



# GETTLER-RYAN INC.

311-058.1

## TRANSMITTAL

May 9, 2000  
G-R #:180109

**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 #5760  
376 Lewelling Boulevard  
San Lorenzo, California

### WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 3, 2000	Groundwater Monitoring and Sampling Report Semi-Annual 2000 - Event of March 21, 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 *May 22, 2000*, this report will be distributed to the following:

Enclosure

cc: Ms. Amy Leech, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501

**ATTACHMENT A**

**GROUNDWATER MONITORING AND SAMPLING REPORT,  
GETTLER-RYAN, INC., MAY 9, 2000**



# GETTLER-RYAN INC.

May 3, 2000  
G-R Job #180109

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

RE: Semi-Annual 2000 Groundwater Monitoring & Sampling Report  
Tosco (Unocal) Service Station #5760  
376 Lewelling Boulevard  
San Lorenzo, 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 21, 2000, field personnel monitored and sampled seven wells (U-1 through U-5, U-8, and U-9) at the above referenced site. Two wells (U-6 and U-7) were paved over.

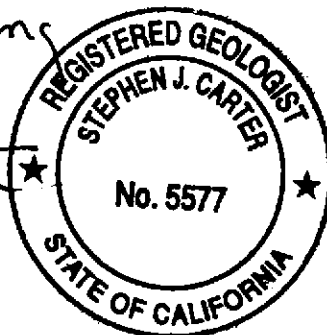
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are summarized in 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. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports is also attached.

Sincerely,

Deanna L. Harding  
Project Coordinator

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

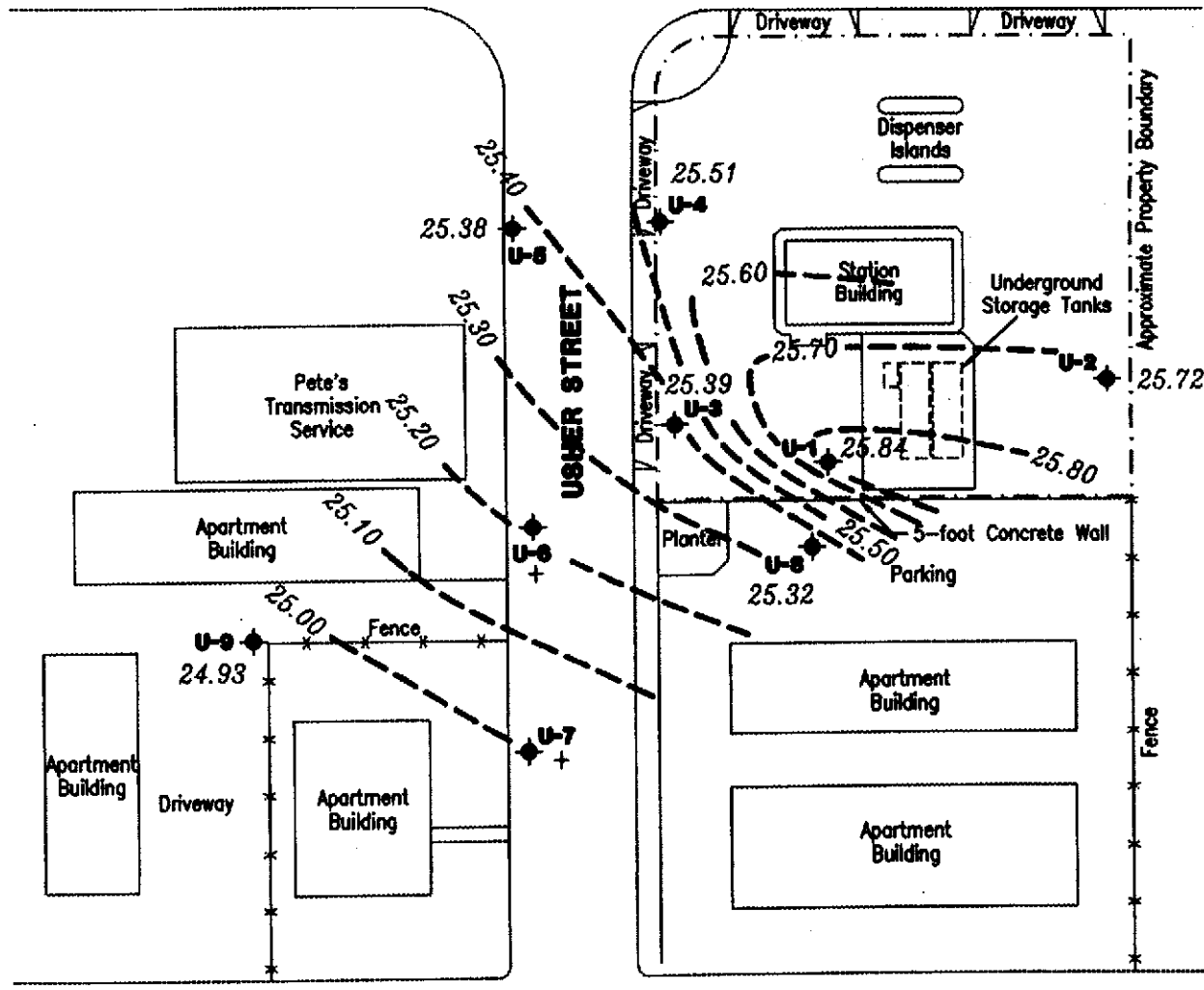


- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Dissolved Oxygen Concentrations
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical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

5760.qxd

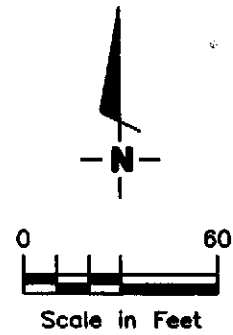
**LEWELLING BOULEVARD**

**EXPLANATION**



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

Approximate groundwater flow direction at a gradient of 0.003 Ft./Ft.



