



GETTLER-RYAN INC.

TRANSMITTAL

January 8, 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**

JAN 25 2002

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 28, 2001	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 16, 2001

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **January 22, 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.

December 28, 2001
G-R Job #180105

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

RE: Fourth Quarter Event of November 16, 2001
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).

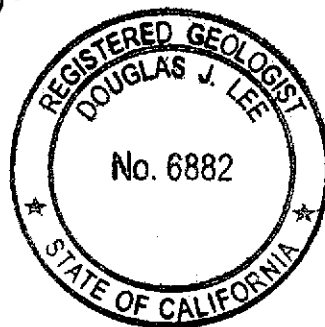
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations for the referenced site are summarized in Table 1 and Dissolved Oxygen Concentrations are summarized in Table 2. Joint Groundwater Monitoring Data from previous events are summarized in Tables 4 and 5. Oxygenate Compounds are presented in Table 3. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 3. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

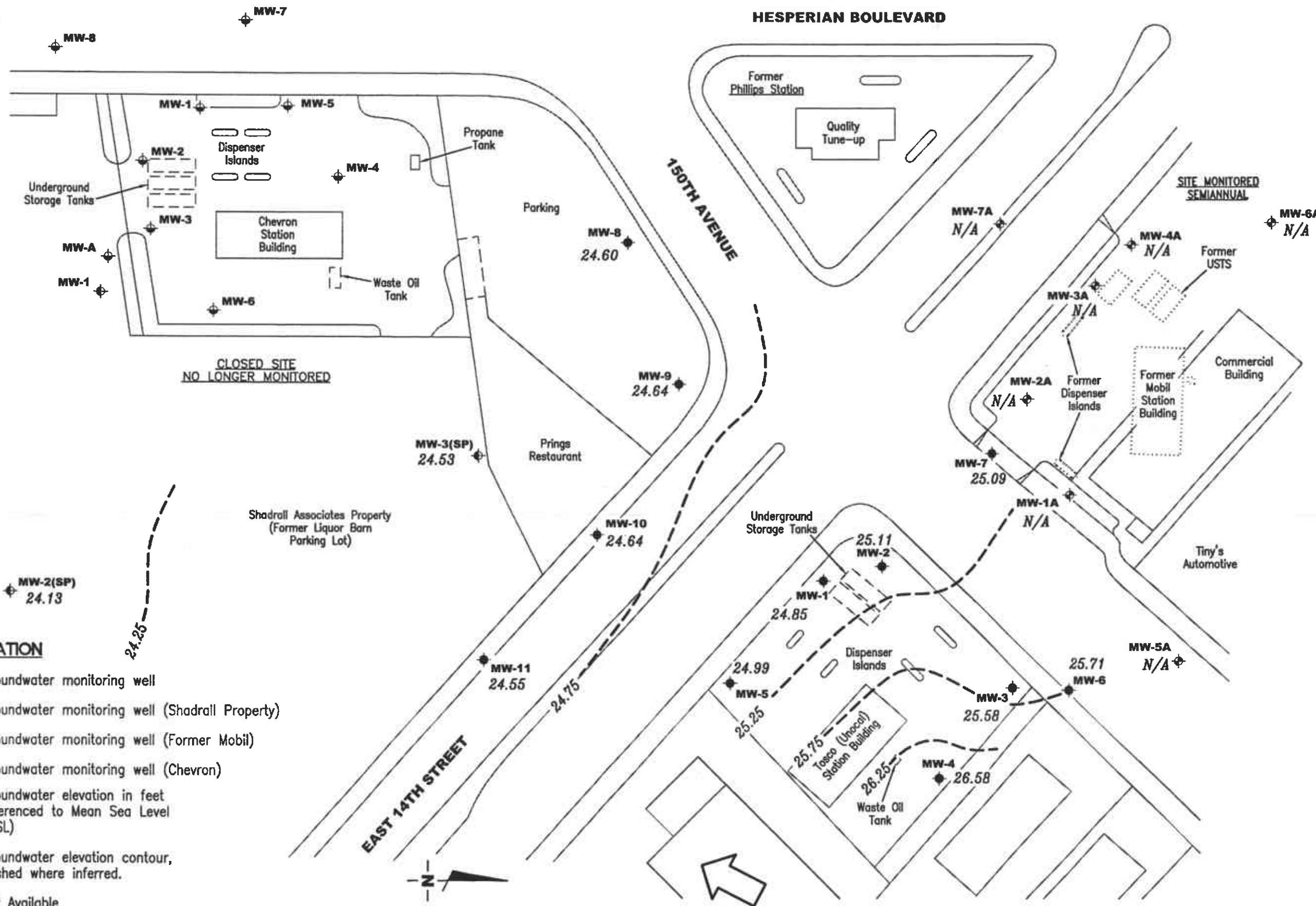
Deanna L. Harding
Project Coordinator

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



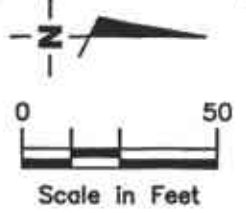
- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Dissolved Oxygen Concentrations
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Table 4: Joint Groundwater Monitoring Data - Former Mobil Facility
- 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



EXPLANATION

- ◆ Groundwater monitoring well
- ◆ Groundwater monitoring well (Shadrail Property)
- ◆ Groundwater monitoring well (Former Mobil)
- ◆ Groundwater monitoring well (Chevron)
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99- Groundwater elevation contour, dashed where inferred.
- N/A Not Available



