



# GETTLER-RYAN INC.

20 366

JUL 23 2002

## TRANSMITTAL

July 3, 2002  
G-R #180105

TO: Mr. David B. De Witt  
Phillips 66 Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

CC: Mr. Douglas Lee  
Gettler-Ryan Inc.  
Dublin, California 94568

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

RE: **Tosco (Unocal) Service Station  
#3292  
15008 East 14th Street  
San Leandro, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 20, 2002	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 10, 2002

### 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 **July 19, 2002**, this report will be distributed to the following:

cc: Mr. Scott Seery, Alameda County Health Care Services, 1131 Harbor Bay Parkway Alameda, CA 94501

Enclosure

trans/3292.dbd



# GETTLER-RYAN INC.

June 20, 2002  
G-R Job #180105

Mr. David B. De Witt  
Phillips 66 Company  
2000 Crow Canyon Place, Suite 400  
San Ramon, California 94583

**RE: Second Quarter Event of May 10, 2002**  
Groundwater Monitoring & Sampling Report  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

Dear Mr. De Witt:

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

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations for the referenced site are summarized in Table 1 and Dissolved Oxygen Concentrations are summarized in Table 2. Joint Groundwater Monitoring Data from previous events are summarized in Tables 4 and 5. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

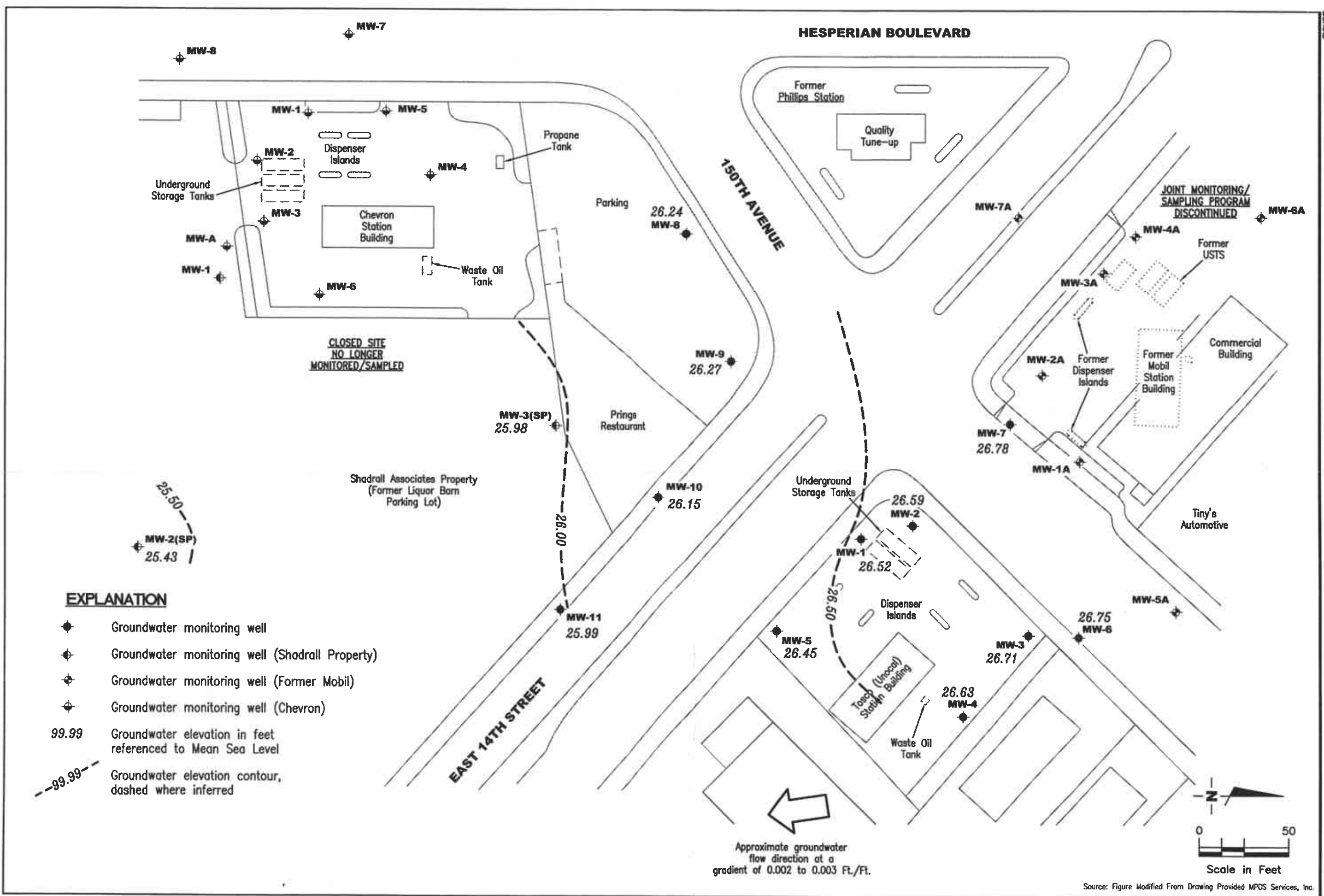
Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Dissolved Oxygen Concentrations
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Table 4: Joint Groundwater Monitoring Data - Former Mobil Facility
- Table 5: Joint Groundwater Monitoring Data - Chevron Facility #9-2013
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

3292.qml



**EXPLANATION**

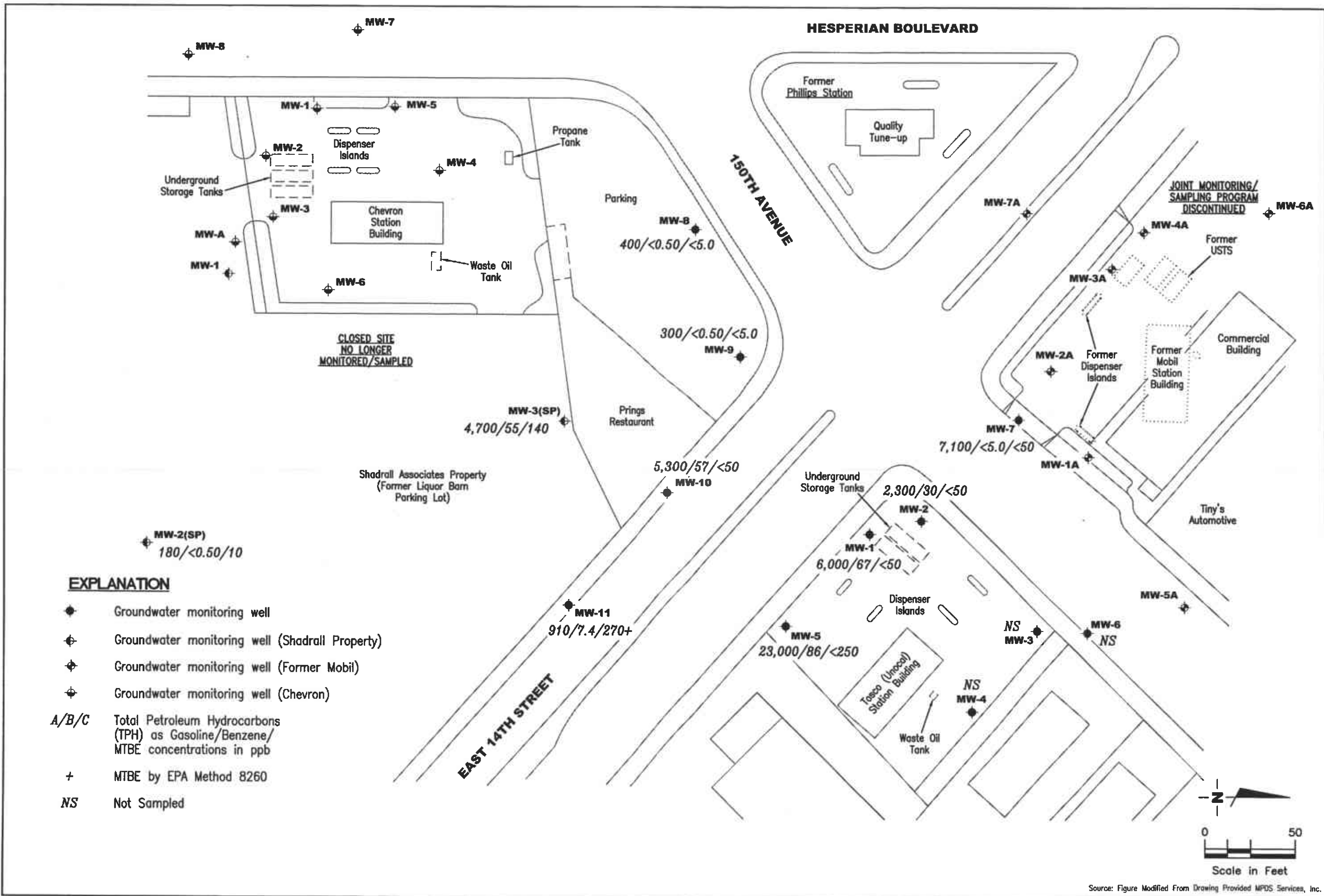
- ◆ Groundwater monitoring well
- ⊕ Groundwater monitoring well (Shadrall Property)
- ⊕ Groundwater monitoring well (Former Mobil)
- ⊕ Groundwater monitoring well (Chevron)
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred

**POTENTIOMETRIC MAP**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

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

JOB NUMBER: 180105  
 REVIEWED BY: [Signature]  
 DATE: May 10, 2002  
 REVISED DATE: [Blank]  
 FILE NAME: P:\Environ\10560\3292\001-3292.DWG | Layout Tab: Pot2

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



CONCENTRATION MAP  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

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

JOB NUMBER: 180105  
 REVIEWED BY: [Signature]  
 DATE: May 10, 2002  
 REVISION DATE: [Blank]  
 FILE NAME: P:\Environ\10560\3292\002-3292.DWG | Layout Tab: Con2

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

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-1	05/04/91	--	7.0-19.0	--	31,000	74	20	920	1,500	--	
	09/19/91	--		--	26,000	130	16	1,300	1,800	--	
	12/18/91	--		--	17,000	160	20	1,400	1,600	--	
	03/17/92	--		--	23,000	320	19	1,000	940	--	
	05/19/92	--		--	29,000	650	370	1,100	1,200	--	
	08/20/92	--		--	18,000	230	22	640	950	--	
36.72	09/16/92	13.67		23.05	--	--	--	--	--	--	
	10/12/92	14.07		22.65	--	--	--	--	--	--	
	11/10/92	13.96		22.76	18,000	220	ND	690	830	--	
	12/10/92	13.15		23.57	--	--	--	--	--	--	
	01/15/93	10.02		26.70	--	--	--	--	--	--	
	02/20/93	9.01		27.71	19,000	190	ND	880	620	--	
	03/18/93	9.48		27.24	--	--	--	--	--	--	
	04/20/93	9.15		27.57	--	--	--	--	--	--	
	05/21/93	9.80		26.92	27,000	150	200	1,200	950	--	
	06/22/93	10.33		26.39	--	--	--	--	--	--	
	07/23/93	10.79		25.93	--	--	--	--	--	--	
	08/23/93	11.27		25.45	24,000	160	110	840	810	--	
	36.37	09/24/93	11.35		25.02	--	--	--	--	--	--
		11/23/93	11.84		24.53	18,000	210	63	900	620	--
02/24/94		9.45		26.92	18,000	74	30	940	480	--	
05/25/94 <sup>3</sup>		10.45		25.92	6,400	72	ND	170	67	--	
08/23/94		11.98		24.39	24,000	130	57	970	320	--	
11/23/94		11.17		25.20	23,000	180	44	970	270	--	
02/03/95		8.01		28.36	20,000	77	17	950	390	--	
05/10/95		8.51		27.86	16,000	230	27	880	630	--	
08/02/95		10.00		26.37	18,000	190	ND	860	590	--	
11/02/95		11.11		25.26	--	--	--	--	--	--	
11/20/95 <sup>4</sup>		11.19		25.18	20,000	180	ND	960	450	970	
02/08/96		7.74		28.63	15,000	43	16	940	410	5,200	
05/08/96	8.50		27.87	16,000	37	16	930	410	1,600		
08/09/96	9.72		26.65	2,300	25	ND	77	39	1,200		

