



GETTLER-RYAN INC.

RO-366

TRANSMITTAL

October 22, 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. David Vossler
Gettler-Ryan Inc.
Petaluma, California

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

Alameda County
NOV 07 2002
Environmental Health

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

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 4, 2002	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 26, 2002

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by *November 4, 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.

October 4, 2002
G-R Job #180105

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

RE: Third Quarter Event of August 26, 2002
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

Dear Mr. De Witt:

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

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

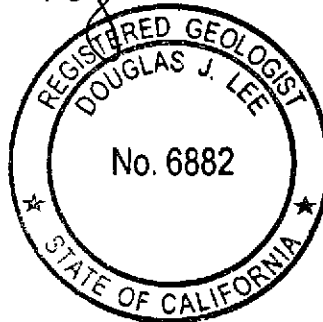
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. A Concentration Map is included as Figure 2. The chain of custody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

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

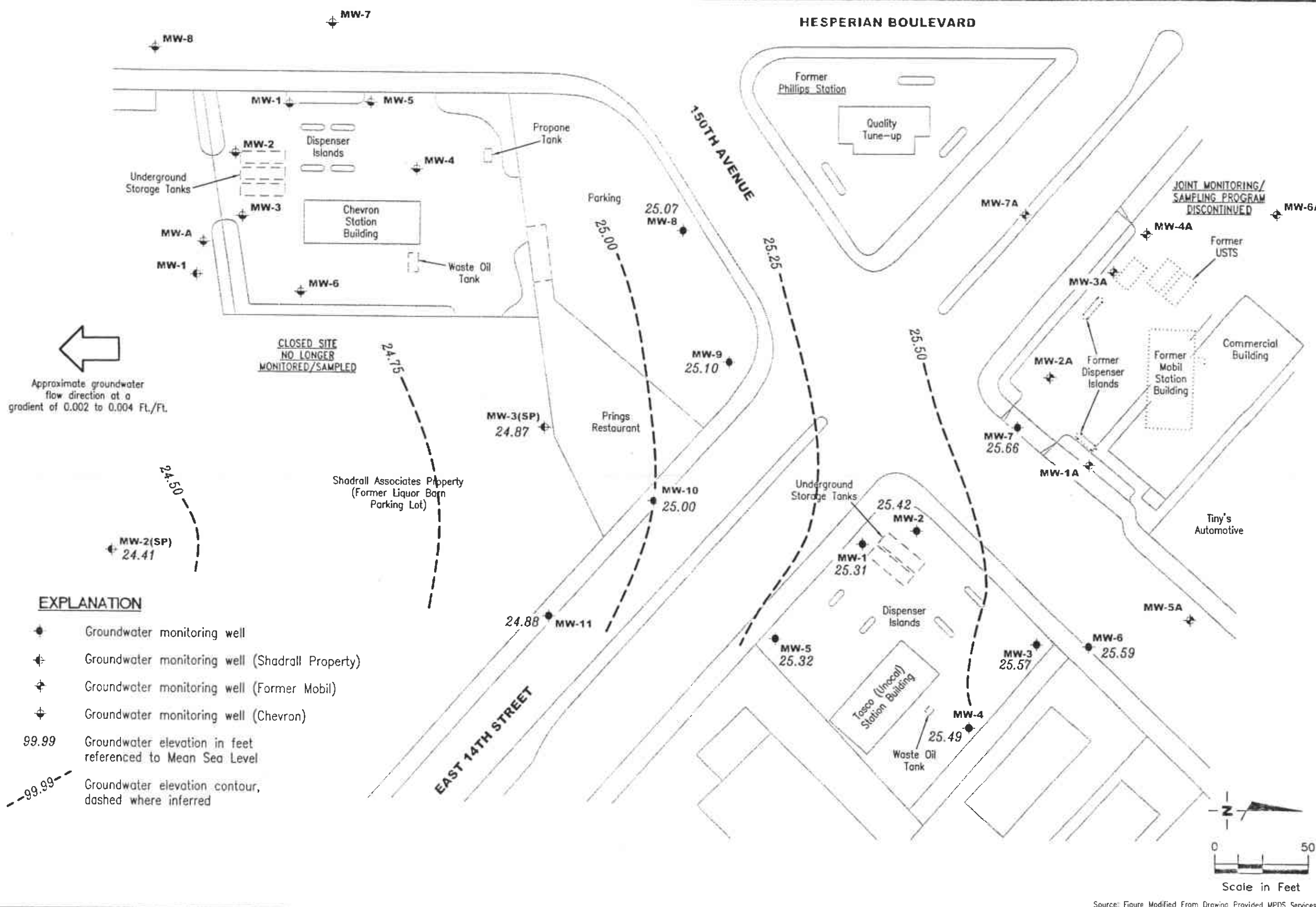
Sincerely,

Deanna L. Harding
Project Coordinator

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



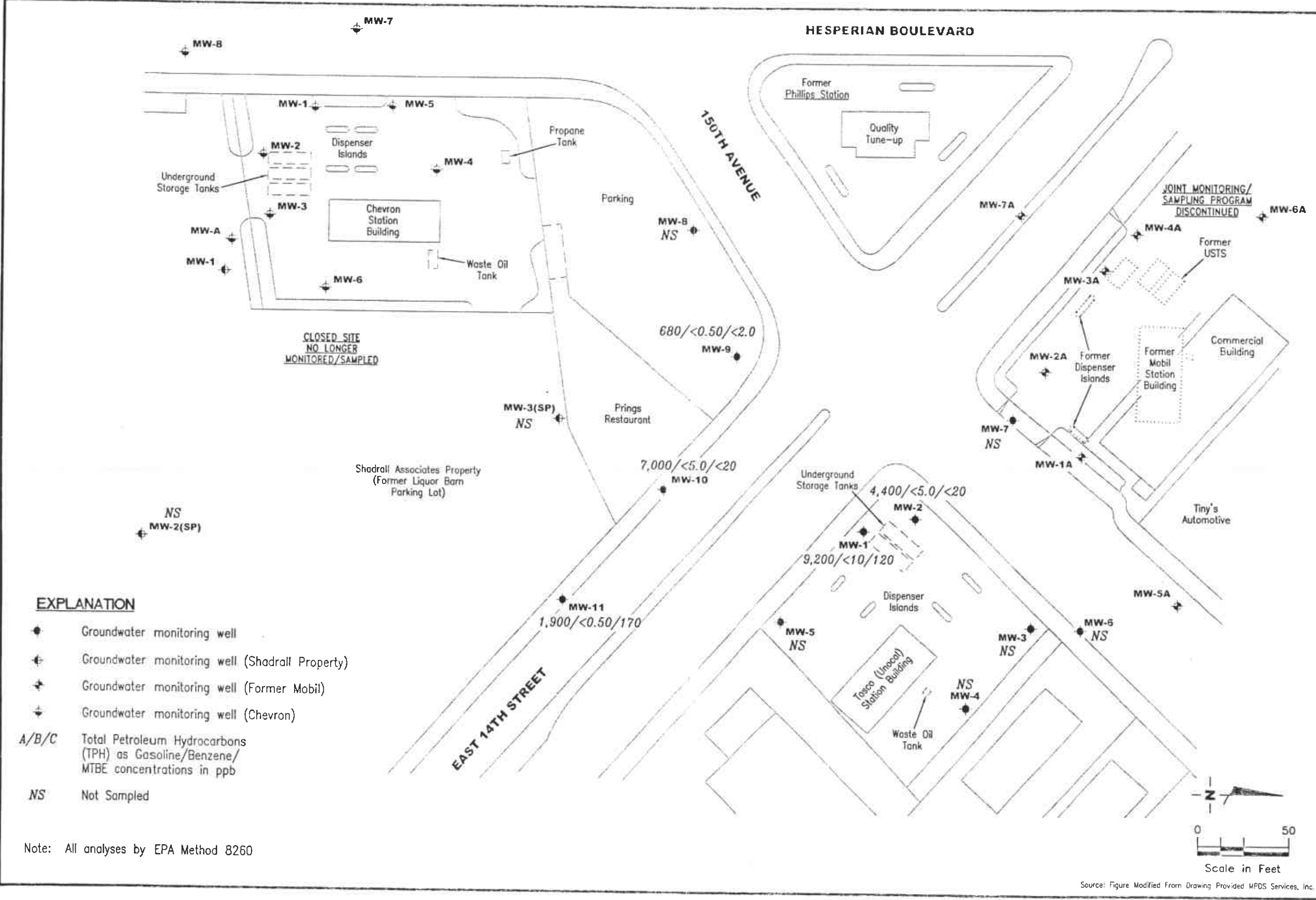
- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Dissolved Oxygen Concentrations
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Table 4: Joint Groundwater Monitoring Data - Former Mobil Facility
-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



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

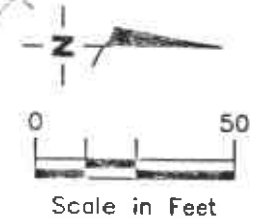
Source: Figure Modified From Drawing Provided MPDS Services, Inc.



EXPLANATION

- ◆ Groundwater monitoring well
- ◀ Groundwater monitoring well (Shadrall Property)
- ✦ Groundwater monitoring well (Former Mobil)
- ⬇ Groundwater monitoring well (Chevron)
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb
- NS Not Sampled

Note: All analyses by EPA Method 8260



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

JOB NUMBER: 180105
 FILE NAME: P:\ROBIN\002-3292.DWG | Layout Tab: Con3
 REVIEWED BY: [Signature]
 DATE: August 26, 2002
 REVISED DATE:

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

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.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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 Tosco (Unocal) Service Station #3292