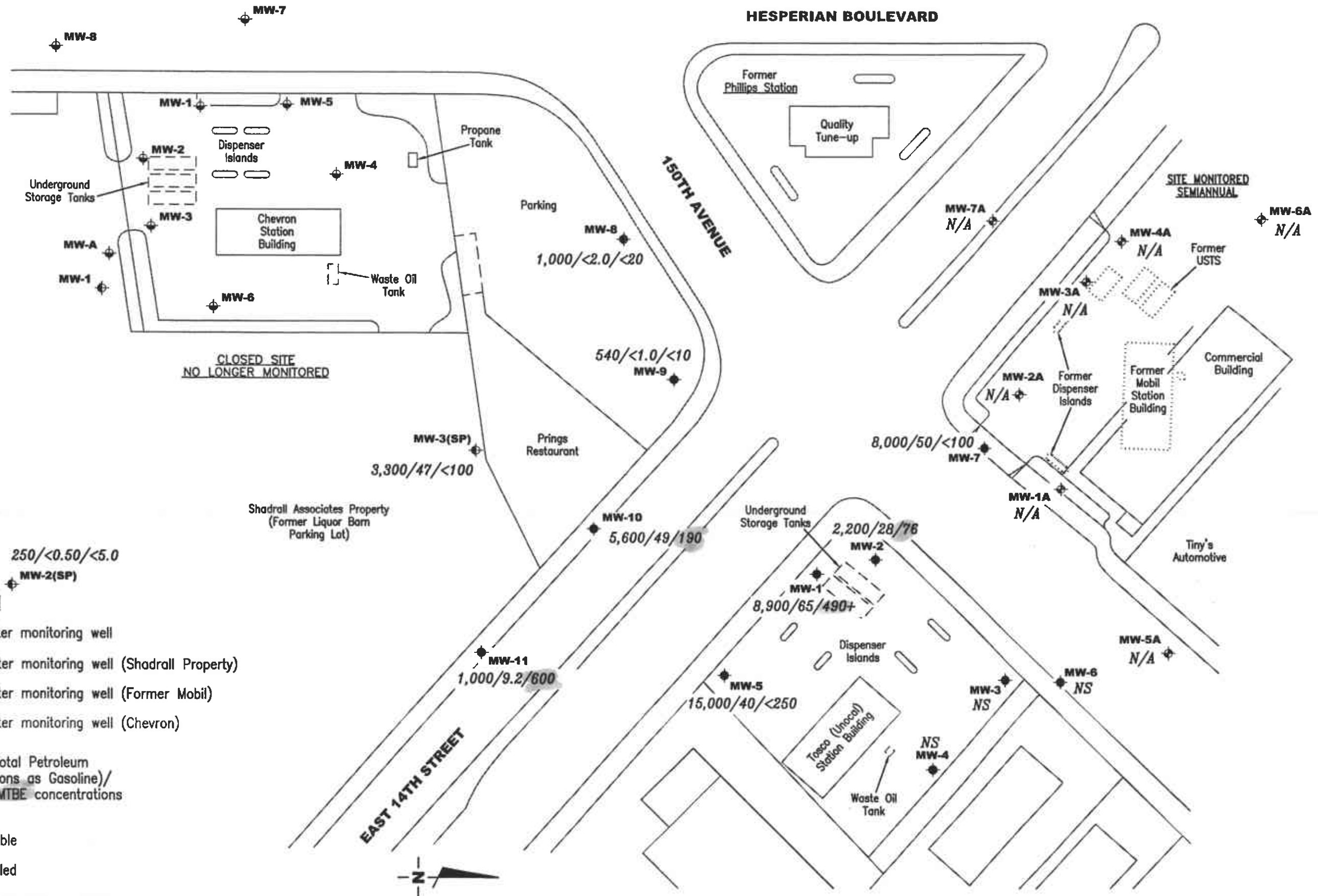
Approximate groundwater flow direction at a gradient of 0.002 to 0.01 Ft./Ft.

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

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
 FILE NAME: P:\Environ\Tosco\3292\001-3292.DWG | Layout Tab: Pot4
 REVIEWED BY
 DATE November 16, 2001
 REVISED DATE



EXPLANATION

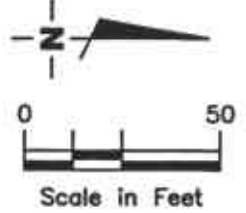
- ◆ Groundwater monitoring well
- ◆ Groundwater monitoring well (Shadrall Property)
- ◆ Groundwater monitoring well (Former Mobil)
- ◆ Groundwater monitoring well (Chevron)

A/B/C TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene/MTBE concentrations in ppb

N/A Not Available

NS Not Sampled

+ MTBE by EPA Method 8260



Source: Figures Modified From Drawing Provided By 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
 Dublin, CA 94568
 (925) 551-7555

DATE November 16, 2001
 REVISED DATE

JOB NUMBER 180105
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Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (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 ³		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 ⁴		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		

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WELL ID/ TOC*	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 ¹	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 ⁷	550	ND ⁷	1,900
36.34	05/15/98	7.62		28.72	5,600	57	ND ⁷	290	ND ⁷	1,500
	08/12/98	8.85		27.49	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	5,800
	11/12/98	9.71		26.63	ND ⁷	16	ND ⁷	ND ⁷	ND ⁷	12,000/13,000 ¹²
	03/01/99	7.85		28.49	5,700	43	ND ⁷	320	ND ⁷	5,000/9,600 ¹²
	05/12/99	8.70		27.64	ND ⁷	36	ND ⁷	ND ⁷	ND ⁷	12,000/21,000 ¹²
	08/11/99	9.81		26.53	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	5,760/8,650 ¹²
	11/04/99	10.72		25.62	1,640 ¹¹	11.0	ND ⁷	ND ⁷	ND ⁷	3,330/3,630 ¹⁸
	02/29/00	7.31		29.03	195 ¹⁹	ND	ND	ND	ND	580/657 ²⁰
	05/08/00	8.27		28.07	9,010 ¹⁷	60.5	ND ⁷	402	ND ⁷	2,260/1,780 ¹²
	08/08/00	9.85		26.49	2,060 ¹⁷	34.8	ND ⁷	38.7	ND ⁷	1,710/1,990 ¹⁸
	11/06/00	10.05		26.29	2,300 ¹¹	19.3	ND ⁷	4.37	ND ⁷	592
	02/07/01	9.64		26.70	2,700 ¹⁷	25	ND ⁷	38	ND ⁷	1,500/840 ¹²
	05/09/01	9.81		26.53	5,550 ¹¹	42.7	ND ⁷	48.4	ND ⁷	605/431 ¹⁸
	08/24/01	11.21		25.13	15,000 ¹¹	130	<20	170	<20	820
	11/16/01	11.49		24.85	8,900 ¹¹	65	<10	46	<10	640/490 ¹²
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	--	--	--	--	--	--
	10/12/92	14.19		22.70	--	--	--	--	--	--
	11/10/92	14.06		22.83	11,000	36	7.2	570	45	--

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WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	12/10/92	13.21	7.0-19.5	23.68	--	--	--	--	--	--
(cont)	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 ⁵	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 ⁷	7.3	ND ⁷	48
36.30	05/15/98	7.50		28.80	3,600	19	ND ⁷	33	ND ⁷	72
	08/12/98	8.82		27.48	3,100	44	6.1	15	5.7	270
	11/12/98	9.60		26.70	3,200 ¹³	44	ND ⁷	15	ND ⁷	180
	03/01/99	7.81		28.49	3,600	45	6.2	7.5	ND ⁷	570

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WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	05/12/99	8.65	7.0-19.5	27.65	3,100	65	ND ⁷	15	17	450
(cont)	08/11/99	9.95		26.35	3,260	33.6	ND ⁷	ND ⁷	ND ⁷	154
	11/04/99	10.78		25.52	3,160 ¹¹	38.9	7.10	ND ⁷	ND ⁷	120
	02/29/00	7.44		28.86	3,770 ¹¹	13.5	ND ⁷	12.0	ND ⁷	105
	05/08/00	8.42		27.88	3,840 ¹¹	ND ⁷	ND ⁷	9.54	ND ⁷	ND ⁷
	08/08/00	9.66		26.64	3,080 ¹¹	40.8	ND ⁷	ND ⁷	ND ⁷	149
	11/06/00	9.79		26.51	2,510 ¹¹	38.8	4.42	ND ⁷	ND ⁷	82.6
	02/07/01	9.43		26.87	9,300 ¹⁹	140	120	71	140	790
	05/09/01	9.65		26.65	3,300 ¹¹	37.9	ND ⁷	ND ⁷	ND ⁷	120
	08/24/01	11.06		25.24	3,100 ¹⁹	<5.0	<5.0	<5.0	<5.0	<50
	11/16/01	11.19		25.11	2,200 ¹¹	28	<5.0	<5.0	<5.0	76
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	--
	06/22/93	10.28		26.56	--	--	--	--	--	--
	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	--	--	--	--	--	--

