47	3.24	68.8			
11:09	46.5	7.42	3.28	68.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 5367 Job#: 180108
Address: 500 Bancroft Ave. Date: 3/11/99
City: San Leandro Sampler: Vartkes

Well ID MW-3 Well Condition: OK
Well Diameter 4 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 48.20 ft.
Depth to Water 23.12 ft.

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

25.08 X VF 0.66 = 16.55 X 3 (case volume) = Estimated Purge Volume: 49.66 (gal.)

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

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

Starting Time: 11:30 Weather Conditions: clear
Sampling Time: 12:05 Water Color: clear Odor: (Sewer)
Purging Flow Rate: 2 gpm. Sediment Description: _____
Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:38	16.5	7.51	3.72	69.0			
11:46	33	7.35	3.59	68.6			
11:55	50	7.28	3.57	68.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 5367 — Job#: 180108

Address: 500 Bancroft Ave. — Date: 3/11/99

City: San Leandro — Sampler: Vartkes

Well ID: MW-4 — Well Condition: OK

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

Total Depth: 48.52 ft.

Depth to Water: 24.12 ft.

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

24.40 X VF 0.66 = 16.10 X 3 (case volume) = Estimated Purge Volume: 48.31 (gal.)

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

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

Starting Time: 12:20 — Weather Conditions: clear

Sampling Time: 1:00 — Water Color: clear — Odor: no

Purging Flow Rate: 2 gpm. — Sediment Description: _____

Did well de-water? no — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cmX/00	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:28	16	7.57	293	69.8			
12:36	32	7.39	301	69.1			
12:44	48.5	7.36	306	69.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 5367 Job#: 180108
Address: 500 Bancroft Ave. Date: 3/11/99
City: San Leandro Sampler: Vartkes

Well ID MW-5 Well Condition: OK

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

Total Depth 44.38 ft.

Depth to Water 24.08 ft.

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

20.30 X VF 0.17 = 3.45 X 3 (case volume) = Estimated Purge Volume: 10.35 (gal.)

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

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

Starting Time: 10:15 Weather Conditions: clear
Sampling Time: 10:33 Water Color: clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: _____
Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:18	3.5	7.71	3.44	68.9			
10:22	7	7.56	3.35	68.5			
10:25	10.5	7.50	3.31	68.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 5367 — Job#: 180108

Address: 500 Bancroft Ave. — Date: 3/11/99

City: San Leandro — Sampler: Vartkes

Well ID: MW-6 — Well Condition: OK

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

Total Depth: 44.62 ft.

Depth to Water: 22.85 ft.

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

21.77 X VF 0.17 = 3.70 X 3 (case volume) = Estimated Purge Volume: 11.10 (gal.)

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

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

Starting Time: 1:52 — Weather Conditions: clear

Sampling Time: 2:10 — Water Color: clear — Odor: no

Purging Flow Rate: 1 gpm. — Sediment Description: _____

Did well de-water? no — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:56	4	7.57	2.93	71.4			
2:00	8	7.41	3.01	70.6			
2:03	11.5	7.35	3.08	70.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 5367 Job#: 180108
Address: 500 Bancroft Ave. Date: 3/11/99
City: San Leandro Sampler: Vartkes

Well ID MW-7 Well Condition: OK

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

Total Depth 43.96 ft.

Depth to Water 23.16 ft.

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

20.80 X VF 0.17 = 3.54 X 3 (case volume) = Estimated Purge Volume: 10.61 (gal.)

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

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

Starting Time: 2:28 Weather Conditions: clear
Sampling Time: 2:50 Water Color: clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: _____
Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:31	3.5	7.71	2.32	72.1			
2:35	7	7.53	2.43	70.9			
2:39	11	7.49	2.51	70.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 5367 Job#: 180108
Address: 500 Bancroft Ave. Date: 3/11/99
City: San Leandro Sampler: Vartkes

Well ID MW-8 Well Condition: OK

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

Total Depth 43.88 ft.