**Table 1**  
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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	11/07/96	10.74	7.0-19.0	25.63	38,000	140	ND	1,900	5,600	ND
(cont)	02/10-11/97	7.92		28.45	7,300	91	ND	170	68	1,700
	05/07/97	9.24		27.13	11,000	120	ND	470	110	1,200
	08/05/97	10.20		26.17	530 <sup>1</sup>	5.9	ND	5.6	ND	430
	11/04/97	10.71		25.66	4,100	50	7.0	64	14	97
	02/12/98	6.27		30.10	8,500	160	ND <sup>7</sup>	550	ND <sup>7</sup>	1,900
36.34	05/15/98	7.62		28.72	5,600	57	ND <sup>7</sup>	290	ND <sup>7</sup>	1,500
	08/12/98	8.85		27.49	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	5,800
	11/12/98	9.71		26.63	ND <sup>7</sup>	16	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	12,000/13,000 <sup>12</sup>
	03/01/99	7.85		28.49	5,700	43	ND <sup>7</sup>	320	ND <sup>7</sup>	5,000/9,600 <sup>12</sup>
	05/12/99	8.70		27.64	ND <sup>7</sup>	36	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	12,000/21,000 <sup>12</sup>
	08/11/99	9.81		26.53	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	5,760/8,650 <sup>12</sup>
	11/04/99	10.72		25.62	1,640 <sup>11</sup>	11.0	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	3,330/3,630 <sup>18</sup>
	02/29/00	7.31		29.03	195 <sup>19</sup>	ND	ND	ND	ND	580/657 <sup>20</sup>
	05/08/00	8.27		28.07	9,010 <sup>17</sup>	60.5	ND <sup>7</sup>	402	ND <sup>7</sup>	2,260/1,780 <sup>12</sup>
	08/08/00	9.85		26.49	2,060 <sup>17</sup>	34.8	ND <sup>7</sup>	38.7	ND <sup>7</sup>	1,710/1,990 <sup>18</sup>
	11/06/00	10.05		26.29	2,300 <sup>11</sup>	19.3	ND <sup>7</sup>	4.37	ND <sup>7</sup>	592
	02/07/01	9.64		26.70	2,700 <sup>17</sup>	25	ND <sup>7</sup>	38	ND <sup>7</sup>	1,500/840 <sup>12</sup>
	05/09/01	9.81		26.53	5,550 <sup>11</sup>	42.7	ND <sup>7</sup>	48.4	ND <sup>7</sup>	605/431 <sup>18</sup>
	08/24/01	11.21		25.13	15,000 <sup>11</sup>	130	<20	170	<20	820
	11/16/01	11.49		24.85	8,900 <sup>11</sup>	65	<10	46	<10	640/490 <sup>12</sup>
	02/21/02	8.93		27.41	7,400 <sup>11</sup>	73	<10	100	<10	400/170 <sup>12</sup>
	05/10/02	9.82		26.52	6,000 <sup>11</sup>	67	6.7	58	<5.0	<50
MW-2	05/04/91	--	7.0-19.5	--	19,000	6.6	1.4	460	630	--
	09/19/91	--		--	19,000	100	6.8	790	310	--
	12/18/91	--		--	10,000	110	5.1	420	96	--
	03/17/92	--		--	16,000	110	ND	730	220	--
	05/19/92	--		--	17,000	140	87	680	170	--
	08/20/92	--		--	13,000	52	ND	660	70	--
36.89	09/16/92	13.80		23.09	--	--	--	--	--	--

**Table 1**  
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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	10/12/92	14.19	7.0-19.5	22.70	--	--	--	--	--	--
(cont)	11/10/92	14.06		22.83	11,000	36	7.2	570	45	--
	12/10/92	13.21		23.68	--	--	--	--	--	--
	01/15/93	10.12		26.77	--	--	--	--	--	--
	02/20/93	9.07		27.82	1,500	2.9	3.8	9.1	ND	--
	03/18/93	9.55		27.34	--	--	--	--	--	--
	04/20/93	9.19		27.70	--	--	--	--	--	--
	05/21/93	9.84		27.05	9,500	37	ND	470	62	--
	06/22/93	10.37		26.52	--	--	--	--	--	--
	07/23/93	10.83		26.06	--	--	--	--	--	--
	08/23/93	11.30		25.59	15,000	110	ND	590	64	--
36.34	09/24/93	11.14		25.20	--	--	--	--	--	--
	11/23/93	11.69		24.65	11,000	80	10	480	20	--
	02/24/94 <sup>5</sup>	9.27		27.07	11,000	44	ND	580	32	--
	05/25/94	10.30		26.04	11,000	50	ND	400	22	--
	08/23/94	11.82		24.52	12,000	45	10	360	20	--
	11/23/94	10.97		25.37	15,000	61	24	440	ND	--
	02/03/95	7.87		28.47	9,700	5.7	ND	250	10	--
	05/10/95	8.38		27.96	7,500	56	4.7	310	33	--
	08/02/95	9.36		26.98	8,200	53	22	220	25	--
	11/02/95	10.95		25.39	5,000	56	4.5	170	7.7	110
	02/08/96	7.52		28.82	7,200	ND	ND	170	ND	ND
	05/08/96	8.21		28.13	8,400	5.6	9.0	170	10	130
	08/09/96	9.54		26.80	3,100	24	ND	80	ND	64
	11/07/96	10.69		25.65	36,000	140	ND	1,900	5,600	ND
	02/10-11/97	7.75		28.59	4,600	27	ND	53	ND	ND
	05/07/97	9.14		27.20	5,300	61	ND	78	20	180
	08/05/97	10.23		26.11	3,100	35	ND	13	ND	58
	11/04/97	10.65		25.69	1,200	16	ND	11	25	53
	02/12/98	6.20		30.14	630	12	ND <sup>7</sup>	7.3	ND <sup>7</sup>	48
36.30	05/15/98	7.50		28.80	3,600	19	ND <sup>7</sup>	33	ND <sup>7</sup>	72
	08/12/98	8.82		27.48	3,100	44	6.1	15	5.7	270

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**Groundwater Monitoring Data and Analytical Results**  
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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (mst)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	11/12/98	9.60	7.0-19.5	26.70	3,200 <sup>13</sup>	44	ND <sup>7</sup>	15	ND <sup>7</sup>	180
(cont)	03/01/99	7.81		28.49	3,600	45	6.2	7.5	ND <sup>7</sup>	570
	05/12/99	8.65		27.65	3,100	65	ND <sup>7</sup>	15	17	450
	08/11/99	9.95		26.35	3,260	33.6	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	154
	11/04/99	10.78		25.52	3,160 <sup>11</sup>	38.9	7.10	ND <sup>7</sup>	ND <sup>7</sup>	120
	02/29/00	7.44		28.86	3,770 <sup>11</sup>	13.5	ND <sup>7</sup>	12.0	ND <sup>7</sup>	105
	05/08/00	8.42		27.88	3,840 <sup>11</sup>	ND <sup>7</sup>	ND <sup>7</sup>	9.54	ND <sup>7</sup>	ND <sup>7</sup>
	08/08/00	9.66		26.64	3,080 <sup>11</sup>	40.8	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	149
	11/06/00	9.79		26.51	2,510 <sup>11</sup>	38.8	4.42	ND <sup>7</sup>	ND <sup>7</sup>	82.6
	02/07/01	9.43		26.87	9,300 <sup>19</sup>	140	120	71	140	790
	05/09/01	9.65		26.65	3,300 <sup>11</sup>	37.9	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	120
	08/24/01	11.06		25.24	3,100 <sup>19</sup>	<5.0	<5.0	<5.0	<5.0	<50
	11/16/01	11.19		25.11	2,200 <sup>11</sup>	28	<5.0	<5.0	<5.0	76
	02/21/02	8.73		27.57	2,700 <sup>11</sup>	33	<5.0	<5.0	<5.0	100
	05/10/02	9.71		26.59	2,300 <sup>11</sup>	30	<5.0	<5.0	<5.0	<50
MW-3	05/04/91	--	7.0-22.5	--	9,100	2.0	ND	55	180	--
	09/19/91	--		--	7,600	ND	13	190	170	--
	12/18/91	--		--	5,900	54	6.4	110	64	--
	03/17/92	--		--	5,800	66	7.5	100	58	--
	05/19/92	--		--	3,400	25	3.6	66	41	--
	08/20/92	--		--	4,500	58	ND	65	35	--
36.84	09/16/92	13.74		23.10	--	--	--	--	--	--
	10/12/92	14.13		22.71	--	--	--	--	--	--
	11/10/92	14.03		22.81	3,400	37	ND	85	34	--
	12/10/92	13.15		23.69	--	--	--	--	--	--
	01/15/93	10.07		26.77	--	--	--	--	--	--
	02/20/93	9.02		27.82	1,600	12	18	8.9	12	--
	03/18/93	9.50		27.34	--	--	--	--	--	--
	04/20/93	9.02		27.82	--	--	--	--	--	--
	05/21/93	9.70		27.14	2,600	42	ND	43	15	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	06/22/93	10.28	7.0-22.5	26.56	--	--	--	--	--	--
(cont)	07/23/93	10.74		26.10	--	--	--	--	--	--
	08/23/93	11.24		25.60	2,900	25	ND	50	18	--
36.42	09/24/93	11.20		25.22	--	--	--	--	--	--
	11/23/93	11.78		24.64	2,300	34	ND	24	5.6	--
	02/24/94	9.21		27.21	3,400	46	ND	53	11	--
	05/25/94	10.34		26.08	1,400	20	ND	ND	ND	--
	08/23/94	11.88		24.54	2,900	37	49	14	2.9	--
	11/23/94	10.98		25.44	3,200	48	ND	22	ND	--
	02/03/95	7.82		28.60	780	13	ND	2.1	ND	--
	05/10/95	8.38		28.04	1,300	ND	ND	ND	ND	--
	08/02/95	9.49		26.93	1,500	6.3	ND	16	2.1	--
	11/02/95	11.00		25.42	1,100	5.2	2.1	7.4	0.5	15
	02/08/96	7.41		29.01	450	ND	ND	ND	ND	ND
	05/08/96	8.20		28.22	590	ND	11	10	ND	ND
	08/09/96	9.53		26.89	ND	ND	ND	ND	ND	ND
	11/07/96	10.96		25.46	140	1.2	ND	ND	ND	5.6
	02/10-11/97	7.71		28.71	89	1.8	ND	ND	ND	ND
	05/07/97	9.17		27.25	52 <sup>2</sup>	ND	ND	ND	5.1	5.1
	08/05/97	10.27		26.15	ND	ND	ND	ND	ND	ND
	11/04/97	10.83		25.59	93	1.8	ND	ND	ND	6.2
	02/12/98	6.00		30.42	56	0.59	ND	ND	ND	2.7
36.42	05/15/98	7.42		29.00	130 <sup>8</sup>	0.68	ND	ND	0.63	10
	08/12/98	8.84		27.58	50	ND	ND	ND	ND	ND
	11/12/98	9.57		26.85	60 <sup>13</sup>	ND	ND	ND	ND	3.8
	03/01/99	8.74		27.68	66	ND	ND	ND	ND	3.2
	05/12/99	8.92		27.50	ND	ND	ND	ND	ND	ND
	08/11/99	10.18		26.24	ND	ND	ND	ND	ND	ND
	11/04/99	11.06		25.36	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED			--	--	--	--	--	--
	08/08/00	10.03		26.39	--	--	--	--	--	--
	11/06/00	10.10		26.32	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	02/07/01	9.81	7.0-22.5	26.61	--	--	--	--	--	--
(cont)	05/09/01	9.58		26.84	--	--	--	--	--	--
	08/24/01	11.12		25.30	--	--	--	--	--	--
	11/16/01	10.84		25.58	--	--	--	--	--	--
	02/21/02	8.68		27.74	--	--	--	--	--	--
	05/10/02	9.71		26.71	--	--	--	--	--	--
MW-4	05/04/91	--	7.0-19.5	--	6,300	ND	ND	2.8	61	--
	09/19/91	--		--	1,800	0.83	ND	54	46	--
	12/18/91	--		--	2,500	28	2.5	54	22	--
	03/17/92	--		--	1,800	3.7	1.4	90	21	--
	05/19/92	--		--	2,000	20	3.5	42	8.3	--
	08/20/92	--		--	1,000	15	ND	11	3.0	--
37.40	09/16/92	14.31		23.09	--	--	--	--	--	--
	10/12/92	14.72		22.68	--	--	--	--	--	--
	11/10/92	14.57		22.83	690	9.1	ND	16	2.8	--
	12/10/92	13.67		23.73	--	--	--	--	--	--
	01/15/93	10.62		26.78	--	--	--	--	--	--
	02/20/93	9.59		27.81	2,400	40	2.1	33	ND	--
	03/18/93	9.97		27.43	--	--	--	--	--	--
	04/20/93	9.67		27.73	--	--	--	--	--	--
	05/21/93	10.32		27.08	1,900	31	ND	20	4.5	--
	06/22/93	10.91		26.49	--	--	--	--	--	--
	07/23/93	11.38		26.02	--	--	--	--	--	--
	08/23/93	11.86		25.54	1,200	5.0	ND	16	ND	--
37.04	09/24/93	11.85		25.19	--	--	--	--	--	--
	11/23/93	12.44		24.60	720	10	ND	8.7	ND	--
	02/24/94	9.89		27.15	1,300	8.9	ND	20	ND	--
	05/25/94	11.02		26.02	1,700	22	ND	4.5	ND	--
	08/23/94	12.57		24.47	690	9.2	1.3	7.1	1.9	--
	11/23/94	11.65		25.39	420	5.0	1.1	4.2	1.2	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	02/03/95	8.52	7.0-19.5	28.52	620	6.4	ND	9.3	ND	--
(cont)	05/10/95	9.97		27.07	280	2.8	ND	2.7	2.4	--
	08/02/95	10.18		26.86	290	3.6	ND	2.8	ND	--
	11/02/95	11.67		25.37	42,000	390	210	2,800	6,300	270
	02/08/96	8.15		28.89	130	2.1	ND	1.5	0.69	ND
	05/08/96	INACCESSIBLE		--	--	--	--	--	--	--
	08/09/96	10.24		26.80	ND	ND	ND	ND	ND	ND
	11/07/96	11.58		25.46	ND	ND	ND	ND	ND	ND
	02/10-11/97	8.45		28.59	ND	ND	ND	ND	ND	ND
	05/07/97	9.85		27.19	ND	ND	ND	ND	ND	ND
	08/05/97	11.04		26.00	50	0.76	ND	ND	ND	ND
	11/04/97	11.46		25.58	ND	ND	ND	ND	ND	ND
	02/12/98	5.75		31.29	ND	ND	ND	ND	ND	ND
37.04	05/15/98	7.28		29.76	ND	ND	ND	ND	ND	ND
	08/12/98	9.85		27.19	ND	ND	ND	ND	ND	ND
	11/12/98	10.28		26.76	ND	ND	ND	ND	ND	ND
	03/01/99	8.51		28.53	ND	ND	ND	ND	ND	ND
	05/12/99	9.32		27.72	ND	ND	ND	ND	ND	ND
	08/11/99	10.65		26.39	ND	ND	ND	ND	ND	ND
	11/04/99	11.48		25.56	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED		--	--	--	--	--	--	--
	08/08/00	10.67		26.37	--	--	--	--	--	--
	11/06/00	10.56		26.48	--	--	--	--	--	--
	02/07/01	10.40		26.64	--	--	--	--	--	--
	05/09/01	9.16		27.88	--	--	--	--	--	--
	08/24/01	11.80		25.24	--	--	--	--	--	--
	11/16/01	10.46		26.58	--	--	--	--	--	--
	02/21/02	9.37		27.67	--	--	--	--	--	--
	05/10/02	10.41		26.63	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	SL (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-5	05/04/91	--	7.0-22.5	--	69,000	1,400	2,500	3,500	15,000	--	
	09/19/91	--		--	57,000	1,600	2,700	5,200	20,000	--	
	12/18/91	--		--	31,000	1,600	3,100	4,800	19,000	--	
	03/17/92	--		--	81,000	850	1,600	4,800	18,000	--	
	05/19/92	--		--	84,000	760	1,500	4,000	17,000	--	
	08/20/92	--		--	58,000	660	1,700	4,200	19,000	--	
36.40	09/16/92	13.37		23.03	--	--	--	--	--	--	
	10/12/92	13.75		22.65	--	--	--	--	--	--	
	11/10/92	13.68		22.72	57,000	800	1,800	4,400	18,000	--	
	12/10/92	12.58		23.82	--	--	--	--	--	--	
	01/15/93	9.71		26.69	--	--	--	--	--	--	
	02/20/93	8.69		27.71	17,000	75	ND	1,000	620	--	
	03/18/93	9.16		27.24	--	--	--	--	--	--	
	04/20/93	8.88		27.52	--	--	--	--	--	--	
	05/21/93	9.56		26.84	55,000	ND	160	3,500	12,000	--	
	06/22/93	10.05		26.35	--	--	--	--	--	--	
	07/23/93	10.53		25.87	--	--	--	--	--	--	
	08/23/93	10.98		25.42	61,000	340	380	3,600	14,000	--	
	35.94	09/24/93	10.94		25.00	--	--	--	--	--	--
		11/23/93	11.45		24.49	46,000	290	310	4,100	15,000	--
02/24/94		9.02		26.92	57,000	140	400	4,400	16,000	--	
05/25/94		10.03		25.91	53,000	ND	ND	4,000	14,000	--	
08/23/94		11.57		24.37	61,000	360	380	4,800	17,000	--	
11/23/94		10.71		25.23	46,000	230	260	3,900	14,000	--	
02/03/95		7.69		28.25	56,000	140	330	3,500	13,000	--	
05/10/95		8.20		27.74	27,000	160	170	2,200	5,200	--	
08/02/95		9.23		26.71	65,000	260	300	3,500	12,000	--	
11/02/95		10.70		25.24	240	0.76	ND	1.1	ND	ND	
02/08/96		7.36		28.58	54,000	210	150	3,400	12,000	170	
05/08/96		8.25		27.69	52,000	170	200	3,600	11,000	170	
08/09/96	9.37		26.57	25,000	54	16	1,700	4,700	ND		
11/07/96	10.65		25.29	2,100	42	ND	9.3	ND	2,300		