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

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	11/23/93	11.78	7.0-22.5	24.64	2,300	34	ND	24	5.6	--
(cont)	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 ²	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 ⁸	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 ¹³	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	--	--	--	--	--	--
	02/07/01	9.81		26.61	--	--	--	--	--	--
	05/09/01	9.58		26.84	--	--	--	--	--	--
	08/24/01	11.12		25.30	--	--	--	--	--	--
	11/16/01	10.84		25.58	--	--	--	--	--	--

Table 1
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 Tosco (Unocal) Service Station #3292
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 San Leandro, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
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	--	
02/03/95		8.52		28.52	620	6.4	ND	9.3	ND	--	
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		

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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*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	02/10-11/97	8.45	7.0-19.5	28.59	ND	ND	ND	ND	ND	ND
(cont)	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	--	--	--	--	--	--
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	--	--	--	--	--	--

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

WELL ID/ TOC*	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH+G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	02/20/93	8.69	7.0-22.5	27.71	17,000	75	ND	1,000	620	--
(cont)	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
	02/10-11/97	7.63		28.31	15,000	46	29	1,400	4,100	ND
	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 ⁷	1,700	3,800	ND ⁷
35.92	05/15/98	7.40		28.52	30,000	ND ⁷	ND ⁷	2,200	4,900	ND ⁷
	08/12/98	8.69		27.23	24,000	100	ND ⁷	ND ⁷	3,400	1,000
	11/12/98	9.48		26.44	13,000 ¹³	65	ND ⁷	1,100	1,400	780
	03/01/99	7.54		28.38	29,000	75	ND ⁷	2,000	4,100	690
	05/12/99	8.48		27.44	19,000	110	ND ⁷	990	1,900	330
	08/11/99	9.74		26.18	24,300	ND ⁷	ND ⁷	1,540	1,740	ND ⁷

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

WELL ID/ TOC*	DATE	DTW (ft.)	SL (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	11/04/99	10.56	7.0-22.5	25.36	19,500 ¹⁷	37.1	ND ⁷	1,300	1,030	ND ⁷
(cont)	02/29/00	7.19		28.73	SAMPLED SEMI-ANNUALLY			--	--	--
	05/08/00	8.23		27.69	25,700 ¹¹	37.6	ND ⁷	2,020	3,500	ND ⁷
	08/08/00	9.51		26.41	--	--	--	--	--	--
	11/06/00	10.04		25.88	14,100 ¹¹	37.1	ND ⁷	1,250	497	ND ⁷
	02/07/01	9.23		26.69	--	--	--	--	--	--
	05/09/01	9.44		26.48	15,600 ¹¹	ND ⁷	ND ⁷	1,290	476	ND ⁷
	08/24/01	10.75		25.17	SAMPLED SEMI-ANNUALLY			--	--	--
	11/16/01	10.93		24.99	15,000 ¹¹	40	<25	1,100	54	<250
MW-6	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	--
	03/18/93	8.74		27.29	--	--	--	--	--	--
	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 ⁵	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	--

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WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	05/10/95	7.53	8.0-20.0	28.14	470	ND	0.65	1.4	0.67	--
(cont)	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
	08/11/99	9.53		26.15	ND	ND	ND	ND	ND	ND
	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	--	--	--	--	--	--
MW-7	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	--	--	--	--	--	--

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MW-7	11/10/92	13.54	11.0-21.5	22.86	1,800	74	ND	230	350	--
(cont)	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 ⁵	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	--
	11/23/94	10.69		25.40	10,000	220	ND	1,000	730	--
	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 ⁷	150	110	ND ⁷
36.06	05/15/98	6.98		29.08	1,300	ND ⁷	ND ⁷	69	64	88
	08/12/98	8.42		27.64	1,400	12	2.3	67	ND ⁷	30
	11/12/98	9.10		26.96	6,300 ¹³	63	ND ⁷	230	100	ND ⁷

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MW-7	03/01/99	7.14	11.0-21.5	28.92	1,000	24	ND ⁷	23	26	39
(cont)	05/12/99	8.07		27.99	4,700	79	ND ⁷	120	210	210
	08/11/99	9.44		26.62	4,700 ¹⁷	61.6	ND ⁷	58.2	23.6	187
	11/04/99	10.38		25.68	5,980 ¹¹	56.3	ND ⁷	44.5	21.2	194
	02/29/00	7.06		29.00	SAMPLED SEMI-ANNUALLY			--	--	--
	05/08/00	8.15		27.91	6,600 ¹¹	80.0	ND ⁷	99.6	66.5	ND ⁷
	08/08/00	9.21		26.85	--	--	--	--	--	--
	11/06/00	9.77		26.29	6,030 ¹¹	56.3	ND ⁷	156	63.1	281
	02/07/01	9.02		27.04	--	--	--	--	--	--
	05/09/01	9.38		26.68	7,460 ¹¹	45.0	ND ⁷	186	94.4	ND ⁷
	08/24/01	10.73		25.33	SAMPLED SEMI-ANNUALLY			--	--	--
	11/16/01	10.97		25.09	8,000 ¹¹	50	<10	61	18	<100
MW-8	05/19/92	--	8.0-19.0	--	5,300	28	3.3	2.6	2.1	--
	08/20/92	--		--	3,500 ¹	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 ¹	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	--

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MW-8	08/23/94	12.61	8.0-19.0	24.28	3,200	46	18	2.0	7.2	--
(cont)	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 ^b	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 ¹	26	3.4	ND	20	20
	08/05/97	11.26		25.63	590 ¹	9.8	ND	ND	ND	ND
	11/04/97	11.58		25.31	640	14	1.9	5.7	11	ND
	02/12/98	7.34		29.55	770 ⁸	20	3.0	ND ⁷	ND ⁷	ND ⁷
36.87	05/15/98	8.67		28.20	840 ⁸	10	ND ⁷	ND ⁷	3.1	ND ⁷
	08/12/98	9.78		27.09	240 ¹⁰	0.75	ND	ND	ND	ND
	11/12/98	10.62		26.25	300	14	2.0	ND ⁷	ND ⁷	ND ⁷
	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 ⁷	ND ⁷	ND ⁷	ND ⁷
	08/11/99	10.85		26.02	168	6.68	ND	0.544	ND	ND
	11/04/99	11.72		25.15	1,010 ¹¹	15.8	2.28	ND ⁷	ND ⁷	16.2
	02/29/00	8.25		28.62	SAMPLED SEMI-ANNUALLY			--	--	--
	05/08/00	9.21		27.66	199 ¹⁹	6.26	ND	ND	ND	ND
	08/08/00	10.35		26.52	--	--	--	--	--	--
	11/06/00	10.76		26.11	797 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	02/07/01	10.16		26.71	--	--	--	--	--	--
	05/09/01	10.62		26.25	695 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.97		24.90	SAMPLED SEMI-ANNUALLY			--	--	--
	11/16/01	12.27		24.60	1,000 ¹⁹	<2.0	<2.0	<2.0	<2.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
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WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	05/19/92	--	8.0-19.0	--	8,100	11	ND	25	5.8	--
	08/20/92	--		--	3,800 ¹	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	--
	06/22/93	10.62		26.30	--	--	--	--	--	--
	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 ¹	21	ND	ND	ND	33