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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (ppb)	R (ppb)	T (ppb)	E (ppb)	X (ppb)	MTRE (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
	02/21/02	8.93		27.41	7,400 ¹¹	73	<10	100	<10	400/170 ¹²
	05/10/02	9.82		26.52	6,000 ¹¹	67	6.7	58	<5.0	<50
	08/26/02²¹	11.03		25.31	9,200	<10	<10	62	<20	120
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	--

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	05/19/92	--	7.0-19.5	--	17,000	140	87	680	170	--
(cont)	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	--
	12/10/92	13.21		23.68	--	--	--	--	--	--
	01/15/93	10.12		26.77	--	--	--	--	--	--
	02/20/93	9.07		27.82	1,500	2.9	3.8	9.1	ND	--
	03/18/93	9.55		27.34	--	--	--	--	--	--
	04/20/93	9.19		27.70	--	--	--	--	--	--
	05/21/93	9.84		27.05	9,500	37	ND	470	62	--
	06/22/93	10.37		26.52	--	--	--	--	--	--
	07/23/93	10.83		26.06	--	--	--	--	--	--
	08/23/93	11.30		25.59	15,000	110	ND	590	64	--
36.34	09/24/93	11.14		25.20	--	--	--	--	--	--
	11/23/93	11.69		24.65	11,000	80	10	480	20	--
	02/24/94 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

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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (pph)	B (pph)	T (pph)	E (pph)	X (pph)	MTBE (pph)
MW-2	11/04/97	10.65	7.0-19.5	25.69	1,200	16	ND	11	25	53
(cont)	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
	05/12/99	8.65		27.65	3,100	65	ND ⁷	15	17	450
	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
	02/21/02	8.73		27.57	2,700 ¹¹	33	<5.0	<5.0	<5.0	100
	05/10/02	9.71		26.59	2,300 ¹¹	30	<5.0	<5.0	<5.0	<50
	08/26/02 ²¹	10.88		25.42	4,400	<5.0	<5.0	<5.0	<10	<20
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	--	--	--	--	--	--

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.l.bgs)	GWE (mst)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	01/15/93	10.07	7.0-22.5	26.77	--	--	--	--	--	--
(cont)	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	--	--	--	--	--	--
	11/23/93	11.78		24.64	2,300	34	ND	24	5.6	--
	02/24/94	9.21		27.21	3,400	46	ND	53	11	--
	05/25/94	10.34		26.08	1,400	20	ND	ND	ND	--
	08/23/94	11.88		24.54	2,900	37	49	14	2.9	--
	11/23/94	10.98		25.44	3,200	48	ND	22	ND	--
	02/03/95	7.82		28.60	780	13	ND	2.1	ND	--
	05/10/95	8.38		28.04	1,300	ND	ND	ND	ND	--
	08/02/95	9.49		26.93	1,500	6.3	ND	16	2.1	--
	11/02/95	11.00		25.42	1,100	5.2	2.1	7.4	0.5	15
	02/08/96	7.41		29.01	450	ND	ND	ND	ND	ND
	05/08/96	8.20		28.22	590	ND	11	10	ND	ND
	08/09/96	9.53		26.89	ND	ND	ND	ND	ND	ND
	11/07/96	10.96		25.46	140	1.2	ND	ND	ND	5.6
	02/10-11/97	7.71		28.71	89	1.8	ND	ND	ND	ND
	05/07/97	9.17		27.25	52 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