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

**Gettler - Ryan Inc.**  
 8747 Sierra Ct., Suite J (925) 551-7555  
 Dublin, CA 94568

**POTENTIOMETRIC MAP**  
 Tosco (Unocal) Service Station No. 5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

FIGURE

JOB NUMBER  
180109

REVIEWED BY

DATE  
March 21, 2000

REVISED DATE

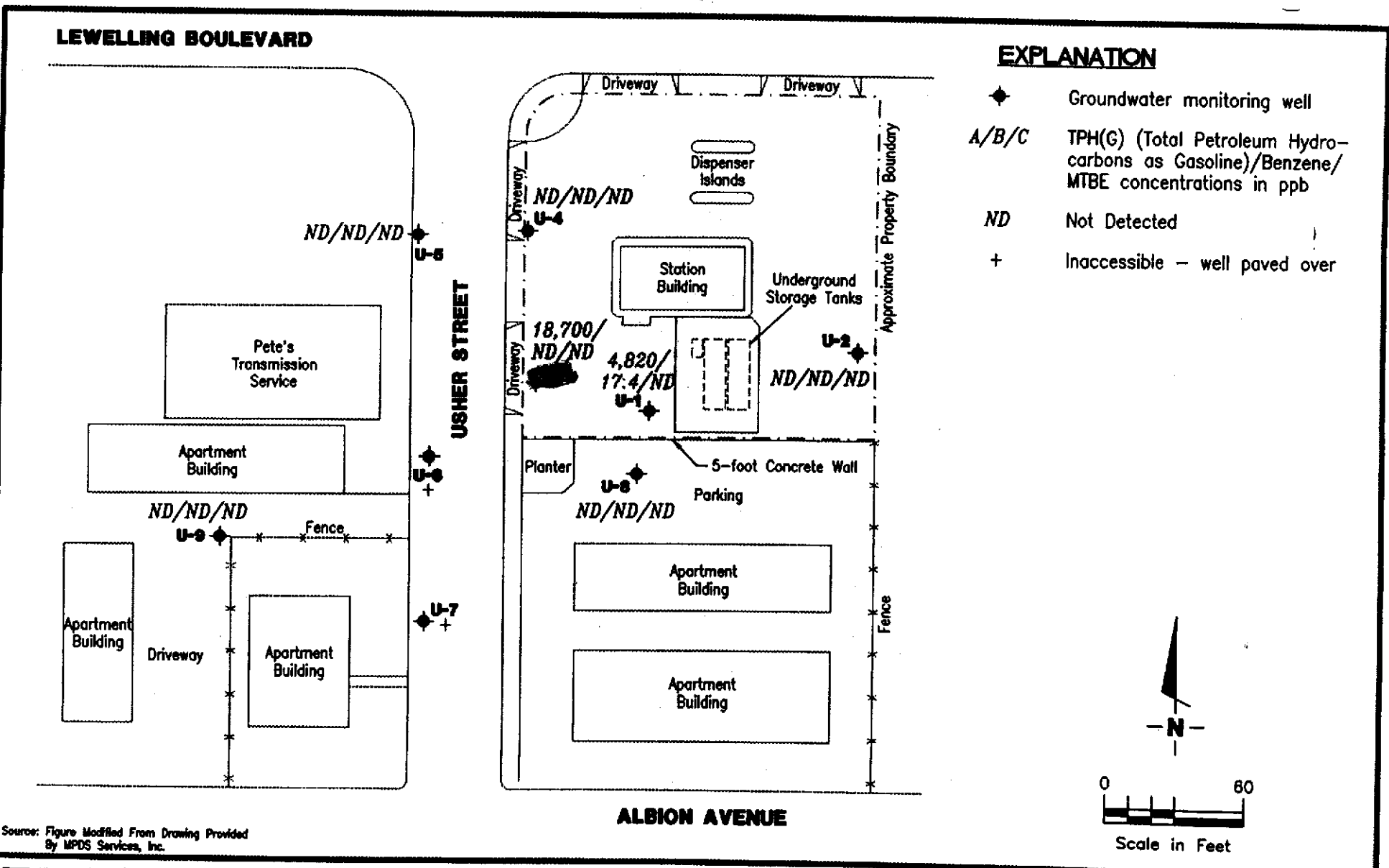
**LEWELLING BOULEVARD**

**EXPLANATION**

- ◆ Groundwater monitoring well
- A/B/C TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/MTBE concentrations in ppb
- ND Not Detected
- + Inaccessible – well paved over

**USHER STREET**

**ALBION AVENUE**



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

**Gettler - Ryan Inc.**  
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 Dublin, CA 94568

**CONCENTRATION MAP**  
 Tosco (Unocal) Service Station No. 5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

FIGURE

**2**

JOB NUMBER  
 180109

REVIEWED BY

DATE

REVISED DATE

**Tab' 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Tosco (Unocal) Service Station #5760**  
**376 Lewelling Boulevard**  
**San Lorenzo, 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)	
U-1	02/09/88	--	--	--	93,000	3,600	11,000	-- <sup>1</sup>	20,000	--	
	03/20/90	--	--	--	36,000	2,100	5,500	1,900	9,300	7	
	06/05/90	--	--	--	46,000	2,300	5,500	2,500	11,000	--	
	08/24/90	--	--	--	27,000	1,200	1,800	1,400	5,500	--	
	12/05/90	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	03/04/91	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	06/03/91	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	09/19/91	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	12/04/91	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	03/05/92	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	04/07/92	--	--	--	NOT SAMPLED - PRODUCT SKIMMER INSTALLED IN WELL					--	--
	08/06/92	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/20/92	--	--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/12/93	--	--	--	70,000	2,200	8,400	3,100	18,000	--	
40.51	06/04/93	16.72	23.79	0.00	35,000	1,300	5,700	900	9,200	--	
	09/09/93	17.77	22.74	0.00	67,000	2,900	18,000	6,200	32,000	--	
40.20	12/02/93	18.36	21.84	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	03/09/94	17.20	23.00	0.00	45,000	930	4,100	2,000	11,000	--	
	06/09/94	17.42	22.78	0.00	59,000	5,200	1,300	5,200	15,000	--	
	09/07/94	18.17	22.03	0.00	41,000	1,600	6,200	3,100	16,000	--	
	12/05/94	16.67	23.53	0.00	1,300	55	20	16	330	--	
	03/09/95	15.82	24.38	0.00	49,000	860	3,200	1,900	10,000	1,500	
	06/13/95	14.70	25.50	0.00	53,000	1,400	5,000	2,500	14,000	2,800	
40.01**	09/12/95	16.77	23.24	0.00	43,000	910	2,700	1,700	9,600	1,400	
40.20	12/14/95	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	
	03/20/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	
	03/22/96	--	--	--	13,000	200	590	640	4,000	790	
	09/24/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	
	03/27/97	15.29	24.91	0.00	1,300	8.0	ND	ND	400	ND	
	09/23/97	17.20	23.00	0.00	2,000	15	ND	ND	530	ND	
	03/10/98	12.68	27.52	0.00	2,200 <sup>6</sup>	19	4.8	ND <sup>7</sup>	980	38	
	09/04/98	16.84	23.36	0.00	5,300 <sup>8</sup>	53	ND <sup>7</sup>	410	620	ND <sup>7</sup>	
	03/04/99	13.04	27.16	0.00	1,500	19	ND <sup>7</sup>	56	110	310	
	09/13/99	17.14	23.06	0.00	5,850 <sup>8</sup>	32.7	ND <sup>7</sup>	520	925	ND <sup>7</sup>	
	03/21/00	14.36	25.84	0.00	4,820 <sup>8</sup>	17.4	7.74	297	1,370	ND <sup>7</sup>	