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**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	02/10-11/97	7.63	7.0-22.5	28.31	15,000	46	29	1,400	4,100	ND
(cont)	05/07/97	8.98		26.96	38,000	120	ND	2,000	5,100	380
	08/05/97	11.08		24.86	310	1.0	ND	17	40	ND
	11/04/97	10.72		25.22	20,000	ND	ND	1,500	2,800	280
	02/12/98	6.08		29.86	33,000	120	ND <sup>7</sup>	1,700	3,800	ND <sup>7</sup>
35.92	05/15/98	7.40		28.52	30,000	ND <sup>7</sup>	ND <sup>7</sup>	2,200	4,900	ND <sup>7</sup>
	08/12/98	8.69		27.23	24,000	100	ND <sup>7</sup>	ND <sup>7</sup>	3,400	1,000
	11/12/98	9.48		26.44	13,000 <sup>13</sup>	65	ND <sup>7</sup>	1,100	1,400	780
	03/01/99	7.54		28.38	29,000	75	ND <sup>7</sup>	2,000	4,100	690
	05/12/99	8.48		27.44	19,000	110	ND <sup>7</sup>	990	1,900	330
	08/11/99	9.74		26.18	24,300	ND <sup>7</sup>	ND <sup>7</sup>	1,540	1,740	ND <sup>7</sup>
	11/04/99	10.56		25.36	19,500 <sup>17</sup>	37.1	ND <sup>7</sup>	1,300	1,030	ND <sup>7</sup>
	02/29/00	7.19		28.73	SAMPLED SEMI-ANNUALLY			--	--	--
	05/08/00	8.23		27.69	25,700 <sup>11</sup>	37.6	ND <sup>7</sup>	2,020	3,500	ND <sup>7</sup>
	08/08/00	9.51		26.41	--	--	--	--	--	--
	11/06/00	10.04		25.88	14,100 <sup>11</sup>	37.1	ND <sup>7</sup>	1,250	497	ND <sup>7</sup>
	02/07/01	9.23		26.69	--	--	--	--	--	--
	05/09/01	9.44		26.48	15,600 <sup>11</sup>	ND <sup>7</sup>	ND <sup>7</sup>	1,290	476	ND <sup>7</sup>
	08/24/01	10.75		25.17	SAMPLED SEMI-ANNUALLY			--	--	--
	11/16/01	10.93		24.99	15,000 <sup>11</sup>	40	<25	1,100	54	<250
	02/21/02	8.52		27.40	--	--	--	--	--	--
	<b>05/10/02</b>	<b>9.47</b>		<b>26.45</b>	<b>23,000<sup>11</sup></b>	<b>86</b>	<b>&lt;25</b>	<b>1,500</b>	<b>450</b>	<b>&lt;250</b>
<b>MW-6</b>	05/19/92	--	8.0-20.0	--	1,300	2.0	2.1	ND	2.7	--
	08/20/92	--		--	280	8.4	ND	0.51	0.84	--
36.03	09/16/92	12.91		23.12	--	--	--	--	--	--
	10/12/92	13.28		22.75	--	--	--	--	--	--
	11/10/92	13.18		22.85	490	7.0	1.2	1.7	ND	--
	12/10/92	12.33		23.70	--	--	--	--	--	--
	01/15/93	9.25		26.78	--	--	--	--	--	--
	02/20/93	8.24		27.79	2,400	43	ND	33	2.0	--

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 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	03/18/93	8.74	8.0-20.0	27.29	--	--	--	--	--	--
(cont)	04/20/93	8.12		27.91	--	--	--	--	--	--
	05/21/93	8.83		27.20	940	18	1.0	7.1	2.7	--
	06/22/93	9.38		26.65	--	--	--	--	--	--
	07/23/93	9.87		26.16	--	--	--	--	--	--
	08/23/93	10.35		25.68	1,000	9.4	2.3	5.0	2.3	--
35.67	09/24/93	10.34		25.33	--	--	--	--	--	--
	11/23/93	10.96		24.71	520	ND	1.7	1.9	0.82	--
	02/24/94 <sup>5</sup>	8.39		27.28	810	12	ND	2.6	0.77	--
	05/25/94	9.55		26.12	500	11	ND	ND	0.73	--
	08/23/94	10.97		24.70	570	8.8	2.5	3.2	2.6	--
	11/23/94	10.21		25.46	460	6.4	1.1	1.9	1.1	--
	02/03/95	6.99		28.68	660	4.8	13	1.4	ND	--
	05/10/95	7.53		28.14	470	ND	0.65	1.4	0.67	--
	08/02/95	8.68		26.99	360	3.2	ND	1.6	ND	--
	11/02/95	10.20		25.47	470	ND	0.92	0.89	0.58	5.5
	02/08/96	6.66		29.01	450	3.1	ND	1.1	0.68	ND
	05/08/96	7.40		28.27	ND	ND	ND	ND	ND	ND
	08/09/96	8.72		26.95	ND	ND	ND	ND	ND	ND
	11/07/96	10.12		25.55	ND	ND	ND	ND	ND	ND
	02/10-11/97	6.88		28.79	ND	ND	ND	ND	ND	ND
	05/07/97	8.32		27.35	ND	ND	1.1	ND	ND	ND
	08/05/97	9.64		26.03	55	0.79	ND	ND	ND	ND
	11/04/97	10.30		25.37	ND	ND	ND	ND	ND	ND
	02/12/98	5.10		30.57	ND	ND	ND	ND	ND	ND
35.68	05/15/98	6.61		29.07	ND	ND	ND	ND	ND	ND
	08/12/98	8.02		27.66	ND	ND	ND	ND	ND	ND
	11/12/98	8.74		26.94	ND	ND	ND	ND	ND	ND
	03/01/99	7.22		28.46	ND	ND	ND	ND	ND	ND
	05/12/99	8.05		27.63	ND	ND	ND	ND	ND	ND

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**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	08/11/99	9.53	8.0-20.0	26.15	ND	ND	ND	ND	ND	ND
(cont)	11/04/99	10.44		25.24	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED			--	--	--	--	--	--
	08/08/00	9.16		26.52	--	--	--	--	--	--
	11/06/00	9.28		26.40	--	--	--	--	--	--
	02/07/01	9.18		26.50	--	--	--	--	--	--
	05/09/01	8.76		26.92	--	--	--	--	--	--
	08/24/01	10.33		25.35	--	--	--	--	--	--
	11/16/01	9.97		25.71	--	--	--	--	--	--
	02/21/02	7.86		27.82	--	--	--	--	--	--
	<b>05/10/02</b>	<b>8.93</b>		<b>26.75</b>	--	--	--	--	--	--
<b>MW-7</b>	05/19/92	--	11.0-21.5	--	17,000	540	90	1,200	1,900	--
	08/20/92	--		--	13,000	460	54	ND	3,100	--
36.40	09/16/92	13.23		23.17	--	--	--	--	--	--
	10/12/92	13.65		22.75	--	--	--	--	--	--
	11/10/92	13.54		22.86	1,800	74	ND	230	350	--
	12/10/92	12.52		23.88	--	--	--	--	--	--
	01/15/93	9.59		26.81	--	--	--	--	--	--
	02/20/93	8.55		27.85	1,800	37	4.6	11	7.7	--
	03/18/93	8.98		27.42	--	--	--	--	--	--
	04/20/93	8.52		27.88	--	--	--	--	--	--
	05/21/93	9.16		27.24	22,000	330	37	2,100	2,900	--
	06/22/93	9.66		26.74	--	--	--	--	--	--
	07/23/93	10.15		26.25	--	--	--	--	--	--
	08/23/93	10.65		25.75	33,000	360	ND	2,500	4,300	--
36.09	09/24/93	10.77		25.32	--	--	--	--	--	--
	11/23/93	11.28		24.81	19,000	310	30	2,500	2,300	--
	02/24/94 <sup>5</sup>	8.95		27.14	16,000	220	19	2,400	3,200	--
	05/25/94	10.00		26.09	14,000	200	ND	1,500	1,800	--
	08/23/94	11.43		24.66	19,000	210	50	2,000	2,800	--

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**Groundwater Monitoring Data and Analytical Results**  
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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	11/23/94	10.69	11.0-21.5	25.40	10,000	220	ND	1,000	730	--
(cont)	02/03/95	7.49		28.60	26,000	170	ND	2,300	3,700	--
	05/10/95	7.88		28.21	1,300	13	1.5	170	230	--
	08/02/95	9.02		27.07	15,000	200	ND	2,200	2,000	--
	11/02/95	10.55		25.54	18,000	190	9.4	2,100	2,200	72
	02/08/96	7.13		28.96	19,000	150	ND	2,100	3,000	ND
	05/08/96	7.11		28.98	13,000	130	18	1,900	1,600	85
	08/09/96	9.07		27.02	11,000	67	ND	1,700	1,800	ND
	11/07/96	10.76		25.33	32,000	160	ND	3,300	8,400	570
	02/10-11/97	7.22		28.87	7,100	55	ND	ND	620	ND
	05/07/97	8.47		27.62	6,000	74	ND	560	330	250
	08/05/97	10.25		25.84	5,000	66	ND	420	240	ND
	11/04/97	10.69		25.40	20,000	67	ND	2,300	4,300	430
	02/12/98	5.02		31.07	5,500	95	ND <sup>7</sup>	150	110	ND <sup>7</sup>
36.06	05/15/98	6.98		29.08	1,300	ND <sup>7</sup>	ND <sup>7</sup>	69	64	88
	08/12/98	8.42		27.64	1,400	12	2.3	67	ND <sup>7</sup>	30
	11/12/98	9.10		26.96	6,300 <sup>13</sup>	63	ND <sup>7</sup>	230	100	ND <sup>7</sup>
	03/01/99	7.14		28.92	1,000	24	ND <sup>7</sup>	23	26	39
	05/12/99	8.07		27.99	4,700	79	ND <sup>7</sup>	120	210	210
	08/11/99	9.44		26.62	4,700 <sup>17</sup>	61.6	ND <sup>7</sup>	58.2	23.6	187
	11/04/99	10.38		25.68	5,980 <sup>11</sup>	56.3	ND <sup>7</sup>	44.5	21.2	194
	02/29/00	7.06		29.00	SAMPLED SEMI-ANNUALLY			--	--	--
	05/08/00	8.15		27.91	6,600 <sup>11</sup>	80.0	ND <sup>7</sup>	99.6	66.5	ND <sup>7</sup>
	08/08/00	9.21		26.85	--	--	--	--	--	--
	11/06/00	9.77		26.29	6,030 <sup>11</sup>	56.3	ND <sup>7</sup>	156	63.1	281
	02/07/01	9.02		27.04	--	--	--	--	--	--
	05/09/01	9.38		26.68	7,460 <sup>11</sup>	45.0	ND <sup>7</sup>	186	94.4	ND <sup>7</sup>
	08/24/01	10.73		25.33	SAMPLED SEMI-ANNUALLY			--	--	--
	11/16/01	10.97		25.09	8,000 <sup>11</sup>	50	<10	61	18	<100
	02/21/02	8.60		27.46	--	--	--	--	--	--
	05/10/02	9.28		26.78	7,100 <sup>11</sup>	<5.0	<5.0	140	63	<50