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Groundwater Monitoring Data and Analytical Results
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WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (fl.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	11/04/97	11.05	8.0-19.0	25.24	730	11	ND	5.1	11	ND
(cont)	02/12/98	6.60		29.69	820 ⁸	23	3.2	ND ⁷	ND ⁷	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 ⁸	24	ND	ND	1.7	32
	05/12/99	9.04		27.23	930 ¹⁶	13	2.2	1.2	1.5	10
	08/11/99	10.25		26.02	1,120	19.7	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	11/04/99	11.10		25.17	756 ¹¹	14.2	1.94	ND ⁷	ND ⁷	22.8
	02/29/00	8.12		28.15	955 ¹⁹	22.9	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	05/08/00	9.09		27.18	895 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/08/00	10.08		26.19	630 ¹¹	18.2	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	11/06/00	10.52		25.75	712 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	02/07/01	9.78		26.49	750 ¹⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	66
	05/09/01	9.98		26.29	704 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.34		24.93	770 ¹⁹	<1.2	<1.2	<1.2	<1.2	<12
	11/16/01	11.63		24.64	540 ¹⁹	<1.0	<1.0	<1.0	<1.0	<10
MW-10	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	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
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WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	07/23/93	10.54	8.0-20.0	25.72	--	--	--	--	--	--
(cont)	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
	02/08/96	8.05		27.99	9,700	170	ND	440	ND	ND
	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 ⁷	91	ND ⁷	420
36.02	05/15/98	8.05		27.97	7,200	84	ND ⁷	84	ND ⁷	260
	08/12/98	9.27		26.75	7,500	6.9	11	47	ND ⁷	130
	11/12/98	10.03		25.99	4,200 ¹³	23	ND ⁷	24	ND ⁷	130
	03/01/99	8.56		27.46	5,900 ⁸	37	ND ⁷	50	26	300
	05/12/99	8.92		27.10	7,400 ¹⁶	37	ND ⁷	32	ND ⁷	170
	08/11/99	10.10		25.92	5,060	38.1	ND ⁷	12.9	ND ⁷	75.5
	11/04/99	11.03		24.99	6,190 ¹¹	76.7	8.01	13.4	ND ⁷	234
	02/29/00	9.67		26.35	7,120 ¹¹	27.8	ND ⁷	24.7	ND ⁷	208
	05/08/00	10.54		25.48	5,830 ¹¹	51.7	10.6	24.7	24.8	142
	08/08/00	10.92		25.10	5,010 ¹¹	50.6	ND ⁷	13.9	ND ⁷	113
	11/06/00	11.34		24.68	6,260 ¹¹	47.9	ND ⁷	12.5	ND ⁷	118

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Groundwater Monitoring Data and Analytical Results
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WELL ID/ TOC*	DATE	DTW (ft.)	S.L. (ft.lgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	02/07/01	10.75	8.0-20.0	25.27	4,800 ¹⁷	56	10	ND ⁷	ND ⁷	780
(cont)	05/09/01	9.84		26.18	6,810 ¹¹	52.4	ND ⁷	ND ⁷	ND ⁷	161
	08/24/01	11.16		24.86	5,600 ¹¹	56	<10	<10	<10	<100
	11/16/01	11.38		24.64	5,600 ¹¹	49	<10	<10	<10	190
MW-11	08/20/92	--	7.0-19.0	--	4,600 ¹	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	--
	12/10/92	12.24		23.59	--	--	--	--	--	--
	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 ⁶	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

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MW-11	08/09/96	9.46	7.0-19.0	26.04	1,100	42	ND	15	ND	4,300
(cont)	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 ⁷	ND ⁷	ND ⁷	1,400
35.50	05/15/98	7.73		27.77	1,200 ⁹	7.9	ND ⁷	30	ND ⁷	1,600
	08/12/98	8.85		26.65	1,600 ¹¹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	2,000
	11/12/98	9.52		25.98	1,700 ¹³	9.3	ND ⁷	ND ⁷	ND ⁷	1,700
	03/01/99	8.00		27.50	530	4.9	ND ⁷	ND ⁷	ND ⁷	870
	05/12/99	8.64		26.86	900	6.6	ND ⁷	ND ⁷	ND ⁷	840
	08/11/99	9.92		25.58	1,660	5.52	ND ⁷	ND ⁷	ND ⁷	764
	11/04/99	10.88		24.62	2,600 ¹¹	8.71	ND ⁷	2.76	ND ⁷	1,490
	02/29/00	7.56		27.94	420 ¹⁹	ND	ND	ND	ND	1,010
	05/08/00	8.50		27.00	513 ¹¹	3.56	ND ⁷	1.11	ND ⁷	1,320
	08/08/00	9.39		26.11	960 ¹¹	10.0	1.28	ND ⁷	ND ⁷	1,600
	11/06/00	9.81		25.69	3,000 ¹¹	17.7	ND ⁷	ND ⁷	ND ⁷	1,280/1,360 ¹²
	02/07/01	9.16		26.34	1,600 ¹⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	590
	05/09/01	9.51		25.99	1,010 ¹¹	11.4	ND ⁷	1.24	ND ⁷	586
	08/29/01	10.78		24.72	3,100 ¹¹	23	<5.0	<5.0	<5.0	840/870 ¹²
	11/16/01	10.95		24.55	1,000 ¹¹	9.2	<2.0	<2.0	<2.0	600
MW-2 (SP)										
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 ²	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

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MW-2 (SP)	02/12/98	7.71	11.0-21.0	27.73	440 ⁸	10	1.6	ND	0.69	13
(cont)	05/15/98	8.50		26.94	540 ⁸	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 ¹⁴	6.1	ND ⁷	ND ⁷	4.0	ND ⁷
	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 ¹¹	8.31	ND	ND	ND	7.81
	02/29/00	8.04		27.40	SAMPLED SEMI-ANNUALLY			--	--	--
	05/08/00	9.10		26.34	131 ¹⁹	ND	ND	ND	ND	ND/4.83 ¹²
	08/08/00	9.91		25.53	--	--	--	--	--	--
	11/06/00	10.20		25.24	183 ¹⁹	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 ¹⁹	<0.50	<0.50	<0.50	<0.50	<5.0
MW-3 (SP)										
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 ⁷	ND ⁷	ND ⁷	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 ⁷	ND
	11/12/98	9.81		26.01	1,800 ¹⁵	37	2.8	ND ⁷	ND ⁷	55
	03/01/99	8.27		27.55	2,900 ⁸	12	3.6	ND ⁷	ND ⁷	110
	05/12/99	8.92		26.90	4,100 ¹⁶	34	ND ⁷	ND ⁷	ND ⁷	45

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MW-3 (SP)	08/11/99	9.59	11.0-21.0	26.23	3,220	22.8	ND ⁷	ND ⁷	ND ⁷	50.8
(cont)	11/04/99	10.86		24.96	2,460 ¹¹	26.6	ND ⁷	ND ⁷	ND ⁷	52.1
	02/29/00	7.92		27.90	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	9.07		26.75	1,080 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	⁷ ND/ND ¹²
	08/08/00	9.86		25.96	--	--	--	--	--	--
	11/06/00	10.12		25.70	3,100 ¹¹	35.0	ND ⁷	ND ⁷	ND ⁷	95.7
	02/07/01	9.65		26.17	--	--	--	--	--	--
	05/09/01	9.79		26.03	3,350 ¹¹	34.0	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.09		24.73	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/16/01	11.29		24.53	3,300 ¹¹	47	<10	<10	<10	<100
Trip Blank										
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