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

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-2	08/23/90	--	--	--	ND	ND	ND	ND	ND	--
	12/05/90	--	--	--	ND	ND	ND	ND	ND	↑
	03/04/91	--	--	--	ND	ND	0.9	ND	2.6	--
	06/03/91	--	--	--	ND	ND	ND	ND	ND	--
	09/19/91	--	--	--	ND	ND	ND	ND	ND	--
	12/04/91	--	--	--	ND	ND	ND	ND	ND	--
	03/05/92	--	--	--	ND	ND	0.36	ND	ND	--
	04/07/92	--	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--	--	--	ND	ND	ND	ND	ND	--
	11/20/92	--	--	--	ND	ND	ND	ND	ND	--
	02/12/93	--	--	--	ND	ND	ND	ND	ND	--
41.62	06/04/93	17.59	24.03	0.00	ND	ND	ND	ND	ND	--
	09/09/93	18.68	22.94	0.00	ND	ND	ND	ND	ND	--
41.26	12/02/93	19.23	22.03	0.00	ND	ND	ND	ND	ND	--
	03/09/94	18.05	23.21	0.00	62	1.1	5.4	1.1	9.7	--
	04/13/94	18.18	23.08	0.00	ND	ND	ND	ND	ND	--
	06/09/94	18.26	23.00	0.00	ND	ND	ND	ND	ND	--
	09/07/94	19.28	21.98	0.00	ND	ND	0.63	ND	0.61	--
	12/05/94	18.82	22.44	0.00	ND	ND	ND	ND	ND	--
	03/09/95	16.96	24.30	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	16.71	24.55	0.00	ND	ND	ND	ND	ND	ND
	09/12/95	17.80	23.46	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	18.18	23.08	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	15.02	26.24	0.00	--	--	--	--	--	--
	09/24/96	17.90	23.36	0.00	--	--	--	--	--	--
	03/27/97	16.45	24.81	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	18.40	22.86	0.00	--	--	--	--	--	--
	03/10/98	13.79	27.47	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	17.98	23.28	0.00	--	--	--	--	--	--
	03/04/99	14.96	26.30	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	18.25	23.01	0.00	--	--	--	--	--	--
	03/21/00	15.54	25.72	0.00	ND	ND	ND	ND	ND	ND

**Tab 1**  
**Groundwater Monitoring and Analytical Results**  
**Tosco (Unocal) Service Station #5760**  
**376 Lewelling Boulevard**  
**San Lorenzo, 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)	
U-3	08/23/90	--	--	--	110,000	4,400	13,000	2,800	17,000	--	
	12/05/90	--	--	--	69,000	1,900	3,500	1,600	9,800	--	
	01/18/91	--	--	--	51,000	1,700	3,100	1,500	7,500	--	
	03/04/91	--	--	--	84,000	1,400	10,000	2,900	17,000	--	
	06/03/91	--	--	--	130,000	5,800	19,000	4,600	24,000	--	
	09/19/91	--	--	--	61,000	3,300	9,700	2,800	15,000	--	
	12/04/91	--	--	--	75,000	2,500	6,100	1,900	11,000	--	
	03/05/92	--	--	--	160,000	5,300	15,000	5,400	26,000	--	
	04/07/92	--	--	--	97,000	6,100	16,000	5,400	28,000	--	
	08/06/92	--	--	--	140,000	5,100	13,000	5,000	23,000	--	
	11/20/92	--	--	--	50,000	3,200	4,700	1,900	10,000	--	
	02/12/93	--	--	--	80,000	3,700	9,400	3,700	18,000	--	
39.64	06/04/93	15.48	24.16	0.00	92,000	2,900	8,700	4,300	20,000	--	
	09/09/93	17.04	22.60	0.00	110,000	2,800	10,000	6,500	31,000	--	
39.26	12/02/93	17.55	21.71	0.00	110,000	3,200	7,700	5,600	26,000	--	
	03/09/94	16.35	22.91	0.00	120,000	4,500	8,300	5,600	28,000	--	
	06/09/94	16.60	22.66	0.00	120,000 <sup>4</sup>	3,300	6,100	5,200	26,000	--	
	09/07/94	17.61	21.65	0.00	100,000	2,400	4,900	4,200	21,000	--	
	12/05/94	17.08	22.18	0.00	140,000	3,100	5,100	4,900	21,000	--	
	03/09/95	15.20	24.06	0.00	100,000	2,300	3,300	4,800	21,000	54,000	
	06/13/95	15.11	24.15	0.00	64,000	1,700	1,500	3,800	18,000	900	
39.26**	09/12/95	16.11	23.15	0.00	69,000	1,700	820	4,000	19,000	29,000	
	12/14/95	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	--
	03/20/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	--
	03/22/96	--	--	--	15,000	150	490	480	3,100	400	
	09/24/96	INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING							--	--	--
	03/27/97	14.77	24.49	0.00	110	ND	ND	ND	0.62	9.6	
	09/23/97	16.74	22.52	0.00	ND	ND	ND	ND	ND	ND	
	03/10/98	12.18	27.08	0.00	ND	ND	ND	ND	3.1	ND	
	09/04/98	16.46	22.80	0.00	ND	ND	ND	1.2	2.3	ND	
	03/04/99	13.48	25.78	0.00	ND	ND	ND	ND	ND	ND	
	09/13/99	16.71	22.55	0.00	ND	ND	1.77	ND	1.06	9.08	
	03/21/00	13.87	25.39	0.00	18,700 <sup>8</sup>	ND <sup>7</sup>	ND <sup>7</sup>	1,290	4,770	ND <sup>7</sup>	



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

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-4	08/23/90	--	--	--	ND	ND	1.0	ND	1.8	--
	12/05/90	--	--	--	ND	ND	ND	ND	ND	↑
	01/18/91	--	--	--	ND	ND	ND	ND	ND	--
	03/04/91	--	--	--	ND	ND	ND	ND	ND	--
	06/03/91	--	--	--	ND	ND	ND	ND	ND	--
	09/19/91	--	--	--	ND	ND	ND	ND	ND	--
	12/04/91	--	--	--	ND	ND	ND	ND	ND	--
	03/05/92	--	--	--	ND	ND	ND	ND	ND	--
	04/07/92	--	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--	--	--	ND	ND	ND	ND	ND	--
	11/20/92	--	--	--	ND	ND	2.5	ND	ND	--
	02/12/93	--	--	--	ND	ND	ND	ND	ND	--
40.53	06/04/93	16.73	23.80	0.00	ND	ND	ND	ND	ND	--
	09/09/93	16.89	23.64	0.00	ND	ND	ND	ND	ND	--
40.25	12/02/93	18.46	21.79	0.00	ND	ND	ND	ND	2.6	--
	03/09/94	17.30	22.95	0.00	ND	1.4	4.7	1.1	8.1	--
	04/13/94	17.44	22.81	0.00	ND	ND	ND	ND	ND	--
40.28	06/09/94	17.53	22.72	0.00	ND	ND	ND	ND	ND	--
	09/07/94	18.52	21.76	0.00	ND	ND	1.1	ND	1.0	--
	12/05/94	18.08	22.20	0.00	ND	ND	ND	ND	ND	--
40.25	03/09/95	16.16	24.12	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	15.95	24.30	0.00	ND	ND	ND	ND	ND	2.7
	09/12/95	17.10	23.15	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	17.43	22.82	0.00	ND	ND	ND	ND	ND	1.3
	03/20/96	14.93	25.32	0.00	--	--	--	--	--	--
	09/24/96	17.19	23.06	0.00	--	--	--	--	--	--
	03/27/97	15.66	24.59	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	17.69	22.56	0.00	--	--	--	--	--	--
	03/10/98	12.99	27.26	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	17.28	22.97	0.00	--	--	--	--	--	--
	03/04/99	14.17	26.08	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	17.55	22.70	0.00	--	--	--	--	--	--
03/21/00	14.74	25.51	0.00	ND	ND	ND	ND	ND	ND	