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	08/11/99	10.18	7.0-22.5	26.24	ND	ND	ND	ND	ND	ND
(cont)	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	--	--	--	--	--	--
	02/21/02	8.68		27.74	--	--	--	--	--	--
	05/10/02	9.71		26.71	--	--	--	--	--	--
	08/26/02	10.85		25.57	--	--	--	--	--	--
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	--	--	--	--	--	--

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (pph)	B (pph)	T (pph)	E (pph)	X (pph)	MTBE (pph)
MW-4	07/23/93	11.38	7.0-19.5	26.02	--	--	--	--	--	--
(cont)	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
	02/10-11/97	8.45		28.59	ND	ND	ND	ND	ND	ND
	05/07/97	9.85		27.19	ND	ND	ND	ND	ND	ND
	08/05/97	11.04		26.00	50	0.76	ND	ND	ND	ND
	11/04/97	11.46		25.58	ND	ND	ND	ND	ND	ND
	02/12/98	5.75		31.29	ND	ND	ND	ND	ND	ND
37.04	05/15/98	7.28		29.76	ND	ND	ND	ND	ND	ND
	08/12/98	9.85		27.19	ND	ND	ND	ND	ND	ND
	11/12/98	10.28		26.76	ND	ND	ND	ND	ND	ND
	03/01/99	8.51		28.53	ND	ND	ND	ND	ND	ND
	05/12/99	9.32		27.72	ND	ND	ND	ND	ND	ND
	08/11/99	10.65		26.39	ND	ND	ND	ND	ND	ND
	11/04/99	11.48		25.56	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED		--	--	--	--	--	--	--
	08/08/00	10.67		26.37	--	--	--	--	--	--
	11/06/00	10.56		26.48	--	--	--	--	--	--
	02/07/01	10.40		26.64	--	--	--	--	--	--

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-4 (cont)	05/09/01	9.16	7.0-19.5	27.88	--	--	--	--	--	--	
	08/24/01	11.80		25.24	--	--	--	--	--	--	
	11/16/01	10.46		26.58	--	--	--	--	--	--	
	02/21/02	9.37		27.67	--	--	--	--	--	--	
	05/10/02	10.41		26.63	--	--	--	--	--	--	
	08/26/02	11.55		25.49	--	--	--	--	--	--	
MW-5	05/04/91	--	7.0-22.5	--	69,000	1,400	2,500	3,500	15,000	--	
	09/19/91	--		--	57,000	1,600	2,700	5,200	20,000	--	
	12/18/91	--		--	31,000	1,600	3,100	4,800	19,000	--	
	03/17/92	--		--	81,000	850	1,600	4,800	18,000	--	
	05/19/92	--		--	84,000	760	1,500	4,000	17,000	--	
	08/20/92	--		--	58,000	660	1,700	4,200	19,000	--	
	36.40	09/16/92		13.37	23.03	--	--	--	--	--	--
	10/12/92	13.75		22.65	--	--	--	--	--	--	
	11/10/92	13.68		22.72	57,000	800	1,800	4,400	18,000	--	
	12/10/92	12.58		23.82	--	--	--	--	--	--	
	01/15/93	9.71		26.69	--	--	--	--	--	--	
	02/20/93	8.69		27.71	17,000	75	ND	1,000	620	--	
	03/18/93	9.16		27.24	--	--	--	--	--	--	
	04/20/93	8.88		27.52	--	--	--	--	--	--	
	05/21/93	9.56		26.84	55,000	ND	160	3,500	12,000	--	
	06/22/93	10.05		26.35	--	--	--	--	--	--	
	07/23/93	10.53		25.87	--	--	--	--	--	--	
	08/23/93	10.98		25.42	61,000	340	380	3,600	14,000	--	
	35.94	09/24/93		10.94	25.00	--	--	--	--	--	--
	11/23/93	11.45		24.49	46,000	290	310	4,100	15,000	--	
02/24/94	9.02	26.92	57,000	140	400	4,400	16,000	--			
05/25/94	10.03	25.91	53,000	ND	ND	4,000	14,000	--			
08/23/94	11.57	24.37	61,000	360	380	4,800	17,000	--			
11/23/94	10.71	25.23	46,000	230	260	3,900	14,000	--			

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5 (cont)	02/03/95	7.69	7.0-22.5	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
35.92	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	
	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	
	11/04/99	10.56	25.36	19,500 ¹⁷	37.1	ND ⁷	1,300	1,030	ND ⁷	
	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	
	02/21/02	8.52	27.40	--	--	--	--	--	--	
	05/10/02	9.47	26.45	23,000 ¹¹	86	<25	1,500	450	<250	
08/26/02	10.60	25.32	SAMPLED SEMI-ANNUALLY			--	--	--	--	

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-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	--
	05/10/95	7.53		28.14	470	ND	0.65	1.4	0.67	--
	08/02/95	8.68		26.99	360	3.2	ND	1.6	ND	--
	11/02/95	10.20		25.47	470	ND	0.92	0.89	0.58	5.5
	02/08/96	6.66		29.01	450	3.1	ND	1.1	0.68	ND
	05/08/96	7.40		28.27	ND	ND	ND	ND	ND	ND
	08/09/96	8.72		26.95	ND	ND	ND	ND	ND	ND
	11/07/96	10.12		25.55	ND	ND	ND	ND	ND	ND
	02/10-11/97	6.88		28.79	ND	ND	ND	ND	ND	ND
	05/07/97	8.32		27.35	ND	ND	1.1	ND	ND	ND
	08/05/97	9.64		26.03	55	0.79	ND	ND	ND	ND

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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (pph)	B (pph)	T (pph)	E (pph)	X (pph)	MTBE (pph)
MW-6	11/04/97	10.30	8.0-20.0	25.37	ND	ND	ND	ND	ND	ND
(cont)	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	--	--	--	--	--	--
	02/21/02	7.86		27.82	--	--	--	--	--	--
	05/10/02	8.93		26.75	--	--	--	--	--	--
	08/26/02	10.09		25.59	--	--	--	--	--	--
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	--	--	--	--	--	--
	11/10/92	13.54		22.86	1,800	74	ND	230	350	--
	12/10/92	12.52		23.88	--	--	--	--	--	--
	01/15/93	9.59		26.81	--	--	--	--	--	--
	02/20/93	8.55		27.85	1,800	37	4.6	11	7.7	--
	03/18/93	8.98		27.42	--	--	--	--	--	--
	04/20/93	8.52		27.88	--	--	--	--	--	--
	05/21/93	9.16		27.24	22,000	330	37	2,100	2,900	--