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) = Shadrill 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

EXPLANATIONS: (cont)

- ¹⁸ MTBE by EPA Method 8260 analyzed past EPA recommended holding time.
- ¹⁹ Laboratory report indicates unidentified hydrocarbons C6-C12.
- ²⁰ 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	--	
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	--
	05/08/00	--	2.14	--
	08/08/00	--	2.57	--

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)	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	--
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	--	
MW-5	11/02/95	3.00	2.30	--
	02/08/96	--	2.35	--

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-5	05/08/96	--	--	1.29
(cont)	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	--
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	--
MW-7	11/02/95	--	--	--
	02/08/96	--	2.67	--
	05/08/96	--	--	2.20

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	08/09/96	--	2.37	--
(cont)	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	--
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	--
	05/08/00	--	3.97	--
	08/08/00	--	3.59	--
	11/06/00	--	3.71	--
	02/07/01	--	3.19	--
	05/09/01	--	3.59	--

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-8	08/24/01	--	2.67	--
(cont)	11/16/01	--	2.64	--
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	--
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
	08/05/97	--	--	2.78
	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	--

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	08/11/99	--	3.21	--
(cont)	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	--
 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	--
	11/16/01	--	2.17	--
 MW-2 (SP) ¹	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	--

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 (SP) ¹	11/12/98	--	4.19	--
(cont)	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	--
MW-3 (SP) ¹	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	--
	02/07/01	--	2.61	--
	05/09/01	--	2.36	--
	08/24/01	--	1.98	--
	11/16/01	--	2.29	--

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

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.

¹ 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 ¹	ND ¹	1,780	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	08/08/00	--	--	1,990 ²	--	--	--	--	--
	02/07/01	--	--	840	--	--	--	--	--
	05/09/01 ²	ND ¹	ND ¹	431	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	11/16/01	<2,500	380	490	<5.0	<5.0	<5.0	<5.0	<5.0
MW-11	08/24/01	<5,000	<500	870	<10	<10	<10	<10	<10
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

¹ Raised detection limit. Refer to analytical reports.
² 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)
MW-1A 36.63	02/12/98	5.52	31.11
	08/12/98	8.80	27.83
MW-2A 36.62	02/12/98	5.59	31.03
	08/12/98	8.85	27.77
MW-3A 36.93	02/12/98	5.72	31.21
	08/12/98	9.05	27.88
MW-4A 37.18	02/12/98	5.90	31.28
	08/12/98	9.21	27.97
MW-5A 35.91	02/12/98	5.32	30.59
	08/12/98	8.19	27.72
MW-6A 37.10	02/12/98	5.52	31.58
	08/12/98	8.91	28.19
MW-7A 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

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

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 # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-1 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth 18.92 ft
 Depth to Water 11.49 ft

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

7.43 X VF 0.17 = 1.26 X 3 (case volume) = Estimated Purge Volume: 4 (gal.)

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

Starting Time: 7:45 Weather Conditions: Rain
 Sampling Time: 8:11 A.M. (0811) Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}^\circ\text{K}$	Temperature $^\circ\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>7:53</u>	<u>1.5</u>	<u>7.17</u>	<u>3.65</u>	<u>65.8</u>	<u>2.56</u>		
<u>7:57</u>	<u>3</u>	<u>7.23</u>	<u>3.62</u>	<u>66.1</u>			
<u>8:01</u>	<u>4</u>	<u>7.19</u>	<u>3.64</u>	<u>66.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3Yot</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPNH, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-2 Well Condition: OK

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

Total Depth 19.05 ft
 Depth to Water 11.19 ft

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

7.86 X VF 0.17 = 1.34 X 3 (case volume) = Estimated Purge Volume: 4 (gal.)

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

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

Starting Time: 6:55 Weather Conditions: Rain
 Sampling Time: 7:30 A.M. (0730) Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>7:07</u>	<u>1.5</u>	<u>7.27</u>	<u>3.90</u>	<u>65.2</u>	<u>2.34</u>		
<u>7:10</u>	<u>3</u>	<u>7.31</u>	<u>4.15</u>	<u>65.1</u>			
<u>7:13</u>	<u>4</u>	<u>7.33</u>	<u>4.12</u>	<u>65.1</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3Y04</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-3 Well Condition: OK

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

Total Depth 22.10 ft.
 Depth to Water 10.84 ft.

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

0.17 X VF = 0.17 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: _____ Weather Conditions: Rain
 Sampling Time: _____ Water Color: clear Odor: _____
 Purging Flow Rate: _____ gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

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

LABORATORY INFORMATION

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

COMMENTS: M. only

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-4 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth 19.60 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 10.46 ft. Factor (VF) 6" = 1.50 12" = 5.80

0.17 X VF 0.17 = 0.0289 X 3 (case volume) = Estimated Purge Volume: 0.0289 (gal.)

Purge Equipment: Disposable Bailer, Stack, Suction, Grundfos, Other: _____
 Sampling Equipment: Disposable Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: _____ Weather Conditions: Rain
 Sampling Time: _____ Water Color: clear Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

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

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3Y04</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: M. only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-5 Well Condition: OK
 Well Diameter 2 in Hydrocarbon Amount Bailed
 Thickness: 0 in (product/water): 0 (gal.)
 Total Depth 22.04 ft
 Depth to Water 10.93 ft

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

11.11 X VF 0.17 = 1.89 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: 8:25 Weather Conditions: Rain
 Sampling Time: 8:55 A.M. (0855) Water Color: clear Odor: yes
 Purging Flow Rate: 2.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>8:38</u>	<u>2</u>	<u>6.89</u>	<u>2.96</u>	<u>65.4</u>	<u>1.89</u>		
<u>8:41</u>	<u>4</u>	<u>6.95</u>	<u>2.90</u>	<u>65.3</u>			
<u>8:44</u>	<u>6</u>	<u>7.04</u>	<u>2.91</u>	<u>65.5</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3vol</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-6 Well Condition: O.K.
 Well Diameter 2 in Hydrocarbon Thickness: 0 in Amount Bailed (product/water): 0 (gal)
 Total Depth 22.10 ft
 Depth to Water 9.97 ft

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

0.17 X VF 0.17 = 0.0289 X 3 (case volume) = Estimated Purge Volume: 0.0867 (gal)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: _____
 Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: _____ Weather Conditions: Rain
 Sampling Time: _____ Water Color: clear Odor: _____
 Purging Flow Rate: _____ gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal)

Time	Volume (gal)	pH	Conductivity $\mu\text{mhos/cm} \times 10^2$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-</u>	<u>3Y0A</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: Miscaly

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # 3292
 Address: 15008 E. 14th St.
 City: San Leandro, CA.

Job#: 180105
 Date: 11-16-01
 Sampler: Joe

Well ID MW-7

Well Condition: OK

Well Diameter 2 in.

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

Total Depth 22.05 ft.

Depth to Water 10.97 ft.