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	SL (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	05/19/92	--	8.0-19.0	--	5,300	28	3.3	2.6	2.1	--
	08/20/92	--		--	3,500 <sup>1</sup>	67	11	ND	ND	--
37.14	09/16/92	14.13		23.01	--	--	--	--	--	--
	10/12/92	14.51		22.63	--	--	--	--	--	--
	11/10/92	14.46		22.68	1,800	20	ND	ND	ND	--
	12/10/92	13.51		23.63	--	--	--	--	--	--
	01/15/93	10.50		26.64	--	--	--	--	--	--
	02/20/93	9.50		27.64	2,200	32	ND	42	5.0	--
	03/18/93	9.89		27.25	--	--	--	--	--	--
	04/20/93	9.91		27.23	--	--	--	--	--	--
	05/21/93	10.40		26.74	2,500	44	ND	ND	ND	--
	06/22/93	10.86		26.28	--	--	--	--	--	--
	07/23/93	11.29		25.85	--	--	--	--	--	--
	08/23/93	11.76		25.38	280 <sup>1</sup>	49	4.5	ND	ND	--
36.89	09/24/93	12.00		24.89	--	--	--	--	--	--
	11/23/93	12.38		24.51	1,800	ND	3.4	ND	ND	--
	02/24/94	10.44		26.45	1,200	10	2.3	ND	3.2	--
	05/25/94	11.12		25.77	14,000	29	ND	ND	ND	--
	08/23/94	12.61		24.28	3,200	46	18	2.0	7.2	--
	11/23/94	11.98		24.91	1,700	34	ND	ND	3.1	--
	02/03/95	9.16		27.73	800	6.1	ND	ND	ND	--
	05/10/95	9.35		27.54	1,400	15	1.5	0.65	0.84	--
	08/02/95	10.40		26.49	690	8.3	1.9	ND	ND	--
	11/02/95	11.80		25.09	1,200	ND	1.9	0.56	ND	6.4
	02/08/96	8.98		27.91	--	--	--	--	--	--
	02/14/96 <sup>6</sup>	9.24		27.65	650	9.0	1.2	ND	0.52	ND
	05/08/96	9.46		27.43	1,200	0.7	35	2.2	3.0	ND
	08/09/96	10.47		26.42	350	ND	12	0.81	0.95	ND
	11/07/96	11.71		25.18	1,000	23	ND	ND	ND	ND
	02/10-11/97	8.84		28.05	630	13	ND	ND	8.1	ND
	05/07/97	10.12		26.77	1,200 <sup>1</sup>	26	3.4	ND	20	20
	08/05/97	11.26		25.63	590 <sup>1</sup>	9.8	ND	ND	ND	ND

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	11/04/97	11.58	8.0-19.0	25.31	640	14	1.9	5.7	11	ND
(cont)	02/12/98	7.34		29.55	770 <sup>8</sup>	20	3.0	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
36.87	05/15/98	8.67		28.20	840 <sup>8</sup>	10	ND <sup>7</sup>	ND <sup>7</sup>	3.1	ND <sup>7</sup>
	08/12/98	9.78		27.09	240 <sup>10</sup>	0.75	ND	ND	ND	ND
	11/12/98	10.62		26.25	300	14	2.0	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	03/01/99	9.02		27.85	1,100	22	4.6	2.1	4.9	12
	05/12/99	9.65		27.22	650	17	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	08/11/99	10.85		26.02	168	6.68	ND	0.544	ND	ND
	11/04/99	11.72		25.15	1,010 <sup>11</sup>	15.8	2.28	ND <sup>7</sup>	ND <sup>7</sup>	16.2
	02/29/00	8.25		28.62	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	9.21		27.66	199 <sup>19</sup>	6.26	ND	ND	ND	ND
	08/08/00	10.35		26.52	--	--	--	--	--	--
	11/06/00	10.76		26.11	797 <sup>19</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	02/07/01	10.16		26.71	--	--	--	--	--	--
	05/09/01	10.62		26.25	695 <sup>19</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	08/24/01	11.97		24.90	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/16/01	12.27		24.60	1,000 <sup>19</sup>	<2.0	<2.0	<2.0	<2.0	<20
	02/21/02	10.03		26.84	--	--	--	--	--	--
	<b>05/10/02</b>	<b>10.63</b>		<b>26.24</b>	<b>400<sup>19</sup></b>	<b>&lt;0.50</b>	<b>0.78</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>
<b>MW-9</b>	05/19/92	--	8.0-19.0	--	8,100	11	ND	25	5.8	--
	08/20/92	--		--	3,800 <sup>1</sup>	37	ND	ND	ND	--
36.92	09/16/92	13.90		23.02	--	--	--	--	--	--
	10/12/92	14.28		22.64	--	--	--	--	--	--
	11/10/92	14.22		22.70	4,200	ND	ND	21	23	--
	12/10/92	13.40		23.52	--	--	--	--	--	--
	01/15/93	10.24		26.68	--	--	--	--	--	--
	02/20/93	9.22		27.70	2,300	47	ND	32	ND	--
	03/18/93	9.55		27.37	--	--	--	--	--	--
	04/20/93	9.62		27.30	--	--	--	--	--	--
	05/21/93	10.16		26.76	3,200	32	ND	8.1	ND	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	06/22/93	10.62	8.0-19.0	26.30	--	--	--	--	--	--
(cont)	07/23/93	11.07		25.85	--	--	--	--	--	--
	08/23/93	11.54		25.38	3,000	29	ND	ND	ND	--
36.29	09/24/93	11.18		25.11	--	--	--	--	--	--
	11/23/93	11.80		24.49	2,500	23	2.1	ND	ND	--
	02/24/94	9.74		26.55	2,900	35	ND	ND	ND	--
	05/25/94	10.48		25.81	ND	ND	ND	ND	ND	--
	08/23/94	11.99		24.30	2,800	28	32	ND	ND	--
	11/23/94	11.31		24.98	2,000	24	2.2	2.2	2.5	--
	02/03/95	8.45		27.84	2,100	26	2.5	ND	ND	--
	05/10/95	8.70		27.59	1,700	0.81	2.2	1.0	1.4	--
	08/02/95	9.75		26.54	1,900	26	6.6	ND	3.9	--
	11/02/95	11.16		25.13	1,600	ND	1.3	ND	ND	11
	02/08/96	8.15		28.14	1,900	ND	ND	ND	ND	ND
	05/08/96	8.75		27.54	1,700	1.9	22	1.7	2.7	ND
	08/09/96	9.84		26.45	200	ND	4.5	ND	0.58	ND
	11/07/96	11.10		25.19	920	24	ND	ND	ND	ND
	02/10-11/97	8.15		28.14	580	14	2.4	ND	ND	16
	05/07/97	9.45		26.84	810	11	3.9	1.7	9.9	13
	08/05/97	10.70		25.59	850 <sup>1</sup>	21	ND	ND	ND	33
	11/04/97	11.05		25.24	730	11	ND	5.1	11	ND
	02/12/98	6.60		29.69	820 <sup>8</sup>	23	3.2	ND <sup>7</sup>	ND <sup>7</sup>	18
36.27	05/15/98	8.01		28.26	390	5.5	1.2	ND	13	13
	08/12/98	9.18		27.09	780	14	ND	0.52	ND	12
	11/12/98	9.91		26.36	180	6.3	ND	ND	0.62	8.1
	03/01/99	8.34		27.93	790 <sup>8</sup>	24	ND	ND	1.7	32
	05/12/99	9.04		27.23	930 <sup>16</sup>	13	2.2	1.2	1.5	10
	08/11/99	10.25		26.02	1,120	19.7	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	11/04/99	11.10		25.17	756 <sup>11</sup>	14.2	1.94	ND <sup>7</sup>	ND <sup>7</sup>	22.8
	02/29/00	8.12		28.15	955 <sup>19</sup>	22.9	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	05/08/00	9.09		27.18	895 <sup>19</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	08/08/00	10.08		26.19	630 <sup>11</sup>	18.2	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>

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**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	11/06/00	10.52	8.0-19.0	25.75	712 <sup>19</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
(cont)	02/07/01	9.78		26.49	750 <sup>17</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	66
	05/09/01	9.98		26.29	704 <sup>19</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	08/24/01	11.34		24.93	770 <sup>19</sup>	<1.2	<1.2	<1.2	<1.2	<12
	11/16/01	11.63		24.64	540 <sup>19</sup>	<1.0	<1.0	<1.0	<1.0	<10
	02/21/02	9.35		26.92	380 <sup>19</sup>	<0.50	<0.50	<0.50	<0.50	<5.0
	<b>05/10/02</b>	<b>10.00</b>		<b>26.27</b>	<b>300<sup>19</sup></b>	<b>&lt;0.50</b>	<b>0.67</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>
<b>MW-10</b>	08/20/92	--	8.0-20.0	--	15,000	230	ND	1,000	350	--
36.26	09/16/92	13.28		22.98	--	--	--	--	--	--
	10/12/92	13.67		22.59	--	--	--	--	--	--
	11/10/92	13.59		22.67	15,000	300	42	3,500	330	--
	12/10/92	12.53		23.73	--	--	--	--	--	--
	01/15/93	9.60		26.66	--	--	--	--	--	--
	02/20/93	8.57		27.69	17,000	74	ND	1,000	620	--
	03/18/93	9.03		27.23	--	--	--	--	--	--
	04/20/93	9.09		27.17	--	--	--	--	--	--
	05/21/93	9.63		26.63	23,000	250	ND	3,000	240	--
	06/22/93	10.12		26.14	--	--	--	--	--	--
	07/23/93	10.54		25.72	--	--	--	--	--	--
	08/23/93	10.99		25.27	20,000	230	13	3,200	140	--
36.04	09/24/93	11.17		24.87	--	--	--	--	--	--
	11/23/93	11.67		24.37	18,000	300	10	2,800	110	--
	02/24/94	9.57		26.47	15,000	330	19	2,000	83	--
	05/25/94	10.32		25.72	14,000	240	ND	230	62	--
	08/23/94	11.81		24.23	16,000	250	41	1,800	74	--
	11/23/94	11.10		24.94	16,000	260	ND	1,600	49	--
	02/03/95	8.32		27.72	17,000	310	ND	1,500	93	--
	05/10/95	8.70		27.34	12,000	260	16	1,200	54	--
	08/02/95	9.55		26.49	8,900	240	ND	780	40	--
	11/02/95	11.03		25.01	9,300	190	ND	470	1.7	110

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	02/08/96	8.05	8.0-20.0	27.99	9,700	170	ND	440	ND	ND
(cont)	05/08/96	8.70		27.34	7,100	100	ND	240	ND	43
	08/09/96	9.76		26.28	4,400	59	7.5	110	6.5	73
	11/07/96	10.92		25.12	6,300	65	ND	110	ND	130
	02/10-11/97	8.10		27.94	6,800	91	ND	100	ND	210
	05/07/97	9.28		26.76	4,800	76	ND	50	ND	160
	08/05/97	10.51		25.53	4,200	52	ND	40	ND	81
	11/04/97	11.02		25.02	4,500	49	ND	63	ND	84
	02/12/98	6.85		29.19	6,200	98	ND <sup>7</sup>	91	ND <sup>7</sup>	420
36.02	05/15/98	8.05		27.97	7,200	84	ND <sup>7</sup>	84	ND <sup>7</sup>	260
	08/12/98	9.27		26.75	7,500	6.9	11	47	ND <sup>7</sup>	130
	11/12/98	10.03		25.99	4,200 <sup>13</sup>	23	ND <sup>7</sup>	24	ND <sup>7</sup>	130
	03/01/99	8.56		27.46	5,900 <sup>8</sup>	37	ND <sup>7</sup>	50	26	300
	05/12/99	8.92		27.10	7,400 <sup>16</sup>	37	ND <sup>7</sup>	32	ND <sup>7</sup>	170
	08/11/99	10.10		25.92	5,060	38.1	ND <sup>7</sup>	12.9	ND <sup>7</sup>	75.5
	11/04/99	11.03		24.99	6,190 <sup>11</sup>	76.7	8.01	13.4	ND <sup>7</sup>	234
	02/29/00	9.67		26.35	7,120 <sup>11</sup>	27.8	ND <sup>7</sup>	24.7	ND <sup>7</sup>	208
	05/08/00	10.54		25.48	5,830 <sup>11</sup>	51.7	10.6	24.7	24.8	142
	08/08/00	10.92		25.10	5,010 <sup>11</sup>	50.6	ND <sup>7</sup>	13.9	ND <sup>7</sup>	113
	11/06/00	11.34		24.68	6,260 <sup>11</sup>	47.9	ND <sup>7</sup>	12.5	ND <sup>7</sup>	118
	02/07/01	10.75		25.27	4,800 <sup>17</sup>	56	10	ND <sup>7</sup>	ND <sup>7</sup>	780
	05/09/01	9.84		26.18	6,810 <sup>11</sup>	52.4	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	161
	08/24/01	11.16		24.86	5,600 <sup>11</sup>	56	<10	<10	<10	<100
	11/16/01	11.38		24.64	5,600 <sup>11</sup>	49	<10	<10	<10	190
	02/21/02	9.20		26.82	5,000 <sup>11</sup>	38	<5.0	8.5	<5.0	140
	05/10/02	9.87		26.15	5,300 <sup>11</sup>	57	6.3	8.2	<5.0	<50
MW-11	08/20/92	--	7.0-19.0	--	4,600 <sup>1</sup>	62	ND	ND	54	--
35.83	09/16/92	12.93		22.90	--	--	--	--	--	--
	10/12/92	13.30		22.53	--	--	--	--	--	--
	11/10/92	13.20		22.63	5,800	130	ND	260	42	--