**Tab 1**  
**Groundwater Monitoring and Analytical Results**  
**Tosco (Unocal) Service Station #5760**  
**376 Lewelling Boulevard**  
**San Lorenzo, 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)
U-5	04/07/92	--	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--	--	--	ND	ND	ND	ND	ND	7
	11/20/92	--	--	--	ND	ND	ND	ND	ND	--
	02/12/93	--	--	--	ND	ND	ND	ND	ND	--
39.61	06/04/93	16.05	23.56	0.00	ND	ND	ND	ND	ND	--
	09/09/93	16.90	22.71	0.00	ND	ND	ND	ND	ND	--
39.31	12/02/93	17.66	21.65	0.00	ND	ND	ND	ND	ND	--
	03/09/94	16.45	22.86	0.00	71	1.7	6.3	1.5	10	--
	04/13/94	16.64	22.67	0.00	ND	ND	ND	ND	ND	--
	06/09/94	16.70	22.61	0.00	ND	ND	ND	ND	ND	--
	09/07/94	17.73	21.58	0.00	ND	ND	0.73	ND	0.84	--
	12/05/94	17.23	22.08	0.00	ND	ND	ND	ND	ND	--
	03/09/95	15.35	23.96	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	15.16	24.15	0.00	ND	ND	ND	ND	ND	0.87
	09/12/95	16.30	23.01	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	16.56	22.75	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	14.07	25.24	0.00	--	--	--	--	--	--
	09/24/96	16.55	22.76	0.00	--	--	--	--	--	--
	03/27/97	14.85	24.46	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	16.90	22.41	0.00	--	--	--	--	--	--
	03/10/98	12.21	27.10	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	16.57	22.74	0.00	--	--	--	--	--	--
	03/04/99	13.42	25.89	0.00	ND	ND	0.67	ND	ND	ND
09/13/99	17.02	22.29	0.00	--	--	--	--	--	--	
03/21/00	13.93	25.38	0.00	ND	ND	ND	ND	ND	ND	
U-6	04/07/92	--	--	--	6,600	90	ND	820	1,200	--
	08/06/92	--	--	--	9,200	160	ND	360	150	--
	11/20/92	INACCESSIBLE	--	--	--	--	--	--	--	--
	02/12/93	--	--	--	2,600	27	ND	120	51	--
37.94	06/04/93	14.45	23.49	0.00	13,000	100	38	450	320	--
	09/09/93	15.56	22.38	0.00	6,300 <sup>3</sup>	29	ND	120	34	--
37.68	12/02/93	16.08	21.60	0.00	2,100	12	1.6	21	1.1	--
	03/09/94	14.90	22.78	0.00	2,200	11	8.2	24	16	--

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

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-6	06/09/94	15.18	22.50	0.00	2,600 <sup>4</sup>	16	ND	29	ND	--
(cont)	09/07/94	16.20	21.48	0.00	16,004	ND	ND	ND	ND	--
	12/05/94	15.60	22.08	0.00	450 <sup>5</sup>	ND	ND	ND	ND	↓
	03/09/95	13.74	23.94	0.00	2,500	29	ND	70	120	320
	06/13/95	13.73	23.95	0.00	1,300	ND	ND	20	46	5,400
	09/12/95	14.85	22.83	0.00	ND	ND	ND	ND	ND	6,600
	12/14/95	14.89	22.79	0.00	760	ND	ND	7.0	8.4	1,100
	03/20/96	12.41	25.27	0.00	52	1.1	0.98	ND	0.75	1,200
	09/24/96	15.06	22.62	0.00	ND	ND	ND	ND	ND	750
	03/27/97	13.48	24.20	0.00	ND	ND	ND	ND	ND	150
	09/23/97	15.36	22.32	0.00	66	0.81	ND	ND	ND	150
	03/10/98	10.90	26.78	0.00	ND	ND	ND	ND	ND	18
	09/04/98	14.85	22.83	0.00	ND	ND	ND	ND	ND	ND
	03/04/99	12.10	25.58	0.00	ND	ND	ND	ND	ND	6.5
	09/13/99	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--
	03/21/00	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--
U-7	04/07/92	--	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--	--	--	ND	ND	ND	ND	ND	--
	11/20/92	--	--	--	ND	ND	ND	ND	ND	--
	02/12/93	--	--	--	ND	ND	ND	ND	ND	--
37.49	06/04/93	14.17	23.32	0.00	ND	ND	ND	ND	ND	--
	09/09/93	15.23	22.26	0.00	ND	ND	ND	ND	ND	--
37.11	12/02/93	15.61	21.50	0.00	ND	ND	ND	ND	ND	--
	03/09/94	14.45	22.66	0.00	ND	1.4	4.4	0.96	7.5	--
	04/13/94	14.63	22.48	0.00	ND	ND	ND	ND	ND	--
	06/09/94	14.70	22.41	0.00	ND	ND	ND	ND	ND	--
	09/07/94	15.72	21.39	0.00	ND	ND	ND	ND	ND	--
	12/05/94	15.10	22.01	0.00	ND	ND	ND	ND	ND	--
	03/09/95	13.36	23.75	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	13.33	23.78	0.00	ND	ND	ND	ND	ND	3.5
	09/12/95	14.40	22.71	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	14.39	22.72	0.00	ND	ND	ND	ND	ND	1.4
	03/20/96	11.96	25.15	0.00	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring and Analytical Results**  
**Tosco (Unocal) Service Station #5760**  
**376 Lewelling Boulevard**  
**San Lorenzo, 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)
U-7	09/24/96	14.59	22.52	0.00	--	--	--	--	--	--
(cont)	03/27/97	13.08	24.03	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	14.90	22.21	0.00	--	--	--	--	--	--
	03/10/98	10.46	26.65	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	14.42	22.69	0.00	--	--	--	--	--	--
	03/04/99	11.64	25.47	0.00	ND	ND	ND	ND	ND	6.6
	09/13/99	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--
	03/21/00	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--
U-8	04/07/92	--	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--	--	--	ND	ND	ND	ND	ND	--
	02/12/93	--	--	--	ND	ND	ND	ND	ND	--
38.94	06/04/93	15.26	23.68	0.00	ND	ND	ND	ND	ND	--
	09/09/93	16.38	22.56	0.00	ND	ND	ND	ND	ND	--
38.57	12/02/93	16.80	21.77	0.00	ND	ND	ND	ND	ND	--
	03/09/94	15.62	22.95	0.00	ND	1.2	3.7	0.79	6.1	--
	04/13/94	15.80	22.77	0.00	ND	ND	0.78	ND	0.98	--
	06/09/94	15.86	22.71	0.00	ND	ND	ND	ND	ND	--
	09/07/94	16.87	21.70	0.00	ND	ND	ND	ND	ND	--
	12/05/94	16.32	22.25	0.00	ND	ND	ND	ND	ND	--
	03/09/95	14.56	24.01	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	14.40	24.17	0.00	ND	ND	ND	ND	ND	ND
	09/12/95	15.50	23.07	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	15.67	22.90	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	13.25	25.32	0.00	--	--	--	--	--	--
	09/24/96	15.75	22.82	0.00	--	--	--	--	--	--
	03/27/97	14.18	24.39	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	16.05	22.52	0.00	--	--	--	--	--	--
	03/10/98	11.63	26.94	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	15.81	22.76	0.00	--	--	--	--	--	--
	03/04/99	12.81	25.76	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	16.37	22.20	0.00	--	--	--	--	--	--
	03/21/00	13.25	25.32	0.00	ND	ND	ND	ND	ND	ND