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

11.08 x VF 0.17 = 1.88 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: 9:22
 Sampling Time: 9:46 A.M. (0946)
 Purging Flow Rate: 0.5 gpm
 Did well de-water? _____

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

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 10^2$	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>9:30</u>	<u>2</u>	<u>7.10</u>	<u>2.61</u>	<u>66.1</u>	<u>1.92</u>		
<u>9:33</u>	<u>4</u>	<u>7.14</u>	<u>2.57</u>	<u>65.9</u>			
<u>9:38</u>	<u>6</u>	<u>7.12</u>	<u>2.58</u>	<u>66.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 Vol</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID: MW-8 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth: 19.03 ft. Volume 2' = 0.17 3' = 0.38 4' = 0.66
 Depth to Water: 12.27 ft. Factor (VF) 6' = 1.50 12' = 5.80

6.76 x VF 0.17 = 1.15 x 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

Purge Equipment: Disposable Bailer Sampling Equipment: Disposable Bailer
 Stack
 Suction
 Grundfos
 Other: _____

Starting Time: 10:02 Weather Conditions: Rain
 Sampling Time: 10:33 A.M. (1033) Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm K	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>10:15</u>	<u>1</u>	<u>7.31</u>	<u>4.61</u>	<u>66.2</u>	<u>2.64</u>		
<u>10:18</u>	<u>2</u>	<u>7.26</u>	<u>4.62</u>	<u>66.1</u>			
<u>10:22</u>	<u>3.5</u>	<u>7.34</u>	<u>4.65</u>	<u>66.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3 Vol</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3292 Job#: 180105
 Address: 15008 E-14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-9 Well Condition: OK
 Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth 19.05 ft
 Depth to Water 11.63 ft

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

7.42 x VF 0.17 = 1.26 x 3 (case volume) = Estimated Purge Volume: 4 (gal.)

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

Starting Time: 11:00 Weather Conditions: Rain
 Sampling Time: 11:30 AM (1130) Water Color: clear Odor: Some
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}^\circ\text{K}$	Temperature $^\circ\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:10</u>	<u>1.5</u>	<u>7.40</u>	<u>4.95</u>	<u>65.8</u>	<u>2.48</u>		
<u>11:14</u>	<u>3</u>	<u>7.36</u>	<u>4.92</u>	<u>65.7</u>			
<u>11:18</u>	<u>4</u>	<u>7.41</u>	<u>4.93</u>	<u>65.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3Yok</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-10 Well Condition: O.K.
 Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth 19.78 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water 11.38 ft. Factor (VF) 6" = 1.50 12" = 5.80

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

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

Starting Time: 12:00 Weather Conditions: Rain
 Sampling Time: 12:30 P.M. (1230) Water Color: clear Odor: yes
 Purging Flow Rate: 0.1 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 10^2$	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:07</u>	<u>1.5</u>	<u>7.41</u>	<u>3.98</u>	<u>65.4</u>	<u>2.27</u>		
<u>12:10</u>	<u>3</u>	<u>7.25</u>	<u>4.02</u>	<u>65.6</u>			
<u>12:14</u>	<u>4.5</u>	<u>7.16</u>	<u>3.93</u>	<u>65.7</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>3Y04</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Company # 3292
 Address: 15008 E. 14th St.
 City: San Leandro, CA.

Job#: 180105
 Date: 11-16-01
 Sampler: Joe

Well ID: MW-11 Well Condition: O.K.
 Well Diameter: 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)
 Total Depth: 18.90 ft.
 Depth to Water: 10.95 ft.

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

7.95 X VF 0.17 = 1.35 X 3 (case volume) = Estimated Purge Volume: 4 (gal.)

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

Starting Time: 12:45 Weather Conditions: Rain
 Sampling Time: 1:15 P.M. (1315) Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm X	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:00</u>	<u>1.5</u>	<u>7.01</u>	<u>2.31</u>	<u>65.9</u>	<u>2.17</u>		
<u>1:05</u>	<u>3</u>	<u>6.94</u>	<u>2.32</u>	<u>66.0</u>			
<u>1:09</u>	<u>4</u>	<u>6.92</u>	<u>2.35</u>	<u>66.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>3Yot</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility # 3292 Job #: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA. Sampler: Joe

Well ID MW-2(SP) Well Condition: o.k.
 Well Diameter 2 in Hydrocarbon Thickness: 0 in Amount Bailed (product/water): 0 (gal.)
 Total Depth 20.83 ft
 Depth to Water 11.31 ft

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

9.52 x VF 0.17 = 1.62 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: 1:33 Weather Conditions: Rain
 Sampling Time: 2:02 P.M. (1402) Water Color: clear Odor: None
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 10^2$	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:43</u>	<u>1.5</u>	<u>7.43</u>	<u>6.21</u>	<u>65.9</u>	<u>4.05</u>		
<u>1:48</u>	<u>3.5</u>	<u>7.50</u>	<u>6.31</u>	<u>65.8</u>			
<u>1:52</u>	<u>5</u>	<u>7.55</u>	<u>6.38</u>	<u>65.5</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2(SP)</u>	<u>3V04</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 3292 Job#: 180105
 Address: 15008 E. 14th St. Date: 11-16-01
 City: San Leandro, CA Sampler: Joe

Well ID MW-3(SP) Well Condition: OK

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

Total Depth 20.64 ft
 Depth to Water 11.29 ft

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

9.35 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: 2:14 Weather Conditions: Rain
 Sampling Time: 2:40 P.M. (1440) Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm K}$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>2:22</u>	<u>1.5</u>	<u>7.10</u>	<u>3.14</u>	<u>66.2</u>	<u>2.29</u>		
<u>2:26</u>	<u>3</u>	<u>7.17</u>	<u>3.16</u>	<u>65.9</u>			
<u>2:30</u>	<u>5</u>	<u>7.12</u>	<u>3.17</u>	<u>65.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3(SP)</u>	<u>3YOA</u>	<u>Y</u>	<u>HCL</u>	<u>Seq.</u>	<u>TPHG, BTEX, MTBE</u>

COMMENTS: _____

Chain-of-Custody-Record

GLOBAL ID#



Tosco Marketing Company
2000 Cross Country Pl., Ste. 402
San Ramon, California 94583

Facility Number TOSCO #3292
 Facility Address 15008 East 14th St., San Leandro, CA
 Consultant Project Number 180105.85
 Consultant Name Gatler-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 Saguoa Analytical
 Laboratory Release Number _____
 Samples Collected by (Name) JOE AJEMIAN
 Collection Date 11-16-01
 Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iod (Yes or No)	Analyses To Be Performed										DO NOT BILL TB-LB ANALYSIS Run 8 Oxy's by 8260 on Highest 8020 MTBE Hit. Remarks			
								TPH (8010)	TPH (8015)	Oil and Grease (8020)	Petroleum Hydrocarbons (8010)	Petroleum Aromatics (8020)	Petroleum Organics (8020)	Extractable Organics (8020)	Metals Cd, Cr, Pb, Zn, Ni (8020 or AA)						
TB-LB	01	1	W	G	-	HCL	Y	✓													
MW-1	02	3	W/A		0811			✓													
MW-2	03	1			0730			✓													
MW-5	04	1			0855			✓													
MW-7	05	1			0946			✓													
MW-8	06	1			1033			✓													
MW-9	07	1			1130			✓													
MW-10	08	1			1230			✓													
MW-11	09	1			1315			✓													
MW-2(SP)	10	1			1402			✓													
MW-3(SP)	11	1			1400			✓													