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 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	R (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	06/22/93	9.66	11.0-21.5	26.74	--	--	--	--	--	--
(cont)	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
	03/01/99	7.14		28.92	1,000	24	ND ⁷	23	26	39
	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	--	--	--	--	--	--

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	11/06/00	9.77	11.0-21.5	26.29	6,030 ¹¹	56.3	ND ⁷	156	63.1	281
(cont)	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
	02/21/02	8.60		27.46	--	--	--	--	--	--
	05/10/02	9.28		26.78	7,100 ¹¹	<5.0	<5.0	140	63	<50
	08/26/02	10.40		25.66	SAMPLED SEMI-ANNUALLY			--	--	--
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	--
	08/23/94	12.61		24.28	3,200	46	18	2.0	7.2	--
	11/23/94	11.98		24.91	1,700	34	ND	ND	3.1	--
	02/03/95	9.16		27.73	800	6.1	ND	ND	ND	--
	05/10/95	9.35		27.54	1,400	15	1.5	0.65	0.84	--

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (pph)	B (pph)	T (pph)	E (pph)	X (pph)	MTBE (pph)
MW-8	08/02/95	10.40	8.0-19.0	26.49	690	8.3	1.9	ND	ND	--
(cont)	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 ⁶	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	<20
	02/21/02	10.03		26.84	--	--	--	--	--	--
	05/10/02	10.63		26.24	400 ¹⁹	<0.50	0.78	<0.50	<0.50	<5.0
	08/26/02	11.80		25.07	SAMPLED SEMI-ANNUALLY			--	--	--

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

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

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	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
	02/21/02	9.35		26.92	380 ¹⁹	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	10.00		26.27	300 ¹⁹	<0.50	0.67	<0.50	<0.50	<5.0
	08/26/02 ²¹	11.17		25.10	680	<0.50	<0.50	<0.50	<1.0	<2.0
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	--

Table 1
Groundwater Monitoring Data and Analytical Results
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 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (pph)	B (pph)	T (pph)	E (pph)	X (pph)	MTBE (pph)
MW-10	06/22/93	10.12	8.0-20.0	26.14	--	--	--	--	--	--
(cont)	07/23/93	10.54		25.72	--	--	--	--	--	--
	08/23/93	10.99		25.27	20,000	230	13	3,200	140	--
36.04	09/24/93	11.17		24.87	--	--	--	--	--	--
	11/23/93	11.67		24.37	18,000	300	10	2,800	110	--
	02/24/94	9.57		26.47	15,000	330	19	2,000	83	--
	05/25/94	10.32		25.72	14,000	240	ND	230	62	--
	08/23/94	11.81		24.23	16,000	250	41	1,800	74	--
	11/23/94	11.10		24.94	16,000	260	ND	1,600	49	--
	02/03/95	8.32		27.72	17,000	310	ND	1,500	93	--
	05/10/95	8.70		27.34	12,000	260	16	1,200	54	--
	08/02/95	9.55		26.49	8,900	240	ND	780	40	--
	11/02/95	11.03		25.01	9,300	190	ND	470	1.7	110
	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

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 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-10 (cont)	11/06/00	11.34	8.0-20.0	24.68	6,260 ¹¹	47.9	ND ⁷	12.5	ND ⁷	118	
	02/07/01	10.75		25.27	4,800 ¹⁷	56	10	ND ⁷	ND ⁷	780	
	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	
	02/21/02	9.20		26.82	5,000 ¹¹	38	<5.0	8.5	<5.0	140	
	05/10/02	9.87		26.15	5,300 ¹¹	57	6.3	8.2	<5.0	<50	
	08/26/02²¹	11.02		25.00	7,000	<5.0	<5.0	5.4	<10	<20	
MW-11 35.83	08/20/92	--	7.0-19.0	--	4,600 ¹	62	ND	ND	54	--	
	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	--			

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MW-11	11/02/95	10.85	7.0-19.0	24.65	6,100	150	ND	78	6.8	6,200
(cont)	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
	08/09/96	9.46		26.04	1,100	42	ND	15	ND	4,300
	11/07/96	10.58		24.92	2,900	57	ND	13	ND	3,400
	02/10-11/97	7.88		27.62	600	9.5	ND	ND	ND	3,100
	05/07/97	9.07		26.43	1,900	45	ND	31	ND	2,400
	08/05/97	10.23		25.27	2,100	35	ND	24	ND	1,800
	11/04/97	10.51		24.99	98	1.6	ND	ND	ND	ND
	02/12/98	6.59		28.91	670	12	ND 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
	02/21/02	8.85		26.65	1,100 ¹¹	7.4	<2.5	<2.5	<2.5	270
	05/10/02	9.51		25.99	910 ¹¹	7.4	1.4	2.8	<12	330/270 ¹⁸
	08/26/02 ²¹	10.62		24.88	1,900	<0.50	<0.50	0.87	<1.0	170

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 San Leandro, California

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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
	02/12/98	7.71		27.73	440 ⁸	10	1.6	ND	0.69	13
	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
	02/21/02	9.55		25.89	--	--	--	--	--	--
	05/10/02	10.01		25.43	180 ¹⁹	<0.50	<0.50	<0.50	0.71	10
	08/26/02	11.03		24.41	SAMPLED SEMI-ANNUALLY			--	--	--

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)		
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	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			
08/11/99		9.59	26.23	3,220	22.8	ND ⁷	ND ⁷	ND ⁷	50.8			
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			
02/21/02		9.19	26.63	--	--	--	--	--	--			
05/10/02		9.84	25.98	4,700 ¹¹	55	<5.0	<5.0	<5.0	140			
08/26/02	10.95	24.87	SAMPLED SEMI-ANNUALLY			--	--	--				

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

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
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
	02/21/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	08/26/02 ²¹	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

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 (ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline	ND = Not Detected
DTW = Depth to Water	B = Benzene	-- = Not Measured/Not Analyzed
S.I. = Screen Interval	T = Toluene	(SP) = Shadrall Property wells
(ft.bgs) = Feet Below Ground Surface	E = Ethylbenzene	QA = Quality Assurance
GWE = Groundwater Elevation	X = Xylenes	
(msl) = Mean sea level	MTBE = Methyl tertiary butyl ether	
	(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.
- ²¹ TPH-G, BTEX and MTBE by EPA Method 8260.