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	12/10/92	12.24	7.0-19.0	23.59	--	--	--	--	--	--
(cont)	01/15/93	9.23		26.60	--	--	--	--	--	--
	02/20/93	8.20		27.63	18,000	76	ND	1,000	630	--
	03/18/93	8.77		27.06	--	--	--	--	--	--
	04/20/93	8.86		26.97	--	--	--	--	--	--
	05/21/93	9.40		26.43	7,100	64	ND	340	120	--
	06/22/93	9.87		25.96	--	--	--	--	--	--
	07/23/93	10.29		25.54	--	--	--	--	--	--
	08/23/93	10.73		25.10	5,400	68	ND	230	43	--
35.50	09/24/93	10.83		24.67	--	--	--	--	--	--
	11/23/93	11.28		24.22	3,400	105	ND	120	43	--
	02/24/94	9.20		26.30	4,600	170	ND	140	36	--
	05/25/94	9.94		25.56	1,400	49	ND	26	ND	--
	08/23/94	11.39		24.11	7,300	250	13	150	42	--
	11/23/94	10.67		24.83	5,800	250	10	120	22	--
	02/03/95	8.02		27.48	4,400	110	ND	150	37	--
	05/10/95	8.36		27.14	4,200	120	ND	170	38	--
	08/02/95	9.31		26.19	4,200	110	ND	110	22	--
	11/02/95	10.85		24.65	6,100	150	ND	78	6.8	6,200
	02/08/96	7.76		27.74	--	--	--	--	--	--
	02/14/96 <sup>6</sup>	8.18		27.32	3,100	60	ND	98	ND	4,000
	05/08/96	8.50		27.00	3,500	120	ND	160	ND	6,400
	08/09/96	9.46		26.04	1,100	42	ND	15	ND	4,300
	11/07/96	10.58		24.92	2,900	57	ND	13	ND	3,400
	02/10-11/97	7.88		27.62	600	9.5	ND	ND	ND	3,100
	05/07/97	9.07		26.43	1,900	45	ND	31	ND	2,400
	08/05/97	10.23		25.27	2,100	35	ND	24	ND	1,800
	11/04/97	10.51		24.99	98	1.6	ND	ND	ND	ND
	02/12/98	6.59		28.91	670	12	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	1,400
35.50	05/15/98	7.73		27.77	1,200 <sup>9</sup>	7.9	ND <sup>7</sup>	30	ND <sup>7</sup>	1,600
	08/12/98	8.85		26.65	1,600 <sup>11</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	2,000
	11/12/98	9.52		25.98	1,700 <sup>13</sup>	9.3	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	1,700

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 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	03/01/99	8.00	7.0-19.0	27.50	530	4.9	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	870
(cont)	05/12/99	8.64		26.86	900	6.6	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	840
	08/11/99	9.92		25.58	1,660	5.52	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	764
	11/04/99	10.88		24.62	2,600 <sup>11</sup>	8.71	ND <sup>7</sup>	2.76	ND <sup>7</sup>	1,490
	02/29/00	7.56		27.94	420 <sup>19</sup>	ND	ND	ND	ND	1,010
	05/08/00	8.50		27.00	513 <sup>11</sup>	3.56	ND <sup>7</sup>	1.11	ND <sup>7</sup>	1,320
	08/08/00	9.39		26.11	960 <sup>11</sup>	10.0	1.28	ND <sup>7</sup>	ND <sup>7</sup>	1,600
	11/06/00	9.81		25.69	3,000 <sup>11</sup>	17.7	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	1,280/1,360 <sup>12</sup>
	02/07/01	9.16		26.34	1,600 <sup>17</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	590
	05/09/01	9.51		25.99	1,010 <sup>11</sup>	11.4	ND <sup>7</sup>	1.24	ND <sup>7</sup>	586
	08/29/01	10.78		24.72	3,100 <sup>11</sup>	23	<5.0	<5.0	<5.0	840/870 <sup>12</sup>
	11/16/01	10.95		24.55	1,000 <sup>11</sup>	9.2	<2.0	<2.0	<2.0	600
	02/21/02	8.85		26.65	1,100 <sup>11</sup>	7.4	<2.5	<2.5	<2.5	270
	05/10/02	9.51		25.99	910 <sup>11</sup>	7.4	1.4	2.8	<12	330/270 <sup>18</sup>
<b>MW-2 (SP)</b>										
35.44	05/08/96	9.12	11.0-21.0	26.32	540	0.68	21	1.0	1.7	ND
	08/09/96	9.98		25.46	170	ND	7.8	ND	ND	ND
	11/07/96	10.98		24.46	430	8.9	1.5	ND	ND	10
	02/10-11/97	8.63		26.81	230 <sup>2</sup>	4.6	1.0	ND	ND	10
	05/07/97	9.58		25.86	ND	ND	ND	ND	ND	14
	08/05/97	10.62		24.82	360	5.5	50	ND	ND	ND
	11/04/97	11.06		24.38	280	2.9	13	ND	0.54	ND
	02/12/98	7.71		27.73	440 <sup>8</sup>	10	1.6	ND	0.69	13
	05/15/98	8.50		26.94	540 <sup>8</sup>	10	1.1	ND	1.1	15
	08/12/98	9.43		26.01	ND	ND	ND	ND	ND	ND
	11/12/98	9.98		25.46	300 <sup>14</sup>	6.1	ND <sup>7</sup>	ND <sup>7</sup>	4.0	ND <sup>7</sup>
	03/01/99	8.70		26.74	57	ND	ND	ND	ND	4.5
	05/12/99	9.45		25.99	ND	ND	ND	ND	ND	5.0
	08/11/99	10.08		25.36	337	ND	ND	ND	ND	12.4
	11/04/99	10.91		24.53	317 <sup>11</sup>	8.31	ND	ND	ND	7.81

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-2 (SP)	02/29/00	8.04	11.0-21.0	27.40	SAMPLED SEMI-ANNUALLY					--	--
(cont)	05/08/00	9.10		26.34	131 <sup>19</sup>	ND	ND	ND	ND	ND/4.83 <sup>12</sup>	
	08/08/00	9.91		25.53	--	--	--	--	--	--	
	11/06/00	10.20		25.24	183 <sup>19</sup>	ND	ND	ND	ND	ND	
	02/07/01	9.70		25.74	--	--	--	--	--	--	
	05/09/01	9.98		25.46	ND	ND	ND	ND	ND	ND	
	08/24/01	11.15		24.29	SAMPLED SEMI-ANNUALLY					--	--
	11/16/01	11.31		24.13	250 <sup>19</sup>	<0.50	<0.50	<0.50	<0.50	<5.0	
	02/21/02	9.55		25.89	--	--	--	--	--	--	
	<b>05/10/02</b>	<b>10.01</b>		<b>25.43</b>	<b>180<sup>19</sup></b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>0.71</b>	<b>10</b>	
<b>MW-3 (SP)</b>											
35.81	05/08/96	8.73	11.0-21.0	27.08	4,700	7.9	36	13	4.0	42	
	08/09/96	9.73		26.08	2,000	ND	14	7.6	ND	ND	
	11/07/96	10.88		24.93	1,800	29	ND	ND	ND	40	
	02/10-11/97	8.16		27.65	3,500	70	14	ND	ND	150	
	05/07/97	9.35		26.46	3,100	48	ND	ND	ND	110	
	08/05/97	10.44		25.37	3,200	43	5.7	ND	ND	61	
	11/04/97	10.90		24.91	2,600	34	ND	ND	ND	53	
	02/12/98	6.77		29.04	3,200	62	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	100	
35.82	05/15/98	8.02		27.80	ND	ND	ND	ND	ND	2.5	
	08/12/98	9.11		26.71	110	ND	4.1	ND	ND <sup>7</sup>	ND	
	11/12/98	9.81		26.01	1,800 <sup>15</sup>	37	2.8	ND <sup>7</sup>	ND <sup>7</sup>	55	
	03/01/99	8.27		27.55	2,900 <sup>8</sup>	12	3.6	ND <sup>7</sup>	ND <sup>7</sup>	110	
	05/12/99	8.92		26.90	4,100 <sup>16</sup>	34	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	45	
	08/11/99	9.59		26.23	3,220	22.8	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	50.8	
	11/04/99	10.86		24.96	2,460 <sup>11</sup>	26.6	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	52.1	
	02/29/00	7.92		27.90	SAMPLED SEMI-ANNUALLY					--	--
	05/08/00	9.07		26.75	1,080 <sup>19</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	<sup>7</sup> ND/ND <sup>12</sup>	
	08/08/00	9.86		25.96	--	--	--	--	--	--	
	11/06/00	10.12		25.70	3,100 <sup>11</sup>	35.0	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	95.7	



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (mst)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (SP)	02/07/01	9.65	11.0-21.0	26.17	--	--	--	--	--	--
(cont)	05/09/01	9.79		26.03	3,350 <sup>11</sup>	34.0	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>	ND <sup>7</sup>
	08/24/01	11.09		24.73	SAMPLED SEMI-ANNUALLY			--	--	--
	11/16/01	11.29		24.53	3,300 <sup>11</sup>	47	<10	<10	<10	<100
	02/21/02	9.19		26.63	--	--	--	--	--	--
	05/10/02	9.84		25.98	4,700 <sup>11</sup>	55	<5.0	<5.0	<5.0	140
<b>Trip Blank</b>										
TB-LB	02/12/98	--	--	--	ND	ND	ND	ND	ND	ND
	05/15/98	--	--	--	ND	ND	ND	ND	ND	ND
	08/12/98	--	--	--	ND	ND	ND	ND	ND	ND
	11/12/98	--	--	--	ND	ND	0.68	ND	0.51	ND
	03/01/99	--	--	--	ND	ND	ND	ND	ND	ND
	05/12/99	--	--	--	ND	ND	ND	ND	ND	ND
	08/11/99	--	--	--	ND	ND	ND	ND	ND	ND
	11/04/99	--	--	--	ND	ND	ND	ND	ND	ND
	02/29/00	--	--	--	ND	ND	ND	ND	ND	ND
	05/08/00	--	--	--	ND	ND	ND	ND	ND	ND
	08/08/00	--	--	--	ND	ND	ND	ND	ND	ND
	11/06/00	--	--	--	ND	ND	ND	ND	ND	ND
	02/07/01	--	--	--	ND	ND	ND	ND	ND	ND
	05/09/01	--	--	--	ND	ND	ND	ND	ND	ND
	08/24/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/16/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	02/21/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to February 12, 1998, were compiled from reports prepared by MPDS Services, Inc.

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

- \* TOC elevations are relative to msl, per a Benchmark located at the northwest corner of East 14th Street and 150th Avenue, (Elevation = 36.88 feet, msl).  
 TOC elevations for MW-2 (SP) and MW-3 (SP) are relative to msl, per Chevron monitoring well MW-6 used as a benchmark, (Elevation = 36.92 feet, msl).  
 East 14th Street and 150th Avenue, (Benchmark Elevation = 36.883 feet, msl). Prior to September 24, 1993, DTW measurements were taken from the top of the well covers.
- 1 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 2 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 3 The analytical results of the groundwater were inconsistent with the previous analytical results for this well. The laboratory re-analyzed the sample past hold time; therefore the results may be biased low.
- 4 The monitoring well was re-sampled on November 20, 1995. The vial containing the water sample collected from this well on November 2, 1995, was inadvertently broken by the laboratory.
- 5 All EPA Method 8010 constituents were ND.
- 6 The monitoring wells MW-8 and MW-11 were re-sampled on February 14, 1996. The vials containing the water samples collected from the wells on February 8, 1996, were inadvertently broken by the laboratory.
- 7 Detection limit raised. Refer to analytical reports.
- 8 Laboratory report indicates gasoline and unidentified hydrocarbons <C7.
- 9 Laboratory report indicates gasoline and discrete peaks C6-C12.
- 10 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C8.
- 11 Laboratory report indicates weathered gasoline C6-C12.
- 12 MTBE by EPA Method 8260.
- 13 Laboratory report indicates unidentified hydrocarbons >C8.
- 14 Laboratory report indicates unidentified hydrocarbons >C6.
- 15 Laboratory report indicates weathered gas and unidentified hydrocarbons >C6.
- 16 Laboratory report indicates gasoline and unidentified hydrocarbons <C6.
- 17 Laboratory report indicates gasoline C6-C12.

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

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**EXPLANATIONS:** (cont)

- <sup>18</sup> MTBE by EPA Method 8260 analyzed past EPA recommended holding time.
- <sup>19</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.
- <sup>20</sup> MTBE by EPA Method 8260 analyzed one day past the EPA recommended holding time; sample was inadvertently chosen for MTBE confirmation instead of MW-11.