Relinquished By (Signature) <u>[Signature]</u>	Organization G-R Inc.	Date/Time 11-16-01	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time 11/16/01	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
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**

1551 Industrial Road
San Carlos, CA 94070
(650) 232-9600
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www.sequoialabs.com

4 December, 2001

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

RE: Tosco(1)
Sequoia Report: L111117

Enclosed are the results of analyses for samples received by the laboratory on 11/16/01 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt
Project Manager

CA ELAP Certificate #2360



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

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

Reported:
12/04/01 12:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	L111117-01	Water	11/16/01 00:00	11/16/01 16:00
MW-1	L111117-02	Water	11/16/01 08:11	11/16/01 16:00
MW-2	L111117-03	Water	11/16/01 07:30	11/16/01 16:00
MW-5	L111117-04	Water	11/16/01 08:55	11/16/01 16:00
MW-7	L111117-05	Water	11/16/01 09:46	11/16/01 16:00
MW-8	L111117-06	Water	11/16/01 10:33	11/16/01 16:00
MW-9	L111117-07	Water	11/16/01 11:30	11/16/01 16:00
MW-10	L111117-08	Water	11/16/01 12:30	11/16/01 16:00
MW-11	L111117-09	Water	11/16/01 13:15	11/16/01 16:00
MW-2 (SP)	L111117-10	Water	11/16/01 14:02	11/16/01 16:00
MW-3 (SP)	L111117-11	Water	11/16/01 14:40	11/16/01 16:00

Sequoia Analytical - San Carlos

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

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

Reported:
12/04/01 12:44

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
TB-LB (L111117-01) Water Sampled: 11/16/01 00:00 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	1110094	11/27/01	11/28/01	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>		92.5 %	70-130		"	"	"	"	
MW-1 (L111117-02) Water Sampled: 11/16/01 08:11 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	8900	1000	ug/l	20	1110099	11/28/01	11/28/01	EPA 8021B	P-02
Benzene	65	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	46	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	640	100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		83.9 %	70-130		"	"	"	"	
MW-2 (L111117-03) Water Sampled: 11/16/01 07:30 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	2200	500	ug/l	10	1110095	11/27/01	11/28/01	EPA 8021B	P-02
Benzene	28	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	76	50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %	70-130		"	"	"	"	

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

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

 Reported:
 12/04/01 12:44

**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
MW-5 (L111117-04) Water Sampled: 11/16/01 08:55 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	15000	2500	ug/l	50	1110095	11/27/01	11/28/01	EPA 8021B	P-02
Benzene	40	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	1100	25	"	"	"	"	"	"	
Xylenes (total)	54	25	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	70-130		"	"	"	"	
MW-7 (L111117-05) Water Sampled: 11/16/01 09:46 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	8000	1000	ug/l	20	1110099	11/28/01	11/28/01	EPA 8021B	P-02
Benzene	50	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	61	10	"	"	"	"	"	"	
Xylenes (total)	18	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.5 %	70-130		"	"	"	"	
MW-8 (L111117-06) Water Sampled: 11/16/01 10:33 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	1000	200	ug/l	4	1110099	11/28/01	11/28/01	EPA 8021B	P-03
Benzene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		125 %	70-130		"	"	"	"	



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

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

Reported:
12/04/01 12:44

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
MW-9 (L111117-07) Water Sampled: 11/16/01 11:30 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	540	100	ug/l	2	1110098	11/28/01	11/28/01	EPA 8021B	P-03
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		154 %	70-130		"	"	"	"	S-04
MW-10 (L111117-08) Water Sampled: 11/16/01 12:30 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	5600	1000	ug/l	20	1110094	11/27/01	11/28/01	EPA 8021B	P-02
Benzene	49	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	190	100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		105 %	70-130		"	"	"	"	
MW-11 (L111117-09) Water Sampled: 11/16/01 13:15 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	1000	200	ug/l	4	1110098	11/28/01	11/28/01	EPA 8021B	P-02
Benzene	9.2	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	600	20	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	70-130		"	"	"	"	

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

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

 Reported:
 12/04/01 12:44

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
MW-2 (SP) (L111117-10) Water Sampled: 11/16/01 14:02 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	250	50	ug/l	1	1110098	11/28/01	11/28/01	EPA 8021B	P-03
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>		148 %	70-130		"	"	"	"	S-04
MW-3 (SP) (L111117-11) Water Sampled: 11/16/01 14:40 Received: 11/16/01 16:00									
Purgeable Hydrocarbons as Gasoline	3300	1000	ug/l	20	1110098	11/28/01	11/28/01	EPA 8021B	P-02
Benzene	47	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		82.2 %	70-130		"	"	"	"	



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

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

Reported:
12/04/01 12:44

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (L111117-02) Water Sampled: 11/16/01 08:11 Received: 11/16/01 16:00									
Ethanol	ND	2500	ug/l	5	1110104	11/29/01	11/29/01	EPA 8260B	
1,2-Dibromoethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	490	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Tert-butyl alcohol	380	100	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %		70-130	"	"	"	"	

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

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

 Reported:
 12/04/01 12:44

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 1110094 - EPA 5030B (P/T)
Blank (1110094-BLK1)

Prepared & Analyzed: 11/27/01

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>	9.68		"	10.0		96.8	70-130			

LCS (1110094-BS1)

Prepared & Analyzed: 11/27/01

Benzene	11.5	0.50	ug/l	10.0		115	70-130			
Toluene	11.3	0.50	"	10.0		113	70-130			
Ethylbenzene	11.3	0.50	"	10.0		113	70-130			
Xylenes (total)	33.9	0.50	"	30.0		113	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.14		"	10.0		91.4	70-130			

LCS (1110094-BS2)

Prepared & Analyzed: 11/27/01

Purgeable Hydrocarbons as Gasoline	256	50	ug/l	250		102	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.1		"	10.0		101	70-130			

Matrix Spike (1110094-MS1)

Source: L111105-06

Prepared & Analyzed: 11/27/01

Benzene	11.4	0.50	ug/l	10.0	2.6	88.0	60-140			
Toluene	9.41	0.50	"	10.0	0.58	88.3	60-140			
Ethylbenzene	9.55	0.50	"	10.0	ND	95.5	60-140			
Xylenes (total)	27.7	0.50	"	30.0	ND	92.3	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.79		"	10.0		97.9	70-130			

Matrix Spike Dup (1110094-MSD1)

Source: L111105-06

Prepared & Analyzed: 11/27/01

Benzene	11.6	0.50	ug/l	10.0	2.6	90.0	60-140	1.74	25	
Toluene	9.21	0.50	"	10.0	0.58	86.3	60-140	2.15	25	
Ethylbenzene	9.25	0.50	"	10.0	ND	92.5	60-140	3.19	25	
Xylenes (total)	26.8	0.50	"	30.0	ND	89.3	60-140	3.30	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.8		"	10.0		108	70-130			