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

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-1	11/02/95	1.80	2.83	--
	02/08/96	--	2.58	--
	05/08/96	--	--	1.92
	08/09/96	--	2.14	--
	11/07/96	--	2.11	2.18
	02/11/97	--	--	2.05
	08/05/97	--	--	1.88
	11/04/97	--	--	2.67
	02/12/98	--	2.38	--
	05/15/98	--	2.12	--
	08/12/98	--	1.77	--
	11/12/98	--	1.55	--
	03/01/99	--	1.77	--
	05/12/99	--	1.86	--
	08/11/99	--	1.93	--
	11/04/99	--	2.10	--
	02/29/00	--	2.88	--
	05/08/00	--	3.11	--
	08/08/00	--	3.27	--
	11/06/00	--	3.67	--
	02/07/01	--	3.62	--
	05/09/01	--	3.29	--
	08/24/01	--	1.97	--
11/16/01	--	2.56	--	
02/21/02	--	1.84	--	
05/10/02	--	0.70	--	
08/26/02	--	0.90	--	
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	--

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	02/29/00	--	2.41	--
(cont)	05/08/00	--	2.14	--
	08/08/00	--	2.57	--
	11/06/00	--	1.94	--
	02/07/01	--	2.49	--
	05/09/01	--	2.66	--
	08/24/01	--	2.11	--
	11/16/01	--	2.34	--
	02/21/02	--	1.90	--
	05/10/02	--	0.80	--
	08/26/02	--	1.00	--
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	--

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-4 (cont)	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	--
	05/08/96	--	--	1.29
	08/09/96	--	2.19	--
	11/07/96	--	1.84	1.82
	02/10/97	--	--	2.07
	08/05/97	--	--	2.36
	11/04/97	--	--	1.99
	02/12/98	--	1.79	--
	05/15/98	--	1.66	--
	08/12/98	--	1.71	--
	11/12/98	--	1.81	--
	03/01/99	--	1.67	--
	05/12/99	--	1.73	--
	08/11/99	--	1.83	--
	11/04/99	--	1.77	--
	02/29/00	--	2.23	--
	05/08/00	--	2.58	--
	08/08/00	--	2.19	--
	11/06/00	--	1.85	--
	02/07/01	--	2.36	--
	05/09/01	--	2.18	--
	08/24/01	--	1.28	--
11/16/01	--	1.89	--	
02/21/02	--	1.45	--	
05/10/02	--	0.50	--	
08/26/02	--	--	0.60	--
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	--

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-6 (cont)	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
	08/09/96	--	2.37	--
	11/07/96	--	2.22	2.28
	02/11/97	--	--	2.33
	08/05/97	--	--	2.69
	11/04/97	--	--	2.82
	02/12/98	--	3.24	--
	05/15/98	--	2.95	--
	08/12/98	--	3.19	--
	11/12/98	--	2.04	--
	03/01/99	--	2.64	--
	05/12/99	--	3.05	--
	08/11/99	--	2.69	--
	11/04/99	--	2.47	--
	02/29/00	--	2.31	--
	05/08/00	--	2.16	--
	08/08/00	--	1.88	--
	11/06/00	--	1.96	--
	02/07/01	--	2.08	--
	05/09/01	--	1.81	--
	08/24/01	--	1.53	--
	11/16/01	--	1.92	--
	02/21/02	--	1.79	--
05/10/02	--	0.70	--	
08/26/02	--	0.80	--	
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

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 (cont)	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	--
	08/24/01	--	2.67	--
	11/16/01	--	2.64	--
	02/21/02	--	2.88	--
	05/10/02	--	0.70	--
	08/26/02	--	1.00	--
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	--	

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-9	02/21/02	--	2.80	--
(cont)	05/10/02	--	0.60	--
	08/26/02	--	0.80	--
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	--
	08/11/99	--	3.21	--
	11/04/99	--	3.12	--
	02/29/00	--	2.97	--
	05/08/00	--	2.63	--
	08/08/00	--	2.73	--
	11/06/00	--	3.10	--
	02/07/01	--	3.05	--
	05/09/01	--	3.38	--
	08/24/01	--	1.74	--
	11/16/01	--	2.27	--
	02/21/02	--	2.07	--
	05/10/02	--	0.60	--
	08/26/02	--	0.90	--
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	--

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

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-11	11/12/98	--	1.67	--
(cont)	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	--
	02/21/02	--	2.72	--
	05/10/02	--	0.50	--
	08/26/02	--	0.70	--
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	--
	11/12/98	--	4.19	--
	03/01/99	--	4.56	--
	05/12/99	--	3.92	--
	08/11/99	--	4.19	--
	11/04/99	--	3.85	--
	02/29/00	--	3.21	--
	05/08/00	--	3.96	--
	08/08/00	--	3.55	--
	11/06/00	--	4.11	--
	02/07/01	--	3.80	--
	05/09/01	--	3.95	--
	08/24/01	--	3.81	--
	11/16/01	--	4.05	--
	02/21/02	--	3.70	--
	05/10/02	--	0.70	--
	08/26/02	--	1.10	--

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

WELL ID	DATE	@ Laboratory (mg/L)	Before Purging (mg/L) ♦	After Purging (mg/L) ♦
MW-3 (SP) 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	--
	02/21/02	--	2.10	--
	05/10/02	--	0.60	--
	08/26/02	--	--	0.80

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)	MTRE (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
	02/21/02	<1,200	<50	170	<2.5	<2.5	<2.5	<2.5	<2.5
	08/26/02	--	--	120	--	--	--	--	--
MW-2	08/26/02	--	--	<20	--	--	--	--	--
MW-9	08/26/02	--	--	<2.0	--	--	--	--	--
MW-10	08/26/02	--	--	<20	--	--	--	--	--
MW-11	08/24/01	<5,000	<500	870	<10	<10	<10	<10	<10
	05/10/02 ²	<1,000	<200	270	<4.0	<4.0	<4.0	<4.0	<4.0
	08/26/02	<500	<100	170	<2.0	<2.0	<2.0	<2.0	<2.0
MW-2 (SP)	05/08/00	ND	ND	4.83	ND	ND	ND	ND	ND
MW-3 (SP)	05/08/00	ND	ND	ND	ND	ND	ND	ND	ND

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

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

¹ Raised detection limit. Refer to analytical reports.