**Table 2**  
**Dissolved Oxygen Concentrations**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-1	11/02/95	1.80	2.83	--
	02/08/96	--	2.58	--
	05/08/96	--	--	1.92
	08/09/96	--	2.14	--
	11/07/96	--	2.11	2.18
	02/11/97	--	--	2.05
	08/05/97	--	--	1.88
	11/04/97	--	--	2.67
	02/12/98	--	2.38	--
	05/15/98	--	2.12	--
	08/12/98	--	1.77	--
	11/12/98	--	1.55	--
	03/01/99	--	1.77	--
	05/12/99	--	1.86	--
	08/11/99	--	1.93	--
	11/04/99	--	2.10	--
	02/29/00	--	2.88	--
	05/08/00	--	3.11	--
	08/08/00	--	3.27	--
	11/06/00	--	3.67	--
02/07/01	--	3.62	--	
05/09/01	--	3.29	--	
08/24/01	--	1.97	--	
11/16/01	--	2.56	--	
02/21/02	--	1.84	--	
<b>05/10/02</b>	--	--	<b>0.70</b>	--
MW-2	11/02/95	2.30	2.80	--
	02/08/96	--	2.21	--
	05/08/96	--	--	3.89
	08/09/96	--	3.36	--
	11/07/96	--	1.96	1.98
	02/11/97	--	--	2.12
	08/05/97	--	--	2.38
	11/04/97	--	--	2.18
	02/12/98	--	2.04	--
	05/15/98	--	2.33	--
	08/12/98	--	2.50	--
	11/12/98	--	1.90	--
	03/01/99	--	1.82	--
	05/12/99	--	2.32	--
	08/11/99	--	1.98	--
	11/04/99	--	1.90	--
	02/29/00	--	2.41	--

**Table 2**  
**Dissolved Oxygen Concentrations**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-2 (cont)	05/08/00	--	2.14	--
	08/08/00	--	2.57	--
	11/06/00	--	1.94	--
	02/07/01	--	2.49	--
	05/09/01	--	2.66	--
	08/24/01	--	2.11	--
	11/16/01	--	2.34	--
	02/21/02	--	1.90	--
	<b>05/10/02</b>	--	<b>0.80</b>	--
MW-3	11/02/95	2.20	4.98	--
	02/08/96	--	2.78	--
	05/08/96	--	--	3.73
	08/09/96	--	3.29	--
	11/07/96	--	3.15	3.98
	02/10/97	--	--	3.59
	08/05/97	--	--	2.86
	11/04/97	--	--	2.95
	02/12/98	--	3.12	--
	05/15/98	--	3.97	--
	08/12/98	--	4.21	--
	03/01/99	--	4.56	--
	03/01/99	--	5.19	--
	05/12/99	--	3.87	--
	08/11/99	--	4.10	--
11/04/99	--	4.41	--	
MW-4	11/02/95	3.00	7.91	--
	02/08/96	--	2.66	--
	05/08/96	--	--	--
	08/09/96	--	2.92	--
	11/07/96	--	4.32	4.38
	02/10/97	--	--	3.87
	08/05/97	--	--	5.12
	11/04/97	--	--	3.98
	02/12/98	--	4.88	--
	05/15/98	--	5.13	--
	08/12/98	--	5.62	--
	11/12/98	--	5.76	--
	03/01/99	--	5.55	--
	05/12/99	--	5.64	--
	08/11/99	--	5.36	--
11/04/99	--	4.95	--	

**Table 2**  
**Dissolved Oxygen Concentrations**  
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WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-5	11/02/95	3.00	2.30	--
	02/08/96	--	2.35	--
	05/08/96	--	--	1.29
	08/09/96	--	2.19	--
	11/07/96	--	1.84	1.82
	02/10/97	--	--	2.07
	08/05/97	--	--	2.36
	11/04/97	--	--	1.99
	02/12/98	--	1.79	--
	05/15/98	--	1.66	--
	08/12/98	--	1.71	--
	11/12/98	--	1.81	--
	03/01/99	--	1.67	--
	05/12/99	--	1.73	--
	08/11/99	--	1.83	--
	11/04/99	--	1.77	--
	02/29/00	--	2.23	--
	05/08/00	--	2.58	--
	08/08/00	--	2.19	--
	11/06/00	--	1.85	--
	02/07/01	--	2.36	--
	05/09/01	--	2.18	--
	08/24/01	--	1.28	--
	11/16/01	--	1.89	--
	02/21/02	--	1.45	--
	05/10/02	--	0.50	--
MW-6	11/02/95	3.80	4.55	--
	02/08/96	--	3.77	--
	05/08/96	--	--	3.40
	08/09/96	--	3.53	--
	11/07/96	--	3.99	4.06
	02/10/97	--	--	3.85
	08/05/97	--	--	5.37
	11/04/97	--	--	3.67
	02/12/98	--	4.05	--
	05/15/98	--	5.28	--
	08/12/98	--	4.96	--
	11/12/98	--	5.36	--
	03/01/99	--	4.97	--
	05/12/99	--	5.47	--
	08/11/99	--	5.19	--
	11/04/99	--	5.38	--

**Table 2**  
**Dissolved Oxygen Concentrations**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-7	11/02/95	--	--	--
	02/08/96	--	2.67	--
	05/08/96	--	--	2.20
	08/09/96	--	2.37	--
	11/07/96	--	2.22	2.28
	02/11/97	--	--	2.33
	08/05/97	--	--	2.69
	11/04/97	--	--	2.82
	02/12/98	--	3.24	--
	05/15/98	--	2.95	--
	08/12/98	--	3.19	--
	11/12/98	--	2.04	--
	03/01/99	--	2.64	--
	05/12/99	--	3.05	--
	08/11/99	--	2.69	--
	11/04/99	--	2.47	--
	02/29/00	--	2.31	--
	05/08/00	--	2.16	--
	08/08/00	--	1.88	--
	11/06/00	--	1.96	--
02/07/01	--	2.08	--	
05/09/01	--	1.81	--	
08/24/01	--	1.53	--	
11/16/01	--	1.92	--	
02/21/02	--	1.79	--	
05/10/02	--	--	0.70	--
MW-8	11/02/95	--	--	--
	02/08/96	--	3.85	--
	05/08/96	--	--	2.09
	08/09/96	--	2.56	--
	11/07/96	--	1.67	1.84
	02/10/97	--	--	2.10
	08/05/97	--	--	3.04
	11/04/97	--	--	2.11
	02/12/98	--	1.98	--
	05/15/98	--	2.44	--
	08/12/98	--	2.83	--
	11/12/98	--	3.16	--
	03/01/99	--	2.81	--
	05/12/99	--	2.74	--
	08/11/99	--	3.04	--
	11/04/99	--	3.41	--
02/29/00	--	3.77	--	

**Table 2**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-8	05/08/00	--	3.97	--
(cont)	08/08/00	--	3.59	--
	11/06/00	--	3.71	--
	02/07/01	--	3.19	--
	05/09/01	--	3.59	--
	08/24/01	--	2.67	--
	11/16/01	--	2.64	--
	02/21/02	--	2.88	--
	<b>05/10/02</b>	--	<b>0.70</b>	--
MW-9	11/02/95	--	--	--
	02/08/96	--	3.62	--
	05/08/96	--	--	2.20
	08/09/96	--	2.51	--
	11/07/96	--	2.06	2.02
	02/10/97	--	--	1.96
	08/05/97	--	--	2.57
	11/04/97	--	--	2.60
	02/12/98	--	2.27	--
	05/15/98	--	2.62	--
	08/12/98	--	1.90	--
	11/12/98	--	1.38	--
	03/01/99	--	1.78	--
	05/12/99	--	2.26	--
	08/11/99	--	2.42	--
	11/04/99	--	2.71	--
	02/29/00	--	3.05	--
	05/08/00	--	3.77	--
	08/08/00	--	3.39	--
	11/06/00	--	4.06	--
	02/07/01	--	3.46	--
	05/09/01	--	4.33	--
	08/24/01	--	2.36	--
	11/16/01	--	2.48	--
	02/21/02	--	2.80	--
	<b>05/10/02</b>	--	<b>0.60</b>	--
MW-10	11/02/95	3.10	3.96	--
	02/08/96	--	2.88	--
	05/08/96	--	--	2.71
	08/09/96	--	2.63	--
	11/07/96	--	1.81	1.84
	02/10/97	--	--	2.03



**Table 2**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-10	08/05/97	--	--	2.78
(cont)	11/04/97	--	--	2.11
	02/12/98	--	2.63	--
	05/15/98	--	2.24	--
	08/12/98	--	2.43	--
	11/12/98	--	2.66	--
	03/01/99	--	3.11	--
	05/12/99	--	2.77	--
	08/11/99	--	3.21	--
	11/04/99	--	3.12	--
	02/29/00	--	2.97	--
	05/08/00	--	2.63	--
	08/08/00	--	2.73	--
	11/06/00	--	3.10	--
	02/07/01	--	3.05	--
	05/09/01	--	3.38	--
	08/24/01	--	1.74	--
	11/16/01	--	2.27	--
	02/21/02	--	2.07	--
	05/10/02	--	0.60	--
MW-11	11/02/95	2.60	3.55	--
	02/08/96	--	2.19	--
	05/08/96	--	--	2.06
	08/09/96	--	2.11	--
	11/07/96	--	2.35	2.36
	02/10/97	--	--	2.18
	08/05/97	--	--	3.19
	11/04/97	--	--	2.01
	02/12/98	--	2.44	--
	05/15/98	--	1.80	--
	08/12/98	--	2.05	--
	11/12/98	--	1.67	--
	03/01/99	--	2.03	--
	05/12/99	--	2.14	--
	08/11/99	--	2.66	--
	11/04/99	--	2.60	--
	02/29/00	--	2.47	--
	05/08/00	--	2.70	--
	08/08/00	--	2.22	--
	11/06/00	--	3.16	--
	02/07/01	--	2.56	--
	05/09/01	--	2.82	--
	08/24/01	--	2.40	--

**Table 2**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-11 (cont)	11/16/01	--	2.17	--
	02/21/02	--	2.72	--
	<b>05/10/02</b>	--	<b>0.50</b>	--
MW-2 (SP) <sup>1</sup>	11/07/96	--	2.85	2.80
	02/11/97	--	--	2.73
	08/05/97	--	--	3.99
	11/04/97	--	--	3.06
	02/12/98	--	3.11	--
	05/15/98	--	3.97	--
	08/12/98	--	3.62	--
	11/12/98	--	4.19	--
	03/01/99	--	4.56	--
	05/12/99	--	3.92	--
	08/11/99	--	4.19	--
	11/04/99	--	3.85	--
	02/29/00	--	3.21	--
	05/08/00	--	3.96	--
	08/08/00	--	3.55	--
	11/06/00	--	4.11	--
	02/07/01	--	3.80	--
	05/09/01	--	3.95	--
	08/24/01	--	3.81	--
	11/16/01	--	4.05	--
	02/21/02	--	3.70	--
	<b>05/10/02</b>	--	--	<b>0.70</b>
MW-3 (SP) <sup>1</sup>	11/07/96	--	2.41	2.40
	02/11/97	--	--	2.55
	08/05/97	--	--	3.74
	11/04/97	--	--	2.95
	02/12/98	--	3.17	--
	05/15/98	--	4.06	--
	08/12/98	--	3.98	--
	11/12/98	--	3.39	--
	03/01/99	--	3.08	--
	05/12/99	--	2.77	--
	08/11/99	--	2.84	--
	11/04/99	--	2.43	--
	02/29/00	--	2.72	--
	05/08/00	--	2.22	--
	08/08/00	--	2.76	--
11/06/00	--	2.59	--	

**Table 2**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #3292  
 15008 East 14th Street  
 San Leandro, California

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-3 (SP) <sup>1</sup>	02/07/01	--	2.61	--
(cont)	05/09/01	--	2.36	--
	08/24/01	--	1.98	--
	11/16/01	--	2.29	--
	02/21/02	--	2.10	--
	<b>05/10/02</b>	--	<b>0.60</b>	--

**Table 2**  
**Dissolved Oxygen Concentrations**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

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**EXPLANATIONS:**

Dissolved oxygen concentrations prior to February 12, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured/Not Analyzed

(SP) = Shadrall Property wells

◆ Measurements taken in field.

<sup>1</sup> Wells located on Shadrall Property.

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Tosco (Unocal) Service Station #3292  
15008 East 14th Street  
San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/08/00	ND <sup>1</sup>	ND <sup>1</sup>	1,780	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	08/08/00	--	--	1,990 <sup>2</sup>	--	--	--	--	--
	02/07/01	--	--	840	--	--	--	--	--
	05/09/01 <sup>2</sup>	ND <sup>1</sup>	ND <sup>1</sup>	431	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	11/16/01	<2,500	380	490	<5.0	<5.0	<5.0	<5.0	<5.0
	02/21/02	<1,200	<50	170	<2.5	<2.5	<2.5	<2.5	<2.5
MW-11	08/24/01	<5,000	<500	870	<10	<10	<10	<10	<10
	05/10/02 <sup>2</sup>	<1,000	<200	270	<4.0	<4.0	<4.0	<4.0	<4.0
MW-2 (SP)	05/08/00	ND	ND	4.83	ND	ND	ND	ND	ND
MW-3 (SP)	05/08/00	ND	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

<sup>1</sup> Raised detection limit. Refer to analytical reports.

<sup>2</sup> Laboratory report indicates sample was analyzed outside of the EPA recommended holding time.