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

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

 Reported:
 12/04/01 12:44

**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 1110095 - EPA 5030B (P/T)
Blank (1110095-BLK1)

Prepared & Analyzed: 11/27/01

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>	9.62		"	10.0		96.2	70-130			

LCS (1110095-BS1)

Prepared & Analyzed: 11/27/01

Benzene	9.25	0.50	ug/l	10.0		92.5	70-130			
Toluene	8.35	0.50	"	10.0		83.5	70-130			
Ethylbenzene	7.98	0.50	"	10.0		79.8	70-130			
Xylenes (total)	23.7	0.50	"	30.0		79.0	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.04		"	10.0		90.4	70-130			

LCS (1110095-BS2)

Prepared & Analyzed: 11/27/01

Purgeable Hydrocarbons as Gasoline	269	50	ug/l	250		108	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.76		"	10.0		97.6	70-130			

Matrix Spike (1110095-MS1)

Source: L111111-09

Prepared & Analyzed: 11/27/01

Benzene	10.2	0.50	ug/l	10.0	ND	102	60-140			
Toluene	8.84	0.50	"	10.0	ND	88.4	60-140			
Ethylbenzene	8.72	0.50	"	10.0	ND	87.2	60-140			
Xylenes (total)	25.6	0.50	"	30.0	ND	85.3	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.37		"	10.0		83.7	70-130			

Matrix Spike Dup (1110095-MSD1)

Source: L111111-09

Prepared & Analyzed: 11/27/01

Benzene	10.6	0.50	ug/l	10.0	ND	106	60-140	3.85	25	
Toluene	9.24	0.50	"	10.0	ND	92.4	60-140	4.42	25	
Ethylbenzene	9.08	0.50	"	10.0	ND	90.8	60-140	4.04	25	
Xylenes (total)	26.6	0.50	"	30.0	ND	88.7	60-140	3.83	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.02		"	10.0		90.2	70-130			

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

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

 Reported:
 12/04/01 12:44

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 1110098 - EPA 5030B (P/T)
Blank (1110098-BLK1)

Prepared & Analyzed: 11/28/01

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>	8.82		"	10.0		88.2	70-130			

LCS (1110098-BS1)

Prepared & Analyzed: 11/28/01

Benzene	9.48	0.50	ug/l	10.0		94.8	70-130			
Toluene	9.42	0.50	"	10.0		94.2	70-130			
Ethylbenzene	9.33	0.50	"	10.0		93.3	70-130			
Xylenes (total)	28.3	0.50	"	30.0		94.3	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.96		"	10.0		89.6	70-130			

LCS (1110098-BS2)

Prepared & Analyzed: 11/28/01

Purgeable Hydrocarbons as Gasoline	256	50	ug/l	250		102	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.7		"	10.0		107	70-130			

Matrix Spike (1110098-MS1)

Source: L111118-05

Prepared: 11/28/01 Analyzed: 11/29/01

Purgeable Hydrocarbons as Gasoline	260	50	ug/l	250	ND	104	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.4		"	10.0		104	70-130			

Matrix Spike Dup (1110098-MSD1)

Source: L111118-05

Prepared: 11/28/01 Analyzed: 11/29/01

Purgeable Hydrocarbons as Gasoline	264	50	ug/l	250	ND	106	60-140	1.53	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.93		"	10.0		99.3	70-130			

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

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

 Reported:
 12/04/01 12:44

**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 1110099 - EPA 5030B (P/T)
Blank (1110099-BLK1)

Prepared & Analyzed: 11/28/01

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>	10.3		"	10.0		103	70-130			

LCS (1110099-BS1)

Prepared & Analyzed: 11/28/01

Benzene	10.2	0.50	ug/l	10.0		102	70-130			
Toluene	9.16	0.50	"	10.0		91.6	70-130			
Ethylbenzene	8.93	0.50	"	10.0		89.3	70-130			
Xylenes (total)	26.6	0.50	"	30.0		88.7	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	8.21		"	10.0		82.1	70-130			

LCS (1110099-BS2)

Prepared & Analyzed: 11/28/01

Purgeable Hydrocarbons as Gasoline	287	50	ug/l	250		115	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.75		"	10.0		97.5	70-130			

Matrix Spike (1110099-MS1)

Source: L111118-02

Prepared: 11/28/01 Analyzed: 11/29/01

Purgeable Hydrocarbons as Gasoline	315	50	ug/l	250	ND	126	60-140			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.80		"	10.0		98.0	70-130			

Matrix Spike Dup (1110099-MSD1)

Source: L111118-02

Prepared: 11/28/01 Analyzed: 11/29/01

Purgeable Hydrocarbons as Gasoline	312	50	ug/l	250	ND	125	60-140	0.957	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9.75		"	10.0		97.5	70-130			

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

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

 Reported:
 12/04/01 12:44

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 1110104 - EPA 5030B [P/T]
Blank (1110104-BLK1)

Prepared & Analyzed: 11/29/01

Ethanol	ND	500	ug/l							
1,2-Dibromoethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Tert-butyl alcohol	ND	20	"							

Surrogate: 1,2-Dichloroethane-d4

25.1

"

25.0

100

70-130

Surrogate: Toluene-d8

23.8

"

25.0

95.2

70-130

Blank (1110104-BLK2)

Prepared & Analyzed: 11/30/01

Ethanol	ND	500	ug/l							
1,2-Dibromoethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Tert-butyl alcohol	ND	20	"							

Surrogate: 1,2-Dichloroethane-d4

24.1

"

25.0

96.4

70-130

Surrogate: Toluene-d8

24.8

"

25.0

99.2

70-130

LCS (1110104-BS1)

Prepared & Analyzed: 11/29/01

Methyl tert-butyl ether	50.7	1.0	ug/l	50.0		101	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	27.2		"	25.0		109	70-130			
<i>Surrogate: Toluene-d8</i>	24.7		"	25.0		98.8	70-130			



Gettler-Ryan/Geostrategies(1)
6745 Sierra Court, Suite J
Dublin CA, 94568

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

Reported:
12/04/01 12:44

**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
Batch 1110104 - EPA 5030B [P/T]										
LCS (1110104-BS2) Prepared & Analyzed: 11/30/01										
Methyl tert-butyl ether	51.5	1.0	ug/l	50.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.6		"	25.0		102	70-130			
Surrogate: Toluene-d8	24.7		"	25.0		98.8	70-130			
Matrix Spike (1110104-MS1) Source: L111145-13 Prepared & Analyzed: 11/29/01										
Methyl tert-butyl ether	29.7	1.0	ug/l	25.0	5.0	98.8	60-140			
Surrogate: 1,2-Dichloroethane-d4	25.6		"	25.0		102	70-130			
Surrogate: Toluene-d8	25.3		"	25.0		101	70-130			
Matrix Spike Dup (1110104-MSD1) Source: L111145-13 Prepared & Analyzed: 11/29/01										
Methyl tert-butyl ether	33.0	1.0	ug/l	25.0	5.0	112	60-140	12.5	25	
Surrogate: 1,2-Dichloroethane-d4	26.1		"	25.0		104	70-130			
Surrogate: Toluene-d8	24.4		"	25.0		97.6	70-130			



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Dublin CA, 94568

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

Reported:
12/04/01 12:44

Notes and Definitions

- 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