² Laboratory report indicates sample was analyzed outside of the EPA recommended holding time.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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 Facility #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.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: VT

Well ID: MW-1 Well Condition: DU
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 18.95 ft. Thickness: 0.07 ft. (product/water): 0 gal.
 Depth to Water: 11.03 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

7.92 x VF 0.07 = 1.34 x3 (case volume) = Estimated Purge Volume: 4.5 gal.

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): 1540 Weather Conditions: clear
 Sample Time/Date: 1600/8/26/02 Water Color: clear Odor: 4
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>1543</u>	<u>1.5</u>	<u>7.23</u>	<u>428</u>	<u>71.0</u>	<u>0.9</u>	
<u>1547</u>	<u>3</u>	<u>7.10</u>	<u>442</u>	<u>70.3</u>		
<u>1552</u>	<u>4.5</u>	<u>7.03</u>	<u>448</u>	<u>70.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G, BTEX, MTBE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: UT

Well ID: MW-2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 19.10 ft. Thickness: 0.00 ft. (product/water): P gal.
 Depth to Water: 10.88 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

8.22 xVF 0.17 = 1.39 x3 (case volume) = Estimated Purge Volume: 4.5 gal.

Purge Equipment: Disposable Bailer Sampling Equipment: Disposable Bailer
 Stainless Steel Bailer _____ Pressure Bailer _____
 Stack Pump _____ Discrete Bailer _____
 Suction Pump _____ Other: _____
 Grundfos _____
 Other: _____

Start Time (purge): 1515 Weather Conditions: clear
 Sample Time/Date: 1530 8/26/02 Water Color: clear Odor: Y
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>1518</u>	<u>1.5</u>	<u>7.32</u>	<u>436</u>	<u>70.6</u>	<u>1.0</u>	
<u>1522</u>	<u>3</u>	<u>7.20</u>	<u>444</u>	<u>70.2</u>		
<u>1525</u>	<u>4.5</u>	<u>7.17</u>	<u>448</u>	<u>69.9</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G, BTEX, MTBE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: VS

Well ID: MW-3 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 22.15 ft. Thickness: 0.00 ft. (product/water): 7 gal.
 Depth to Water: 10.85 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

 xVF = x3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / / Water Color: _____ Odor: _____
 Purging Flow Rate: gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor only

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292
 Site Address: 15008 East 14th Street
 City: San Leandro, CA

Job Number: 180105
 Event Date: 8/26/02
 Sampler: UT

Well ID: MW-4
 Well Diameter: 2 in.
 Total Depth: 19.60 ft.
 Depth to Water: 1,500.29 ft.

Well Condition: OK
 Hydrocarbon Thickness: 0.02 ft.
 Amount Bailed (product/water): P gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

 xVF = x3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: _____
 Purging Flow Rate: gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor only

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: UT

Well ID: MW-5 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 22.15 ft. Thickness: 0.00 ft. (product/water): 0 gal.
 Depth to Water: 10.60 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

 xVF = x3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / / Water Color: _____ Odor: _____
 Purging Flow Rate: gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
 	 	 	 	 	<u>0.6</u>	
 	 	 	 	 	 	
 	 	 	 	 	 	
 	 	 	 	 	 	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x vov vial	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor + DO

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292
 Site Address: 15008 East 14th Street
 City: San Leandro, CA

Job Number: 180105
 Event Date: 8/26/02
 Sampler: IT

Well ID: MW-6
 Well Diameter: 2 in.
 Total Depth: 20.15 ft.
 Depth to Water: 10.09 ft.

Well Condition: ON
 Hydrocarbon Thickness: 200 ft. Amount Bailed (product/water): 0 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

1 xVF = _____ x3 (case volume) = Estimated Purge Volume: _____ gal.

Purge Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: 1 Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voc vial	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor only

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/03
 City: San Leandro, CA Sampler: VT

Well ID: MW-7 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 21.20 ft. Thickness: 0.00 ft. (product/water): P gal.
 Depth to Water: 10.40 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 xVF = x3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / / Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
 	 	 	 	 	<u>8.8</u>	
 	 	 	 	 	 	
 	 	 	 	 	 	
 	 	 	 	 	 	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor + DO

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: UT

Well ID: MW-8 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 19.0 ft. Thickness: 0.00 ft. (product/water): 0 gal.
 Depth to Water: 11.80 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.36
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 xVF = x3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer _____ Sampling Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____ Pressure Bailer _____
 Stack Pump _____ Discrete Bailer _____
 Suction Pump _____ Other: _____
 Grundfos _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / Water Color: _____ Odor: _____
 Purging Flow Rate: gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
 	 	 	 	 	<u>1.0</u>	
 	 	 	 	 	 	
 	 	 	 	 	 	
 	 	 	 	 	 	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voe.vial	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor + DO

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: JT

Well ID: MW-9 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 19.10 ft. Thickness: 0.00 ft. (product/water): 0 gal.
 Depth to Water: 11.17 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

7.93 x VF 0.57 = 1.34 x 3 (case volume) = Estimated Purge Volume: 4.5 gal.

Purge Equipment: Disposable Bailer Sampling Equipment: Disposable Bailer
 Stainless Steel Bailer _____ Pressure Bailer _____
 Stack Pump _____ Discrete Bailer _____
 Suction Pump _____ Other: _____
 Grundfos _____
 Other: _____

Start Time (purge): 1415 Weather Conditions: clear
 Sample Time/Date: 1430 8/26/02 Water Color: clear Odor: mild
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1418</u>	<u>1.5</u>	<u>7.45</u>	<u>562</u>	<u>69.9</u>	<u>0.8</u>	
<u>1422</u>	<u>3</u>	<u>7.32</u>	<u>571</u>	<u>69.5</u>		
<u>1426</u>	<u>4.5</u>	<u>7.31</u>	<u>572</u>	<u>69.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3 x vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G, BTEX, MTBE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: UT

Well ID: MW-10 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 19.90 ft. Thickness: 0.00 ft. (product/water): 0 gal.
 Depth to Water: 11.02 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

8.88 xVF 0.17 = 1.50 x3 (case volume) = Estimated Purge Volume: 4.5 gal.