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

Well ID/ TDC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-9										
37.88	06/04/93	14.67	23.21	0.00	2,100 <sup>2</sup>	ND	ND	ND	ND	—
	09/09/93	15.79	22.09	0.00	1,200 <sup>2</sup>	ND	ND	ND	ND	—
37.31	12/02/93	15.93	21.38	0.00	ND	ND	ND	ND	ND	—
	03/09/94	14.74	22.57	0.00	5,700 <sup>4</sup>	ND	ND	ND	ND	—
	04/13/94	14.96	22.35	0.00	ND	ND	ND	ND	ND	—
	06/09/94	15.05	22.26	0.00	2,900 <sup>5</sup>	ND	ND	ND	ND	—
	09/07/94	16.06	21.25	0.00	2,700 <sup>5</sup>	ND	ND	ND	ND	—
	12/05/94	15.43	21.88	0.00	3,700 <sup>5</sup>	ND	ND	ND	ND	—
	03/09/95	13.50	23.81	0.00	2,500 <sup>5</sup>	ND	ND	ND	ND	5,800
	06/13/95	13.63	23.68	0.00	ND	ND	ND	ND	ND	1,200
	09/12/95	14.73	22.58	0.00	ND	ND	ND	ND	ND	1,600
	12/14/95	14.67	22.64	0.00	ND	ND	ND	ND	ND	4,400
	03/20/96	12.27	25.04	0.00	ND	ND	ND	ND	ND	480
	09/24/96	14.92	22.39	0.00	ND	ND	ND	ND	ND	ND
	03/27/97	13.36	23.95	0.00	ND	ND	ND	ND	ND	42
	09/23/97	15.28	22.03	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	10.86	26.45	0.00	ND	ND	ND	ND	3.1	ND
	09/04/98	15.03	22.28	0.00	ND	ND	ND	ND	ND	ND
	03/04/99	11.95	25.36	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	15.61	21.70	0.00	ND	ND	1.67	ND	1.01	7.85
	03/21/00	12.38	24.93	0.00	ND	ND	ND	ND	ND	ND
Trip Blank										
TB-LB	03/10/98	--	--	--	ND	ND	ND	ND	ND	ND
	09/04/98	--	--	--	ND	ND	ND	ND	ND	ND
	03/04/99	--	--	--	ND	ND	ND	ND	ND	ND
	09/13/99	--	--	--	ND	ND	ND	ND	ND	ND
	03/21/00	--	--	--	ND	ND	ND	ND	ND	ND

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

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**EXPLANATIONS:**

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

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

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

\*\* The P.V.C. well casing was shortened in September 1995.

- 1 Ethylbenzene and xylenes were combined prior to March 1990.
- 2 The concentration reported as gasoline is primarily due to the presence of a discrete hydrocarbon peak not indicative of standard gasoline
- 3 The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline
- 4 Laboratory report indicates the hydrocarbons detected appeared to be gasoline and non-gasoline mixture
- 5 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 6 Laboratory report indicates gasoline and unidentified hydrocarbons > C8.
- 7 Detection limit raised. Refer to analytical reports.
- 8 Laboratory report indicates gasoline C6-C12.

**Table 2**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

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

**EXPLANATIONS:**

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

mg/L = milligrams per liter

-- = Not Measured

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

**Table 2**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

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

**EXPLANATIONS:**

Dissolved oxygen concentrations prior to March 10, 1998, were provided by MPDS Services, Inc.

mg/L = milligrams per liter

-- = Not Measured

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



## 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 a MMC flexi-dip 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, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

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

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

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

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/Facility # TOSCO-UNOCAL #5760 Job#: 180109  
 Address: 346 LEWELLING BLVD. Date: 3/10/98  
 City: SAN LORENZO, CA Sampler: HAIG KEVOAK

Well ID U-1 Well Condition: GOOD  
 Well Diameter 3 in. Hydrocarbon Ø Amount Bailed  
 Thickness: \_\_\_\_\_ in. (product/water): \_\_\_\_\_ (gal.)  
 Total Depth 23.17 ft.  
 Depth to Water 12.68 ft.

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

10.49 X VF 0.38 3.99 X 3 (case volume) = Estimated Purge Volume: 12 (gal.)

Purge Equipment: Disposable Bailer  Stack  Suction  Grundfos  Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer  Bailer  Pressure Bailer  Grab Sample  Other: \_\_\_\_\_

Starting Time: 3:38 Weather Conditions: SUNNY  
 Sampling Time: 3:52 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:40</u>	<u>4</u>	<u>7.28</u>	<u>638</u>	<u>21.4</u>	_____	_____	_____
	<u>8</u>	<u>7.25</u>	<u>647</u>	<u>21.1</u>	_____	_____	_____
<u>3:44</u>	<u>12</u>	<u>7.24</u>	<u>652</u>	<u>20.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-1</u>	<u>3 VOA'S</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>GIBTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # TOSCO-UNOCAL# 5460  
Address: 346 LEWELLING BLVD.  
City: SAN LORENZO, CA

Job#: 180109  
Date: 3/10/98  
Sampler: HAIG KEVORK

Well ID U-2

Well Condition: GOOD

Well Diameter 3 in.

Hydrocarbon Thickness: ∅ in. Amount Bailed (product/water): \_\_\_\_\_ (gal.)

Total Depth 29.89 ft.

Depth to Water 13.79 ft.