Depth to Water 23.48 ft.

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

20.40 X VF 0.17 = 3.47 X 3 (case volume) = Estimated Purge Volume: 10.40 (gal.)

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

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

Starting Time: 3:05 Weather Conditions: clear
Sampling Time: 3:22 Water Color: clear Odor: y (mild)
Purging Flow Rate: 1 gpm. Sediment Description: _____
Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:08	3.5	7.46	3.72	72.4			
3:12	7	7.28	3.63	71.2			
3:15	10.5	7.22	3.58	70.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 5367 Job#: 180108
Address: 500 Bancroft Ave. Date: 3/11/99
City: San Leandro Sampler: Vartkes

Well ID MW-9 Well Condition: OK

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

Total Depth 44.63 ft.

Depth to Water 22.23 ft.

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

22.40 X VF 0.17 = 3.81 X 3 (case volume) = Estimated Purge Volume: 11.42 (gal.)

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

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

Starting Time: 1:17 Weather Conditions: clear
Sampling Time: 1:35 Water Color: clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: _____
Did well de-water? no If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:21	4	7.64	2.48	71.1			
1:25	8	7.50	2.59	70.7			
1:28	11.5	7.43	2.67	70.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 5367 — Job#: 180108

Address: 500 Bancroft Ave. — Date: 3/11/99

City: San Leandro — Sampler: Vartkes

Well ID: MW-10 — Well Condition: OK

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

Total Depth: 42.65 ft.

Depth to Water: 24.85 ft.

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

17.80 X VF 0.17 = 3.03 X 3 (case volume) = Estimated Purge Volume: 9.08 (gal.)

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

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

Starting Time: 9:45 — Weather Conditions: clear

Sampling Time: 10:01 — Water Color: clear — Odor: no

Purging Flow Rate: _____ gpm. — Sediment Description: _____

Did well de-water? no — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:48	3	7.68	3.71	66.8			
9:51	6	7.53	3.60	67.7			
9:54	9.5	7.47	3.56	67.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

Sequoia Analytical

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RECEIVED
APR 14 1999
GETTLER-RYAN INC.
GENERAL CONTRACTORS

Gettler-Ryan - Dublin	Client Project ID:	Unocal SS #6362, San Leandro	Sampled: Mar 11, 1999
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received: Mar 11, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Mar 30, 1999
Attention: Deanna Harding	First Sample #:	903-1254	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 903-1254 TB-LB	Sample I.D. 903-1255 MW-1	Sample I.D. 903-1256 MW-2	Sample I.D. 903-1257 MW-3	Sample I.D. 903-1258 MW-4	Sample I.D. 903-1259 MW-5
Purgeable Hydrocarbons	50	N.D.	60,000	N.D.	7,300	N.D.	N.D.
Benzene	0.50	N.D.	130	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	0.59	N.D.	0.70	0.96
Ethyl Benzene	0.50	N.D.	2,900	N.D.	320	N.D.	N.D.
Total Xylenes	0.50	N.D.	12,000	1.1	210	1.2	1.7
MTBE	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	Gasoline	--	Gasoline	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	200	1.0	1.0	1.0	1.0
Date Analyzed:	3/19/99	3/23/99	3/22/99	3/22/99	3/22/99	3/22/99
Instrument Identification:	HP-2	HP-2	HP-9	HP-9	HP-9	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	105	107	97	89	95	97