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): 1445 Weather Conditions: clear
 Sample Time/Date: 1500 8/26/02 Water Color: clear Odor: 7
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>1448</u>	<u>1.0</u>	<u>7.38</u>	<u>633</u>	<u>70.2</u>	<u>0.9</u>	
<u>1452</u>	<u>3</u>	<u>7.24</u>	<u>641</u>	<u>69.7</u>		
<u>1455</u>	<u>4.0</u>	<u>7.20</u>	<u>645</u>	<u>69.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>3 x vob vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G, BTEX, MTBE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: VT

Well ID: MW-3(sp) Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 20.70 ft. Thickness: 0.00 ft. (product/water): 0 gal.
 Depth to Water: 10.95 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

1 xVF = _____ x3 (case volume) = Estimated Purge Volume: _____ gal.

Purge Equipment: Disposable Bailer _____ Sampling Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____ Pressure Bailer _____
 Stack Pump _____ Discrete Bailer _____
 Suction Pump _____ Other: _____
 Grundfos _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: 1 Water Color: _____ Odor: _____
 Purging Flow Rate: gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	<u>0.8</u>	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	<u>2 vials</u>	YES	HCL	STL Pleasanton	TPH-G, BTEX, MTBE(8260)

COMMENTS: Monitor + DO

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Tosco Corp./
Phillips 66 Co.
2000 Crow Canyon Place
Suite 400
San Ramon, CA 94583

Facility Number #3292
Facility Address 15008 EAST 14TH STREET, SAN LEANDRO, CA
Global ID 1136 Project 180105.80
Client Contact MR. DAVID B. DEWITT
Phone (925) 277-2384

Laboratory Name STL - PLEASANTON, CA
Consultant GETTLER-RYAN, INC. DEANNA L. HARDING
Address 6747 SIERRA CT., SUITE J, DUBLIN CA 94568
Phone (925) 551-7555 Fax (925) 551-7899
Samples Collected by Veritas Tashjian

SAMPLE ID	Number of Containers Matrix	S = Soil W = Water A = Air C = Charcoal	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/ETEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/ETEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5520	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HYDROCS (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks
QA	1	W	#1	8/26/02				X										Run 8 Oxy's by 8260 on highest 8260 MTBE hit.
MW-1	3	W	u	1600				X										
MW-2	3	W	u	1530				X										
MW-9	3	W	u	1430				X										
MW-10	3	W	u	1500				X										
MW-11	3	W	u	1355				X										

- OXYGENATES 8260
- 1 - MTBE
 - 2 - TBA
 - 3 - TAME
 - 4 - DIPE
 - 5 - ETBE
 - 6 - 1,2-DCA
 - 7 - EDB
 - 8 - ETHANOL

Shipped By (Signature) <i>[Signature]</i>	Organization <u>C.R.</u>	Date/Time <u>8/26/02</u>	Received By (Signature) <i>[Signature]</i>	Organization	Date/Time	iced <input checked="" type="checkbox"/> Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted
Shipped By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	iced Y/N	
Shipped By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>31</u>		Date/Time <u>8-27-02</u>	iced <input checked="" type="checkbox"/> Y/N <u>YLS</u>	

Chowley 08/27/02 H50

Gettler Ryan

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180105.80

Project: Tosco #3292

Site: 15008 East 14th St.
San Leandro, Ca.

STL San Francisco
1220 Quarry Ln
Pleasanton CA 94566

Tel.: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#:2496

09

Dear Ms. Harding,

Attached is our report for your samples received on 08/27/2002 14:50

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/11/2002 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@chromalab.com

Sincerely,



Tod Granicher
Project Manager

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding
6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
San Leandro, Ca.



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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
QA	08/26/2002	Water	1
MW-1	08/26/2002 16:00	Water	2
MW-2	08/26/2002 15:30	Water	3
MW-9	08/26/2002 14:30	Water	4
MW-10	08/26/2002 15:00	Water	5
MW-11	08/26/2002 13:55	Water	6

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding
 6747 Sierra Court Suite J
 Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180105.80
 Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
 San Leandro, Ca.



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 Pleasanton, CA 94566

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2002-08-0522 - 1
Sampled:	08/26/2002	Extracted:	9/4/2002 19:09
Matrix:	Water	QC Batch#:	2002/09/04-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/04/2002 19:09	
Benzene	ND	0.50	ug/L	1.00	09/04/2002 19:09	
Toluene	ND	0.50	ug/L	1.00	09/04/2002 19:09	
Ethylbenzene	ND	0.50	ug/L	1.00	09/04/2002 19:09	
Total xylenes	ND	1.0	ug/L	1.00	09/04/2002 19:09	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/04/2002 19:09	
Surrogates(s)						
1,2-Dichloroethane-d4	114.9	76-114	%	1.00	09/04/2002 19:09	sh
Toluene-d8	96.2	88-110	%	1.00	09/04/2002 19:09	

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

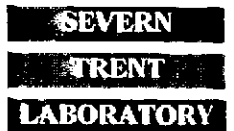
Attn.: Deanna Harding
6747 Sierra Court Suite J
Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
San Leandro, Ca.



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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2002-08-0522 - 2
Sampled:	08/26/2002 16:00	Extracted:	9/3/2002 19:31
Matrix:	Water	QC Batch#:	2002/09/03-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9200	1000	ug/L	20.00	09/03/2002 19:31	
Benzene	ND	10	ug/L	20.00	09/03/2002 19:31	
Toluene	ND	10	ug/L	20.00	09/03/2002 19:31	
Ethylbenzene	62	10	ug/L	20.00	09/03/2002 19:31	
Total xylenes	ND	20	ug/L	20.00	09/03/2002 19:31	
Methyl tert-butyl ether (MTBE)	120	40	ug/L	20.00	09/03/2002 19:31	
Surrogates(s)						
1,2-Dichloroethane-d4	82.0	76-114	%	20.00	09/03/2002 19:31	
Toluene-d8	105.8	88-110	%	20.00	09/03/2002 19:31	

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180105.80
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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2002-08-0522 - 3
Sampled:	08/26/2002 15:30	Extracted:	9/4/2002 19:31
Matrix:	Water	QC Batch#:	2002/09/04-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4400	500	ug/L	10.00	09/04/2002 19:31	
Benzene	ND	5.0	ug/L	10.00	09/04/2002 19:31	
Toluene	ND	5.0	ug/L	10.00	09/04/2002 19:31	
Ethylbenzene	ND	5.0	ug/L	10.00	09/04/2002 19:31	
Total xylenes	ND	10	ug/L	10.00	09/04/2002 19:31	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	10.00	09/04/2002 19:31	
Surrogates(s)						
1,2-Dichloroethane-d4	108.3	76-114	%	10.00	09/04/2002 19:31	
Toluene-d8	95.8	88-110	%	10.00	09/04/2002 19:31	