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

16.10 x VF 0.38 = 6.12 x 3 (case volume) = Estimated Purge Volume: 18 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

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

Starting Time: 1:17  
Sampling Time: 1:33  
Purging Flow Rate: 2.5 gpm.  
Did well de-water? NO

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

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:20</u>	<u>6</u>	<u>7.09</u>	<u>572</u>	<u>21.4</u>	_____	_____	_____
	<u>12</u>	<u>7.06</u>	<u>581</u>	<u>21.2</u>	_____	_____	_____
<u>1:25</u>	<u>18</u>	<u>7.04</u>	<u>588</u>	<u>21.1</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-2</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # TOSCO-UNOCAL # 5760  
Address: 346 LEWELLING BLVD.  
City: SAN LORENZO, CA

Job#: 180109  
Date: 3/10/98  
Sampler: HAIG KEVORK

Well ID U-3

Well Condition: GOOD

Well Diameter 3 in.

Hydrocarbon Thickness: Ø in. Amount Bailed (product/water): \_\_\_\_\_ (gal.)

Total Depth 24.81 ft.

Depth to Water 12.18 ft.

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

12.63 x VF 0.38 = 4.80 x 3 (case volume) = Estimated Purge Volume: 14 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

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

Starting Time: 3:13  
Sampling Time: 3:26  
Purging Flow Rate: 2.5 gpm.  
Did well de-water? NO

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

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:15</u>	<u>5</u>	<u>7.43</u>	<u>783</u>	<u>23.0</u>	_____	_____	_____
	<u>10</u>	<u>7.39</u>	<u>792</u>	<u>22.7</u>	_____	_____	_____
<u>3:19</u>	<u>14</u>	<u>7.41</u>	<u>790</u>	<u>22.8</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-3</u>	<u>3 VOA'S</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # TOSCO-UNOCAL #5760 Job#: 180109  
Address: 376 LEWELLING BLVD. Date: 3/10/98  
City: SAN LORENZO, CA Sampler: HAIG KEVORK

Well ID U-4 Well Condition: GOOD  
Well Diameter 3 in. Hydrocarbon Thickness: Ø in. Amount Bailed (product/water): \_\_\_\_\_ (gal.)  
Total Depth 27.86 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
Depth to Water 12.99 ft. 6" = 1.50 12" = 5.80

14.87 x VF 0.38 = 5.65 x 3 (case volume) = Estimated Purge Volume: 17 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack **Suction** Grundfos Other: \_\_\_\_\_  
Sampling Equipment: **Disposable Bailer** Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 1:47 Weather Conditions: SUNNY  
Sampling Time: 2:04 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:50</u>	<u>6</u>	<u>7.19</u>	<u>940</u>	<u>21.7</u>	_____	_____	_____
_____	<u>12</u>	<u>7.15</u>	<u>928</u>	<u>21.6</u>	_____	_____	_____
<u>1:55</u>	<u>17</u>	<u>7.13</u>	<u>922</u>	<u>21.4</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-4</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # TOSCO-UNOCAL #5760  
Address: 346 LEWELLING BLVD.  
City: SAN LORENZO, CA

Job#: 180109  
Date: 3/10/98  
Sampler: HAIG KEVORK

Well ID U-5  
Well Diameter 2 in.  
Total Depth 28.47 ft.  
Depth to Water 12.21 ft.

Well Condition: GOOD

Hydrocarbon Thickness: <u>Ø</u> in.	Amount Bailed (product/water): _____ (gal.)						
Volume Factor (VF)	<table border="0"> <tr> <td>2" = 0.17</td> <td>3" = 0.38</td> <td>4" = 0.66</td> </tr> <tr> <td>6" = 1.50</td> <td>12" = 5.80</td> <td></td> </tr> </table>	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80	
2" = 0.17	3" = 0.38	4" = 0.66					
6" = 1.50	12" = 5.80						

16.26 x VF 0.17 = 2.76 x 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

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

Starting Time: 2:20  
Sampling Time: 2:33  
Purging Flow Rate: 2.5 gpm.  
Did well de-water? NO

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

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>2:22</u>	<u>3</u>	<u>7.39</u>	<u>830</u>	<u>21.8</u>	_____	_____	_____
<u>2:25</u>	<u>6</u>	<u>7.37</u>	<u>814</u>	<u>21.5</u>	_____	_____	_____
_____	<u>8</u>	<u>7.35</u>	<u>806</u>	<u>21.6</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-5</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/Facility # TOSCO-UNOCAL # 5760 Job#: 180109  
 Address: 376 LEWELLING BLVD, Date: 3/10/98  
 City: SAN LORENZO, CA Sampler: HAIG KEVORK

Well ID U-6 Well Condition: GOOD  
 Well Diameter 2 in. Hydrocarbon Thickness: Ø in. Amount Bailed (product/water): \_\_\_\_\_ (gal.)  
 Total Depth 28.27 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 10.90 ft. Factor (VF) 6" = 1.50 12" = 5.80

17.37 x VF 0.17 2.95 X 3 (case volume) = Estimated Purge Volume: 9 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 2:47 Weather Conditions: SUNNY  
 Sampling Time: 3:00 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>2:49</u>	<u>3</u>	<u>7.54</u>	<u>623</u>	<u>22.8</u>			
	<u>6</u>	<u>7.50</u>	<u>620</u>	<u>22.6</u>			
<u>2:52</u>	<u>9</u>	<u>7.48</u>	<u>616</u>	<u>22.5</u>	<u>3.95</u>		

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-6</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>

COMMENTS: WELL W/EXISTING OAC.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/Facility # TOSCO-UNOCAL #5760 Job#: 180109  
 Address: 376 LEWELLING BLVD, Date: 3/10/98  
 City: SAN LORENZO, CA Sampler: HAIG KEVORAK

Well ID U-7 Well Condition: GOOD  
 Well Diameter 2 in. Hydrocarbon Thickness: ∅ in. Amount Bailed (product/water): \_\_\_\_\_ (gal.)  
 Total Depth 34.88 ft.  
 Depth to Water 10.46 ft.

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

24.42 x VF 0.17 = 4.15 x 3 (case volume) = Estimated Purge Volume: 12 (gal.)

Purge Equipment: \_\_\_\_\_  
 Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

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

Starting Time: 11:53 Weather Conditions: SUNNY  
 Sampling Time: 12:10 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:55</u>	<u>4</u>	<u>7.58</u>	<u>512</u>	<u>22.4</u>	_____	_____	_____
	<u>8</u>	<u>7.53</u>	<u>525</u>	<u>22.1</u>	_____	_____	_____
<u>11:59</u>	<u>12</u>	<u>7.51</u>	<u>530</u>	<u>21.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-7</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # TOSCO-UNOCAL # 5460  
Address: 376 LEWELLING BLVD.  
City: SAN LORENZO, CA

Job#: 180109  
Date: 3/10/98  
Sampler: HAIG KEVORK

Well ID U-8  
Well Diameter 2 in.  
Total Depth 29.83 ft.  
Depth to Water 11.63 ft.