**Table 4**  
**Joint Groundwater Monitoring Data**  
Former Mobil Facility #04-FGN  
14994 East 14th Street  
San Leandro, California

WELL ID/ TOC*	DATE	DTW (ft.)	GWE (msl)
<b>MW-1A</b>			
36.63	02/12/98	5.52	31.11
	08/12/98	8.80	27.83
<b>MW-2A</b>			
36.62	02/12/98	5.59	31.03
	08/12/98	8.85	27.77
<b>MW-3A</b>			
36.93	02/12/98	5.72	31.21
	08/12/98	9.05	27.88
<b>MW-4A</b>			
37.18	02/12/98	5.90	31.28
	08/12/98	9.21	27.97
<b>MW-5A</b>			
35.91	02/12/98	5.32	30.59
	08/12/98	8.19	27.72
<b>MW-6A</b>			
37.10	02/12/98	5.52	31.58
	08/12/98	8.91	28.19
<b>MW-7A</b>			
37.39	02/12/98	6.55	30.84
	08/12/98	9.65	27.74

**EXPLANATIONS:**

Groundwater monitoring data provided by Alton Geoscience. Site monitored on a semi-annual basis.

TOC = Top of Casing

DTW = Depth to Water

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

\* TOC elevations have been surveyed relative to msl.

**Table 5**  
**Joint Groundwater Monitoring Data**  
 Chevron Service Station #9-2013  
 15002 Hesperian Boulevard  
 San Leandro, California

<b>WELL ID/ TOC*</b>	<b>DATE</b>	<b>DTW (ft.)</b>	<b>GWE (msl)</b>
<b>MW-1</b> 35.77	11/04/97	11.35	24.42
	05/15/98	8.11	27.66
	08/12/98	9.35	26.42
<b>MW-2</b> 35.00	11/04/97	10.70	24.30
	05/15/98	7.63	27.37
	08/12/98	8.75	26.25
<b>MW-3</b> 36.17	11/04/97	11.75	24.42
	05/15/98	8.75	27.42
	08/12/98	9.85	26.32
<b>MW-4</b> 36.05	11/04/97	11.47	24.58
	05/15/98	8.27	27.78
	08/12/98	9.40	26.65
<b>MW-5</b> 35.65	11/04/97	11.17	24.48
	05/15/98	7.92	27.73
	08/12/98	9.05	26.60
<b>MW-6</b> 36.92	11/04/97	12.42	24.50
	05/15/98	9.45	27.47
	08/12/98	10.60	26.32
<b>MW-7</b> 35.71	11/04/97	11.01	24.70
	05/15/98	8.11	27.60
	08/12/98	9.25	26.46
<b>MW-8</b> 35.28	11/04/97	10.63	24.65
	05/15/98	7.98	27.30
	08/12/98	9.00	26.28
<b>MW-A</b>	11/04/97	11.45	--
	05/15/98	8.51	--
	08/12/98	9.60	--

**Table 5**  
**Joint Groundwater Monitoring Data**  
Chevron Facility #9-2013  
15002 Hesperian Boulevard  
San Leandro, California

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**EXPLANATIONS:**

Groundwater monitoring data provided by Blaine Tech Services, Inc. Site monitored on a semi-annual basis.

TOC = Top of Casing

DTW = Depth to Water

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

-- = Not Available



## 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 Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: VT

Well ID MW-1  
Well Diameter 2 in.  
Total Depth 18.95 ft.  
Depth to Water 9.82 ft.

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

9.13 X VF 0.17 = 1.55 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 1445  
Sampling Time: 1500  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? NO

Weather Conditions: clear  
Water Color: clear Odor: 4  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/l)	ORP (mV)	Alkalinity (ppm)
<u>1448</u>	<u>1.2</u>	<u>7.11</u>	<u>478</u>	<u>66.7</u>	<u>0.7</u>		
<u>1451</u>	<u>3</u>	<u>7.02</u>	<u>478</u>	<u>66.5</u>			
<u>1455</u>	<u>5</u>	<u>6.97</u>	<u>481</u>	<u>66.6</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#): CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tasco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: VT

Well ID MW-2  
Well Diameter 2 in.  
Total Depth 19.10 ft.  
Depth to Water 9.71 ft.

Well Condition: OK  
Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (Gallons) 0  
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
6" = 1.50 12" = 5.80

9.39 x VF 0.17 = 1.59 x 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 1420  
Sampling Time: 1435  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? \_\_\_\_\_

Weather Conditions: clear  
Water Color: clear Odor: 0  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1423</u>	<u>1.0</u>	<u>7.24</u>	<u>476</u>	<u>68.5</u>	<u>0.8</u>		
<u>1427</u>	<u>3</u>	<u>7.15</u>	<u>472</u>	<u>68.3</u>			
<u>1431</u>	<u>5</u>	<u>7.11</u>	<u>470</u>	<u>68.2</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(GI)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: DT

Well ID MW-3  
Well Diameter 2 in.  
Total Depth 22.15 ft.  
Depth to Water 9.71 ft.

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

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

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other:       

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

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

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

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

**LABORATORY INFORMATION**

SAMPLE ID	(#) : CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW</u>	<u>X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/bTEX/mtbe</u>

COMMENTS: Monitor only

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: BT

Well ID MW-4

Well Condition: DR

Well Diameter 2 in.

Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.60 ft.

Depth to Water 10.41 ft.

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

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

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

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

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

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

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

**LABORATORY INFORMATION**

SAMPLE ID	(#): CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHIG)/btex/mtbe</u>

COMMENTS: Monitor only

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/Facility# Tosco # 3292 Job#: 180105  
 Address: 15008 East 14<sup>th</sup> St. Date: 5/10/03  
 City: San Leandro, CA Sampler: JT

Well ID MW-5 Well Condition: OK  
 Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)  
 Total Depth 22.15 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 9.47 ft. 6" = 1.50 12" = 5.80

12.68 x VF 0.17 = 2.15 X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

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

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

Starting Time: 1510 Weather Conditions: clear  
 Sampling Time: 1530 Water Color: clear Odor: Y  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1514</u>	<u>2</u>	<u>7.05</u>	<u>567</u>	<u>67.4</u>	<u>0.5</u>		
<u>1518</u>	<u>4</u>	<u>6.95</u>	<u>570</u>	<u>67.6</u>			
<u>1523</u>	<u>6.5</u>	<u>6.92</u>	<u>574</u>	<u>67.9</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#): CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: VT

Well ID MW-6

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 20.15 ft.

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

Depth to Water 8.93 ft.

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

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other:     

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

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

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

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

**LABORATORY INFORMATION**

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>X VOA VIAL</u>	<u>X</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/bTEX/mtbe</u>

COMMENTS: Monitor only

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292 Job#: 180105  
Address: 15008 East 14<sup>th</sup> St. Date: 5/10/02  
City: San Leandro, CA Sampler: JS

Well ID MW-7 Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.05 (feet) (product/water): 0 (Gallons)  
Total Depth 21.20 ft.  
Depth to Water 9.28 ft.

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

11.92 x VF 0.17 x 202 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: 1345 Weather Conditions: clear  
Sampling Time: 1405 Water Color: clear Odor: 4  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1349</u>	<u>2</u>	<u>7.35</u>	<u>490</u>	<u>67.9</u>	<u>0.7</u>		
<u>1355</u>	<u>4</u>	<u>7.22</u>	<u>481</u>	<u>67.8</u>			
<u>1400</u>	<u>6</u>	<u>7.16</u>	<u>476</u>	<u>67.6</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: UT

Well ID MW-8

Well Condition: on

Well Diameter 2 in.

Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): P (Gallons)

Total Depth 19.10 ft.

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

Depth to Water 10.63 ft.

8.47 x VF 0.17 = 1.43 x 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

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

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

Starting Time: 1315  
Sampling Time: 1332  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? no

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

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1318</u>	<u>1.5</u>	<u>7.39</u>	<u>524</u>	<u>69.1</u>	<u>0.7</u>		
<u>1322</u>	<u>3</u>	<u>7.30</u>	<u>528</u>	<u>69.5</u>			
<u>1326</u>	<u>4.5</u>	<u>7.26</u>	<u>535</u>	<u>69.7</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#): CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tesco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: UT

Well ID MW-9

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0.02 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.10 ft.

Depth to Water 10.00 ft.

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

9.10 x VF 0.17 = 1.54 x 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 1238  
Sampling Time: 1255  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? NO

Weather Conditions: clear  
Water Color: clear Odor: 4  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1243</u>	<u>1.5</u>	<u>7.48</u>	<u>587</u>	<u>67.8</u>	<u>0.6</u>		
<u>1245</u>	<u>3</u>	<u>7.40</u>	<u>594</u>	<u>68.1</u>			
<u>1249</u>	<u>5</u>	<u>7.35</u>	<u>602</u>	<u>68.4</u>			
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: VT

Well ID MW-10

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.90 ft.

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

Depth to Water 9.87 ft.

1003 x VF 0.17 = 1.70 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: 1200

Weather Conditions: clear

Sampling Time: 1220

Water Color: clear Odor: Y

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? no

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ hos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1204</u>	<u>2</u>	<u>7.41</u>	<u>583</u>	<u>67.1</u>	<u>0.6</u>		
<u>1209</u>	<u>4</u>	<u>7.32</u>	<u>582</u>	<u>67.6</u>			
<u>1215</u>	<u>5.5</u>	<u>7.29</u>	<u>580</u>	<u>67.9</u>			
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/Facility # Tosco # 3292 Job#: 180105  
 Address: 15008 East 14<sup>th</sup> St. Date: 5/10/02  
 City: San Leandro, CA Sampler: VT

Well ID MW-11 Well Condition: OK  
 Well Diameter 2 in. Hydrocarbon Amount Bailed  
 Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
 Total Depth 19.00 ft.  
 Depth to Water 9.57 ft.

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

9.49 x VF 0.12 = 1.61 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 1130 Weather Conditions: clear  
 Sampling Time: 1148 Water Color: clear Odor: Y  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1133</u>	<u>1.5</u>	<u>7.46</u>	<u>622</u>	<u>67.8</u>	<u>0.5</u>		
<u>1137</u>	<u>3</u>	<u>7.34</u>	<u>623</u>	<u>68.3</u>			
<u>1143</u>	<u>5</u>	<u>7.30</u>	<u>627</u>	<u>68.6</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#): CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292  
Address: 15008 East 14<sup>th</sup> St.  
City: San Leandro, CA

Job#: 180105  
Date: 5/10/02  
Sampler: VT

Well ID MW-2(SP)  
Well Diameter 2 in.  
Total Depth 20.85 ft.  
Depth to Water 10.01 ft.

Well Condition: OK

Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 7 (Gallons)

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

10.84 X VF 0.17 = 1.84 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: 1025  
Sampling Time: 1045  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? no

Weather Conditions: clear  
Water Color: clear Odor: no  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1029</u>	<u>2</u>	<u>7.63</u>	<u>697</u>	<u>69.8</u>	<u>0.7</u>		
<u>1035</u>	<u>4</u>	<u>7.50</u>	<u>663</u>	<u>68.9</u>			
<u>1038</u>	<u>5.5</u>	<u>7.43</u>	<u>660</u>	<u>68.8</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2(SP)</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHIG)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/  
Facility # Tosco # 3292 Job#: 180105  
Address: 15008 East 14<sup>th</sup> St. Date: 5/10/02  
City: San Leandro, CA Sampler: VT

Well ID MW-3(SP) Well Condition: OK  
Well Diameter 2 in. Hydrocarbon Amount Bailed  
Thickness: 0.00 (feet) (product/water): 0 (Gallons)  
Total Depth 20.70 ft.  
Depth to Water 9.84 ft.

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

10.86 x VF 0.17 = 1.84 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: 1100 Weather Conditions: clear  
Sampling Time: 1117 Water Color: clear Odor: Y  
Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1104</u>	<u>2</u>	<u>7.49</u>	<u>613</u>	<u>68.8</u>	<u>0.6</u>		
<u>1108</u>	<u>4</u>	<u>7.38</u>	<u>610</u>	<u>69.3</u>			
<u>1112</u>	<u>5.5</u>	<u>7.36</u>	<u>608</u>	<u>69.5</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3(SP)</u>	<u>4 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHIG)/btex/mtbe</u>

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



Facility Number TOSCO #3292  
 Facility Address 15008 East 14th St., San Leandro, CA  
 Consultant Project Number 180105.85  
 Consultant Name Gettler-Ryan Inc. (G-R Inc.)  
 Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568  
 Project Contact (Name) Deanna L. Harding  
 (Phone) (925) 551-7555 (Fax Number) 925-551-7899

Contact (Name) MR. Dave DeWitt  
 (Phone) 925-277-2384  
 Laboratory Name Sequoia Analytical  
 Laboratory Release Number \_\_\_\_\_  
 Samples Collected by (Name) Vartkes Tashjian  
 Collection Date 5/10/02  
 Signature Vartkes Tashjian

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Chemical	Type G = Grab C = Composite D = Dissolve	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed										DO NOT BILL! TB-LB ANALYSIS Run 8 Oxy's by 8260 on Highest 8020 MTBE Hic.  8 Oxy's - MTBE, THA, DHP, BTBG, TAME, L20CA, EDH, Ethanol									
								TPH (8010) + BTX (8012)	TPH Dissol (8012)	Oil and Grease (8020)	Polycyclic Halocarbons (8010)	Perchloric Aromatics (8020)	Pesticide Organics (8040)	Extractable Organics (8020)	Mercury Cd, Cr, Pb, Zn, Ni (ICAP or AA)												
TB-LB	01	1	W	Ca		HCL	Y	X																			
MW-1	02	4	W	Ca	1500			X																			
MW-2	03	4	W	Ca	1435			X																			
MW-5	04	4	W	Ca	1530			X																			
MW-7	05	4	W	Ca	1405			X																			
MW-8	06	4	W	Ca	1332			X																			
MW-9	07	4	W	Ca	1255			X																			
MW-10	08	4	W	Ca	1220			X																			
MW-11	09	4	W	Ca	1148			X																			
MW-2(SP)	10	4	W	Ca	1045			X																			
MW-3(SP)	11	4	W	Ca	1117			X																			