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#5367, San Leandro	Sampled:	Mar 11, 1999
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received:	Mar 11, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Mar 30, 1999
Attention: Deanna Harding	First Sample #:	903-1260		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 903-1260 MW-6	Sample I.D. 903-1261 MW-7	Sample I.D. 903-1262 MW-8	Sample I.D. 903-1263 MW-9	Sample I.D. 903-1264 MW-10
Purgeable Hydrocarbons	50	N.D.	N.D.	4,700	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	9.6	N.D.	N.D.
Toluene	0.50	0.71	0.91	N.D.	N.D.	0.61
Ethyl Benzene	0.50	N.D.	N.D.	280	N.D.	N.D.
Total Xylenes	0.50	1.4	1.6	95	0.76	0.87
MTBE	2.5	N.D.	5.7	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	Gasoline	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	10	1.0	1.0
Date Analyzed:	3/22/99	3/22/99	3/23/99	3/22/99	3/22/99
Instrument Identification:	HP-9	HP-9	HP-5	HP-9	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	96	95	83	95	96

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

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Julianne Fegley

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal SS#5367, San Leandro
Matrix: Liquid
QC Sample Group: 9031254-264

Reported: Mar 30, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	9031505	9031505	9031505	9031505
Date Prepared:	3/19/99	3/19/99	3/19/99	3/19/99
Date Analyzed:	3/19/99	3/19/99	3/19/99	3/19/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	100	100	105	112
Matrix Spike Duplicate % Recovery:	90	90	95	103
Relative % Difference:	11	11	10	7.8
LCS Batch#:	2LCS031999	2LCS031999	2LCS031999	2LCS031999
Date Prepared:	3/19/99	3/19/99	3/19/99	3/19/99
Date Analyzed:	3/19/99	3/19/99	3/19/99	3/19/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	85	85	95	98
% Recovery Control Limits:	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal SS#5367, San Leandro
Matrix: Liquid

QC Sample Group: 9031254-264

Reported: Mar 30, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	9031282	9031282	9031282	9031282
Date Prepared:	3/22/99	3/22/99	3/22/99	3/22/99
Date Analyzed:	3/22/99	3/22/99	3/22/99	3/22/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	105	115	115	115
Matrix Spike Duplicate % Recovery:	105	115	120	118
Relative % Difference:	0.0	0.0	4.3	2.9
LCS Batch#:	9LCS032299	9LCS032299	9LCS032299	9LCS032299
Date Prepared:	3/22/99	3/22/99	3/22/99	3/22/99
Date Analyzed:	3/22/99	3/22/99	3/22/99	3/22/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	100	110	110	108
% Recovery Control Limits:	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Unocal SS#5367, San Leandro
Matrix: Liquid

QC Sample Group: 9031254-264

Reported: Mar 30, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	9031342	9031342	9031342	9031342
Date Prepared:	3/23/99	3/23/99	3/23/99	3/23/99
Date Analyzed:	3/23/99	3/23/99	3/23/99	3/23/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	85	80	90	93
Matrix Spike Duplicate % Recovery:	95	90	90	102
Relative % Difference:	11	12	0.0	8.5
LCS Batch#:	2LCS032399	2LCS032399	2LCS032399	2LCS032399
Date Prepared:	3/23/99	3/23/99	3/23/99	3/23/99
Date Analyzed:	3/23/99	3/23/99	3/23/99	3/23/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	85	85	95	98
% Recovery Control Limits:	70-130	70-130	70-130	70-130

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Attention: Deanna Harding

Client Project ID: Unocal SS#5367, San Leandro
Matrix: Liquid
QC Sample Group: 9031254-264

Reported: Mar 30, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	9031278	9031278	9031278	9031278
Date Prepared:	3/23/99	3/23/99	3/23/99	3/23/99
Date Analyzed:	3/23/99	3/23/99	3/23/99	3/23/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	95	100	105	103
Matrix Spike Duplicate % Recovery:	95	100	105	103
Relative % Difference:	0.0	0.0	0.0	0.0
LCS Batch#:	9LCS032399	9LCS032399	9LCS032399	9LCS032399
Date Prepared:	3/23/99	3/23/99	3/23/99	3/23/99
Date Analyzed:	3/23/99	3/23/99	3/23/99	3/23/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	85	95	100	97
% Recovery Control Limits:	70-130	70-130	70-130	70-130

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