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

18.20 x VF 0.17 = 3.09 x 3 (case volume) = Estimated Purge Volume: 9 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

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

Starting Time: 12:23  
Sampling Time: 12:35  
Purging Flow Rate: 2.5 gpm.  
Did well de-water? NO

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

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:25</u>	<u>3</u>	<u>7.35</u>	<u>478</u>	<u>22.6</u>	_____	_____	_____
<u>12:28</u>	<u>6</u>	<u>7.32</u>	<u>470</u>	<u>22.5</u>	_____	_____	_____
<u>12:28</u>	<u>9</u>	<u>7.30</u>	<u>464</u>	<u>22.2</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-8</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA/G/BTEX/MTBE</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # TOSCO-UNOCAL #5760 Job#: 180109  
Address: 376 LEWELLING BLVD. Date: 3/10/98  
City: SAN LORENZO, CA Sampler: HAIG KEVORK

Well ID U-9 Well Condition: GOOD  
Well Diameter 2 in. Hydrocarbon Thickness: Ø in. Amount Bailed (product/water): \_\_\_\_\_ (gal.)  
Total Depth 28.20 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
Depth to Water 10.86 ft. Factor (VF) 6" = 1.50 12" = 5.80

17.34 x VF 0.17 = 2.95 x 3 (case volume) = Estimated Purge Volume: 9 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

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

Starting Time: 12:48 Weather Conditions: SUNNY  
Sampling Time: 1:03 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:50</u>	<u>3</u>	<u>6.95</u>	<u>876</u>	<u>22.5</u>	_____	_____	_____
_____	<u>6</u>	<u>6.91</u>	<u>882</u>	<u>22.2</u>	_____	_____	_____
<u>12:54</u>	<u>9</u>	<u>6.94</u>	<u>885</u>	<u>22.0</u>	<u>3.62</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-9</u>	<u>3 VOALS</u>	<u>YES</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>G/BTEX/MTBE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: WELL w/ EXISTING OBC



Tosco Marketing Company  
2000 Cross Canyon Pl., Box 400  
San Ramon, California 94583

Facility Number UNOCAL SS#5760  
 Facility Address 376 Lewelling Blvd. San Lorenzo CA  
180109.85  
 Consultant Project Number  
 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) Ms. Tina Berry  
 (Phone) (510) 227-2321  
 Laboratory Name Sequoia Analytical  
 Laboratory Release Number \_\_\_\_\_  
 Samples Collected by (Name) HAIG KEVORK  
 Collection Date 3/10/1998  
 Signature [Signature]

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)	Analytes To Be Performed											DO NOT BILL TB-LB ANALYSIS	Remarks
								TPH Gas + BTEX w/MTBE (8015)	TPH Diesel (8015)	Oil and Greases (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
TB-LB		1	W	G		HCL	YES	✓											8031149	Limited Sample
U-1		3	W	G				✓											8031150	for U-2
U-2		3	W	G				✓											8031151	
U-3		3	W	G				✓											8031152	
U-4		3	W	G				✓											8031153	
U-5		3	W	G				✓											8031154	
U-6		3	W	G				✓											8031155	
U-7		3	W	G				✓											8031156	
U-8		3	W	G				✓											8031157	
U-9		3	W	G				✓											8031158	

Relinquished By (Signature) <u>[Signature]</u>	Organization G-R Inc.	Date/Time 3/10/98	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <b>As Contracted</b>
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>	Organization	Date/Time 3/10/98	



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(650) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (650) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Gettler-Ryan 6747 Sierra Court, Suite J Dublin, CA 94568 Attention: Deanna L. Harding	Client Project ID: Tosco #5760, San Lorenzo Sample Matrix: Water Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 803-1149	Sampled: Mar 10, 1998 Received: Mar 10, 1998 Reported: Apr 2, 1998
--	---	--

QC Batch Number:	GC032398	GC032398	GC032398	GC032398	GC032398	GC032398
	802004A	802004A	802004A	802004A	802004A	802004A

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 803-1149 TB-LB	Sample I.D. 803-1150 U-1	Sample I.D. 803-1151 U-2	Sample I.D. 803-1152 U-3	Sample I.D. 803-1153 U-4	Sample I.D. 803-1154 U-5
Purgeable Hydrocarbons	50	N.D.	2,200	N.D.	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	19	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	4.8	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	980	N.D.	3.1	N.D.	N.D.
MTBE	2.5	N.D.	38	N.D.	N.D.	N.D.	N.D.

Chromatogram Pattern:	--	Gasoline & Unidentified Hydrocarbons >C8	--	--	--	--
-----------------------	----	--	----	----	----	----

### Quality Control Data

Report Limit Multiplication Factor:	1.0	5.0	1.0	1.0	1.0	1.0
Date Analyzed:	3/23/98	3/23/98	3/23/98	3/23/98	3/23/98	3/23/98
Instrument Identification:	HP-4	HP-4	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	102	98	102	104	103	101

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

Mike Gregory  
Project Manager



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
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(650) 364-9600  
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FAX (650) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

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

Client Project ID: Tosco #5760, San Lorenzo  
Sample Matrix: Water  
Analysis Method: EPA 5030/8015 Mod./8020  
First Sample #: 803-1155

Sampled: Mar 10, 1998  
Received: Mar 10, 1998  
Reported: Apr 2, 1998

QC Batch Number: GC032398 GC032398 GC032398 GC032398  
802004A 802004A 802004A 802004A

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 803-1155 U-6	Sample I.D. 803-1156 U-7	Sample I.D. 803-1157 U-8	Sample I.D. 803-1158 U-9
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	N.D.	N.D.	3.1
MTBE	2.5	18	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--

### Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0
Date Analyzed:	3/23/98	3/23/98	3/23/98	3/23/98
Instrument Identification:	HP-4	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	99	100	107	103

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

Mike Gregory  
Project Manager

8031149.GET <2>



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

Client Project ID: Tosco #5760, San Lorenzo  
Matrix: Liquid

QC Sample Group: 8031149-158

Reported: Apr 2, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC032398 802004A	GC032398 802004A	GC032398 802004A	GC032398 802004A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	8031151	8031151	8031151	8031151
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/23/98	3/23/98	3/23/98	3/23/98
Analyzed Date:	3/23/98	3/23/98	3/23/98	3/23/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	23	23	21	66
MS % Recovery:	115	115	105	110
Dup. Result:	23	23	21	67
MSD % Recov.:	115	115	105	112
RPD:	0.0	0.0	0.0	1.5
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	4LCS032398	4LCS032398	4LCS032398	4LCS032398
Prepared Date:	3/23/98	3/23/98	3/23/98	3/23/98
Analyzed Date:	3/23/98	3/23/98	3/23/98	3/23/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	19	18	55
LCS % Recov.:	90	95	90	92