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time <u>5/10/02</u>	Received By (Signature) <u>[Signature]</u>	Organization _____	Date/Time <u>5/10/02</u>	Turn Around Time (Circle Check) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	



**Sequoia  
Analytical**

1455 McDowell Blvd, North Ste D  
Petaluma, CA 94954  
(707) 792-1865  
FAX (707) 792-0342  
www.sequoialabs.com

28 May, 2002

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

RE: Tosco(1)  
Sequoia Work Order: L205050

Enclosed are the results of analyses for samples received by the laboratory on 05/10/02 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Richard G. Yee For Wayne Stevenson  
Project Manager

CA ELAP Certificate #2360

RECEIVED

MAY 10 2002

GETTLER-RYAN INC.  
GENERAL CONTRACTORS



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

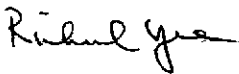
Project: Tosco(1)  
Project Number: Tosco #3292, San Leandro  
Project Manager: Deanna Harding

Reported:  
05/28/02 14:01

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	L205050-01	Water	05/10/02 00:00	05/10/02 16:45
MW-1	L205050-02	Water	05/10/02 15:00	05/10/02 16:45
MW-2	L205050-03	Water	05/10/02 14:35	05/10/02 16:45
MW-5	L205050-04	Water	05/10/02 15:30	05/10/02 16:45
MW-7	L205050-05	Water	05/10/02 14:05	05/10/02 16:45
MW-8	L205050-06	Water	05/10/02 13:32	05/10/02 16:45
MW-9	L205050-07	Water	05/10/02 12:55	05/10/02 16:45
MW-10	L205050-08	Water	05/10/02 12:20	05/10/02 16:45
MW-11	L205050-09	Water	05/10/02 11:48	05/10/02 16:45
MW-2(SP)	L205050-10	Water	05/10/02 10:45	05/10/02 16:45
MW-3(SP)	L205050-11	Water	05/10/02 11:17	05/10/02 16:45

Sequoia Analytical - San Carlos



*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.*

Richard G. Yee For Wayne Stevenson, Project Manager

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

 Project: Tosco(1)  
 Project Number: Tosco #3292, San Leandro  
 Project Manager: Deanna Harding

 Reported:  
 05/28/02 14:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TB-LB (L205050-01) Water</b> Sampled: 05/10/02 00:00 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2050053	05/22/02	05/22/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		111 %	70-130		"	"	"	"	
<b>MW-1 (L205050-02) Water</b> Sampled: 05/10/02 15:00 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	6000	500	ug/l	10	2050053	05/22/02	05/22/02	EPA 8021B	P-02
Benzene	67	5.0	"	"	"	"	"	"	
Toluene	6.7	5.0	"	"	"	"	"	"	
Ethylbenzene	58	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		143 %	70-130		"	"	"	"	S-04
<b>MW-2 (L205050-03) Water</b> Sampled: 05/10/02 14:35 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	2300	500	ug/l	10	2050053	05/22/02	05/22/02	EPA 8021B	P-02
Benzene	30	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		116 %	70-130		"	"	"	"	



Gettler-Ryan/Geostrategies(1)  
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Dublin CA, 94568

Project: Tosco(1)  
Project Number: Tosco #3292, San Leandro  
Project Manager: Deanna Harding

Reported:  
05/28/02 14:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-5 (L205050-04) Water</b> Sampled: 05/10/02 15:30 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	23000	2500	ug/l	50	2050053	05/22/02	05/23/02	EPA 8021B	P-02
Benzene	86	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	1500	25	"	"	"	"	"	"	
Xylenes (total)	450	25	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.2 %		70-130	"	"	"	"	
<b>MW-7 (L205050-05) Water</b> Sampled: 05/10/02 14:05 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	7100	500	ug/l	10	2050053	05/22/02	05/22/02	EPA 8021B	P-02
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	140	5.0	"	"	"	"	"	"	
Xylenes (total)	63	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		120 %		70-130	"	"	"	"	
<b>MW-8 (L205050-06) Water</b> Sampled: 05/10/02 13:32 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	400	50	ug/l	1	2050053	05/22/02	05/23/02	EPA 8021B	P-03
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	0.78	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		157 %		70-130	"	"	"	"	S-04

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

 Project: Tosco(1)  
 Project Number: Tosco #3292, San Leandro  
 Project Manager: Deanna Harding

 Reported:  
 05/28/02 14:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-9 (L205050-07) Water</b> Sampled: 05/10/02 12:55 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	300	50	ug/l	1	2050053	05/22/02	05/23/02	EPA 8021B	P-03
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	0.67	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		152 %	70-130		"	"	"	"	S-04
<b>MW-10 (L205050-08) Water</b> Sampled: 05/10/02 12:20 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	5300	500	ug/l	10	2050053	05/22/02	05/23/02	EPA 8021B	P-02
Benzene	57	5.0	"	"	"	"	"	"	
Toluene	6.3	5.0	"	"	"	"	"	"	
Ethylbenzene	8.2	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		118 %	70-130		"	"	"	"	
<b>MW-11 (L205050-09) Water</b> Sampled: 05/10/02 11:48 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	910	120	ug/l	2.5	2050056	05/23/02	05/23/02	EPA 8021B	P-02
Benzene	7.4	1.2	"	"	"	"	"	"	
Toluene	1.4	1.2	"	"	"	"	"	"	
Ethylbenzene	2.8	1.2	"	"	"	"	"	"	
Xylenes (total)	ND	1.2	"	"	"	"	"	"	
Methyl tert-butyl ether	330	12	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	70-130		"	"	"	"	



Gettler-Ryan/Geostrategies(1)  
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 Project Manager: Deanna Harding

Reported:  
 05/28/02 14:01

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-2(SP) (L205050-10) Water</b> Sampled: 05/10/02 10:45 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	180	50	ug/l	1	2050053	05/22/02	05/23/02	EPA 8021B	P-03
Benzene	ND	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	0.71	0.50	"	"	"	"	"	"	"
Methyl tert-butyl ether	10	5.0	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		126 %		70-130	"	"	"	"	"
<b>MW-3(SP) (L205050-11) Water</b> Sampled: 05/10/02 11:17 Received: 05/10/02 16:45									
Purgeable Hydrocarbons as Gasoline	4700	500	ug/l	10	2050056	05/23/02	05/23/02	EPA 8021B	P-02
Benzene	55	5.0	"	"	"	"	"	"	"
Toluene	ND	5.0	"	"	"	"	"	"	"
Ethylbenzene	ND	5.0	"	"	"	"	"	"	"
Xylenes (total)	ND	5.0	"	"	"	"	"	"	"
Methyl tert-butyl ether	140	50	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		111 %		70-130	"	"	"	"	"

Gettler-Ryan/Geostrategies(1)  
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 Project: Tosco(1)  
 Project Number: Tosco #3292, San Leandro  
 Project Manager: Deanna Harding

 Reported:  
 05/28/02 14:01

**Volatile Organic 8 Oxygenated Compounds by EPA Method 8260B**  
**Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-11 (L205050-09) Water</b>									<b>HT-04</b>
		<b>Sampled: 05/10/02 11:48</b>			<b>Received: 05/10/02 16:45</b>				
Ethanol	ND	1000	ug/l	2	2050060	05/28/02	05/28/02	EPA 8260B	
1,2-Dibromoethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>270</b>	4.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	200	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>105 %</i>	<i>70-130</i>						
<i>Surrogate: Toluene-d8</i>		<i>100 %</i>	<i>70-130</i>						

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

 Project: Tosco(1)  
 Project Number: Tosco #3292, San Leandro  
 Project Manager: Deanna Harding

 Reported:  
 05/28/02 14:01

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2050053 - EPA 5030B (P/T)**
**Blank (2050053-BLK1)**

Prepared &amp; Analyzed: 05/22/02

Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.5		"	10.0		105	70-130			

**LCS (2050053-BS1)**

Prepared &amp; Analyzed: 05/22/02

Benzene	9.09	0.50	ug/l	10.0		90.9	70-130			
Toluene	8.60	0.50	"	10.0		86.0	70-130			
Ethylbenzene	7.95	0.50	"	10.0		79.5	70-130			
Xylenes (total)	23.9	0.50	"	30.0		79.7	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.6		"	10.0		106	70-130			

**LCS (2050053-BS2)**

Prepared &amp; Analyzed: 05/22/02

Purgeable Hydrocarbons as Gasoline	235	50	ug/l	250		94.0	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.6		"	10.0		106	70-130			

**Matrix Spike (2050053-MS1)**

Source: L205040-06

Prepared &amp; Analyzed: 05/22/02

Purgeable Hydrocarbons as Gasoline	253	50	ug/l	250	ND	101	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.10		"	10.0		91.0	70-130			

**Matrix Spike Dup (2050053-MSD1)**

Source: L205040-06

Prepared &amp; Analyzed: 05/22/02

Purgeable Hydrocarbons as Gasoline	270	50	ug/l	250	ND	108	60-140	6.50	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.3		"	10.0		103	70-130			

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

 Project: Tosco(1)  
 Project Number: Tosco #3292, San Leandro  
 Project Manager: Deanna Harding

 Reported:  
 05/28/02 14:01

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2050056 - EPA 5030B (P/T)**
**Blank (2050056-BLK1)**

Prepared &amp; Analyzed: 05/23/02

Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							

<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.43		"	10.0		94.3	70-130			
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**LCS (2050056-BS1)**

Prepared &amp; Analyzed: 05/23/02

Benzene	9.15	0.50	ug/l	10.0		91.5	70-130			
Toluene	8.80	0.50	"	10.0		88.0	70-130			
Ethylbenzene	8.20	0.50	"	10.0		82.0	70-130			
Xylenes (total)	24.8	0.50	"	30.0		82.7	70-130			

<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.6		"	10.0		106	70-130			
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**LCS (2050056-BS2)**

Prepared &amp; Analyzed: 05/23/02

Purgeable Hydrocarbons as Gasoline	260	50	ug/l	250		104	70-130			
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.1		"	10.0		101	70-130			
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**Matrix Spike (2050056-MS1)**

Source: L205052-06

Prepared &amp; Analyzed: 05/23/02

Purgeable Hydrocarbons as Gasoline	294	50	ug/l	250	ND	118	60-140			
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.88		"	10.0		88.8	70-130			
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**Matrix Spike Dup (2050056-MSD1)**

Source: L205052-06

Prepared &amp; Analyzed: 05/23/02

Purgeable Hydrocarbons as Gasoline	294	50	ug/l	250	ND	118	60-140	0.00	25	
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.83		"	10.0		98.3	70-130			
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Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

 Project: Tosco(1)  
 Project Number: Tosco #3292, San Leandro  
 Project Manager: Deanna Harding

 Reported:  
 05/28/02 14:01

### Volatile Organic 8 Oxygenated Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2050060 - EPA 5030B [P/T]**
**Blank (2050060-BLK1)**

Prepared &amp; Analyzed: 05/24/02

Ethanol	ND	500	ug/l							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	100	"							
<hr/>										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.3		"	50.0		103	70-130			
<i>Surrogate: Toluene-d8</i>	50.5		"	50.0		101	70-130			

**Blank (2050060-BLK2)**

Prepared &amp; Analyzed: 05/28/02

Ethanol	ND	500	ug/l							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	100	"							
<hr/>										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.3		"	50.0		105	70-130			
<i>Surrogate: Toluene-d8</i>	51.1		"	50.0		102	70-130			

**LCS (2050060-BS1)**

Prepared &amp; Analyzed: 05/24/02

Methyl tert-butyl ether	48.1	2.0	ug/l	50.0		96.2	70-130			
<hr/>										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.9		"	50.0		102	70-130			
<i>Surrogate: Toluene-d8</i>	53.0		"	50.0		106	70-130			



Gettler-Ryan/Geostrategies(1)  
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Reported:  
05/28/02 14:01

**Volatile Organic 8 Oxygenated Compounds by EPA Method 8260B - Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2050060 - EPA 5030B [P/T]**

**LCS (2050060-BS2)**

Prepared & Analyzed: 05/28/02

Methyl tert-butyl ether	52.5	2.0	ug/l	50.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	49.9		"	50.0		99.8	70-130			
Surrogate: Toluene-d8	54.6		"	50.0		109	70-130			

**Matrix Spike (2050060-MS1)**

Source: L205079-02

Prepared & Analyzed: 05/24/02

Methyl tert-butyl ether	52.2	2.0	ug/l	50.0	ND	104	60-140			
Surrogate: 1,2-Dichloroethane-d4	50.3		"	50.0		101	70-130			
Surrogate: Toluene-d8	53.3		"	50.0		107	70-130			

**Matrix Spike Dup (2050060-MSD1)**

Source: L205079-02

Prepared & Analyzed: 05/24/02

Methyl tert-butyl ether	52.7	2.0	ug/l	50.0	ND	105	60-140	0.953	25	
Surrogate: 1,2-Dichloroethane-d4	50.2		"	50.0		100	70-130			
Surrogate: Toluene-d8	52.5		"	50.0		105	70-130			



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Project: Tosco(1)  
Project Number: Tosco #3292, San Leandro  
Project Manager: Deanna Harding

**Reported:**  
05/28/02 14:01

### Notes and Definitions

HT-04 This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.

P-02 Chromatogram Pattern: Weathered Gasoline C6-C12

P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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