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
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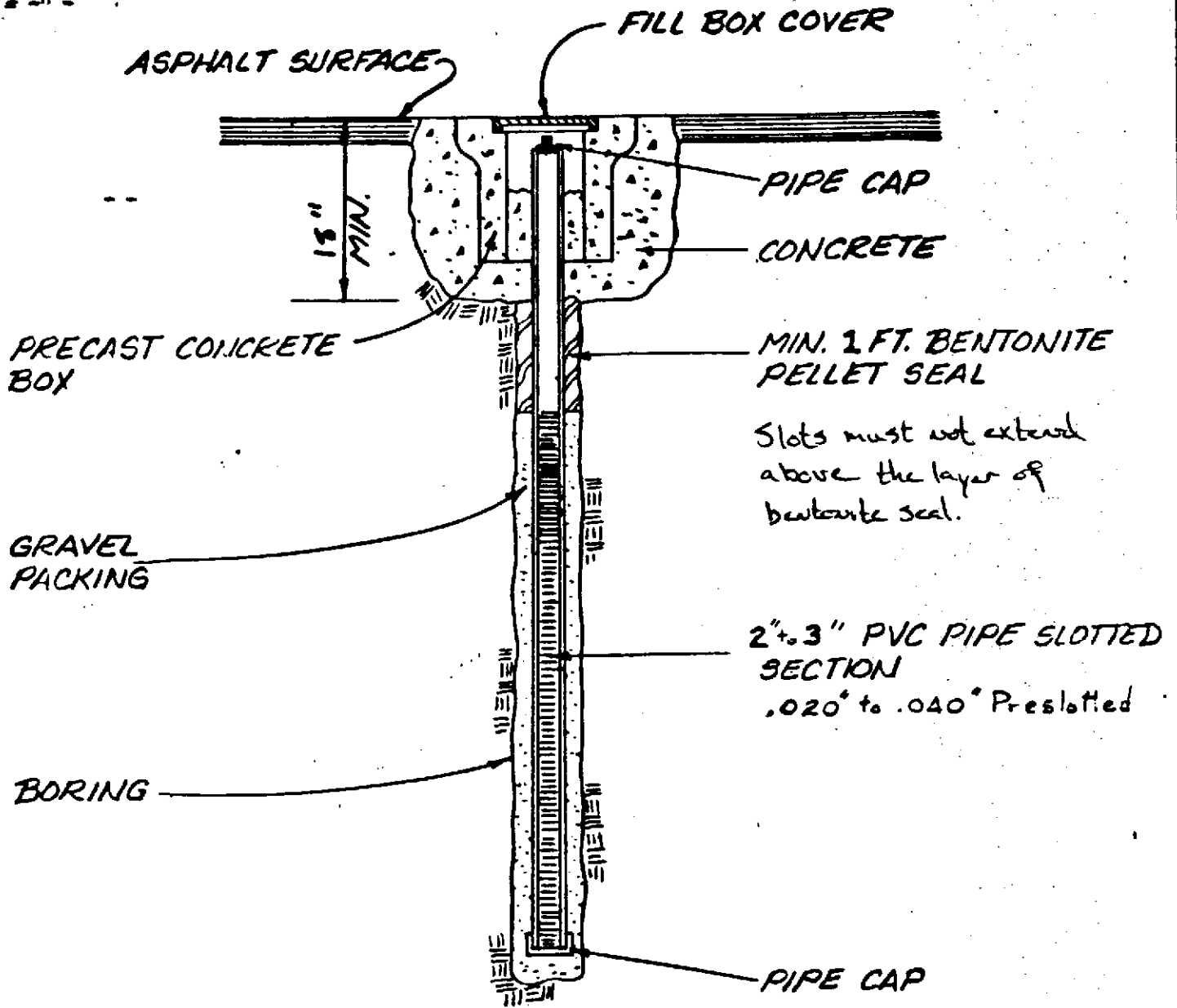
SEQUOIA ANALYTICAL, #1271

Mike Gregory  
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.

\*\* MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference



DEPTH OF HOLE: 20'

TOTAL NUMBER OF HOLES REQUIRED: 5

REV	◇		◇				
<p><b>PLANS &amp; SPECIFICATIONS</b> <b>TYPICAL WELL PROFILE</b></p>							<p>DR <u>RB</u> CH. _____</p> <p>DR APP. _____</p> <p>ENGR. _____</p>
						<p>OPR'G. DEPT. _____</p> <p>APPROVED _____</p>	<p>ENG'R. DEPT. _____</p>
						<p>SCALE <u>NONE</u> DATE <u>2/1/83</u></p>	
						<p>W.O. _____</p> <p>S.O. _____</p>	













COMPANY: CHEVRON U.S.A. #504 JOB NO: OR - 5107  
 LOCATION: 15900 HESPERIAN BLVD DATE: 12.29.83  
 CITY: SAN LORENZO TIME: 4:00 P.M.

WELL	LIQUID DEPTH	HYDROCARBON THICKNESS	AMOUNT PUMPED
1	<u>119" ≈ 10'</u>	<u>0</u>	
2	<u>121" ≈ 11'</u>	<u>0</u>	
3	<u>125" ≈ 11'</u>	<u>0</u>	
4	<u>130" ≈ 11.5'</u>	<u>0</u>	
5	<u>128" ≈ 11'</u>	<u>0</u>	
6			
7			
8			
9			
10			
11			
12			
RW			

FLOWMETER: \_\_\_\_\_ DISCHARGE: \_\_\_\_\_

WATER TABLE DEPRESSION PUMP: \_\_\_\_\_ CLEANED: \_\_\_\_\_

SCAVENGER OPERATION: \_\_\_\_\_ CLEANED: \_\_\_\_\_

CLARIFIER/SENSOR: \_\_\_\_\_ CLEANED: \_\_\_\_\_

PRODUCT TANK: TOTAL LIQUID: \_\_\_\_\_ INCHES WATER: \_\_\_\_\_ INCHES

PUMPED OUT: \_\_\_\_\_ GALLONS

TOTAL RECOVERED TO DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FOREMAN: M. DIVITA ASSISTANT: \_\_\_\_\_

COMPANY: CHEVRON U.S.A. JOB NO: OR - 5107  
 LOCATION: 15900 HESPERIAN BLVD DATE: 1-9-84  
 CITY: SAN LORENZO TIME: 1:00 P.M.

WELL	LIQUID DEPTH	HYDROCARBON THICKNESS	AMOUNT PUMPED
1	113"	Ø	
2	112"	Ø	
3	117"	Ø	
4	125"	Ø	
5	118"	Ø	
6			
7			
8			
9			
10			
11			
12			
RW			

FLOWMETER: \_\_\_\_\_ DISCHARGE: \_\_\_\_\_

WATER TABLE DEPRESSION PUMP: \_\_\_\_\_ CLEANED: \_\_\_\_\_

SCAVENGER OPERATION: \_\_\_\_\_ CLEANED: \_\_\_\_\_

CLARIFIER/SENSOR: \_\_\_\_\_ CLEANED: \_\_\_\_\_

PRODUCT TANK: TOTAL LIQUID: \_\_\_\_\_ INCHES WATER: \_\_\_\_\_ INCHES

PUMPED OUT: \_\_\_\_\_ GALLONS

TOTAL RECOVERED TO DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

FOREMAN: DAVID BYRON ASSISTANT: \_\_\_\_\_