Gas/BTEX Fuel Oxygenates by 8260B

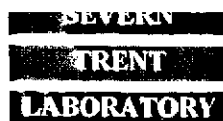
Gettler Ryan

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Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 5030B

Sample ID: MW-9

Sampled: 08/26/2002 14:30

Matrix: Water

Test(s): 8260FAB

Lab ID: 2002-08-0522 - 4

Extracted: 9/3/2002 20:16

QC Batch#: 2002/09/03-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	680	50	ug/L	1.00	09/03/2002 20:16	
Benzene	ND	0.50	ug/L	1.00	09/03/2002 20:16	
Toluene	ND	0.50	ug/L	1.00	09/03/2002 20:16	
Ethylbenzene	ND	0.50	ug/L	1.00	09/03/2002 20:16	
Total xylenes	ND	1.0	ug/L	1.00	09/03/2002 20:16	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/03/2002 20:16	
Surrogates(s)						
1,2-Dichloroethane-d4	86.0	76-114	%	1.00	09/03/2002 20:16	
Toluene-d8	98.7	88-110	%	1.00	09/03/2002 20:16	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180105.80
 Tosco #3292

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-10	Lab ID:	2002-08-0522 - 5
Sampled:	08/26/2002 15:00	Extracted:	9/3/2002 20:38
Matrix:	Water	QC Batch#:	2002/09/03-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	7000	500	ug/L	10.00	09/03/2002 20:38	
Benzene	ND	5.0	ug/L	10.00	09/03/2002 20:38	
Toluene	ND	5.0	ug/L	10.00	09/03/2002 20:38	
Ethylbenzene	5.4	5.0	ug/L	10.00	09/03/2002 20:38	
Total xylenes	ND	10	ug/L	10.00	09/03/2002 20:38	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	10.00	09/03/2002 20:38	
Surrogates(s)						
1,2-Dichloroethane-d4	83.7	76-114	%	10.00	09/03/2002 20:38	
Toluene-d8	108.9	88-110	%	10.00	09/03/2002 20:38	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180105.80
 Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-11	Lab ID:	2002-08-0522 - 6
Sampled:	08/26/2002 13:55	Extracted:	9/3/2002 21:00
Matrix:	Water	QC Batch#:	2002/09/03-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1900	50	ug/L	1.00	09/03/2002 21:00	
Benzene	ND	0.50	ug/L	1.00	09/03/2002 21:00	
Toluene	ND	0.50	ug/L	1.00	09/03/2002 21:00	
Ethylbenzene	0.87	0.50	ug/L	1.00	09/03/2002 21:00	
Total xylenes	ND	1.0	ug/L	1.00	09/03/2002 21:00	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	09/03/2002 21:00	
Methyl tert-butyl ether (MTBE)	170	2.0	ug/L	1.00	09/03/2002 21:00	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/03/2002 21:00	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/03/2002 21:00	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/03/2002 21:00	
1,2-DCA	ND	2.0	ug/L	1.00	09/03/2002 21:00	
EDB	ND	2.0	ug/L	1.00	09/03/2002 21:00	
Ethanol	ND	500	ug/L	1.00	09/03/2002 21:00	
Surrogates(s)						
1,2-Dichloroethane-d4	81.9	76-114	%	1.00	09/03/2002 21:00	
Toluene-d8	104.0	88-110	%	1.00	09/03/2002 21:00	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding
6747 Sierra Court Suite J
Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
San Leandro, Ca.

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/09/03-01.62-057

Water

Test(s): 8260FAB

QC Batch # 2002/09/03-01.62

Date Extracted: 09/03/2002 16:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/03/2002 16:34	
Benzene	ND	0.5	ug/L	09/03/2002 16:34	
Toluene	ND	0.5	ug/L	09/03/2002 16:34	
Ethylbenzene	ND	0.5	ug/L	09/03/2002 16:34	
Total xylenes	ND	1.0	ug/L	09/03/2002 16:34	
tert-Butyl alcohol (TBA)	ND	100	ug/L	09/03/2002 16:34	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	09/03/2002 16:34	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/03/2002 16:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/03/2002 16:34	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/03/2002 16:34	
1,2-DCA	ND	2.0	ug/L	09/03/2002 16:34	
EDB	ND	2.0	ug/L	09/03/2002 16:34	
Ethanol	ND	500	ug/L	09/03/2002 16:34	
Surrogates(s)					
1,2-Dichloroethane-d4	83.8	76-114	%	09/03/2002 16:34	
Toluene-d8	106.4	88-110	%	09/03/2002 16:34	

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/09/04-01.27-007

Water

Test(s): 8260FAB

QC Batch # 2002/09/04-01.27

Date Extracted: 09/04/2002 11:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/04/2002 11:13	
Benzene	ND	0.5	ug/L	09/04/2002 11:13	
Toluene	ND	0.5	ug/L	09/04/2002 11:13	
Ethylbenzene	ND	0.5	ug/L	09/04/2002 11:13	
Total xylenes	ND	1.0	ug/L	09/04/2002 11:13	
tert-Butyl alcohol (TBA)	ND	100	ug/L	09/04/2002 11:13	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	09/04/2002 11:13	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/04/2002 11:13	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/04/2002 11:13	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/04/2002 11:13	
1,2-DCA	ND	2.0	ug/L	09/04/2002 11:13	
EDB	ND	2.0	ug/L	09/04/2002 11:13	
Ethanol	ND	500	ug/L	09/04/2002 11:13	
Surrogates(s)					
1,2-Dichloroethane-d4	109.4	76-114	%	09/04/2002 11:13	
Toluene-d8	95.6	88-110	%	09/04/2002 11:13	



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: JT

Well ID: MW-11 Well Condition: on
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 19.00 ft. Thickness: 0.00 ft. (product/water): 0 gal.
 Depth to Water: 10.62 ft.
 Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38
 Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80
8.38 xVF 0.17 = 1.42 x3 (case volume) = Estimated Purge Volume: 45 gal.

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): 1335 Weather Conditions: clear
 Sample Time/Date: 1355 8/26/02 Water Color: clear Odor: milky
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1338</u>	<u>1.5</u>	<u>7.50</u>	<u>603</u>	<u>69.1</u>	<u>0.7</u>	
<u>1342</u>	<u>3</u>	<u>7.34</u>	<u>596</u>	<u>69.4</u>		
<u>1347</u>	<u>4.5</u>	<u>7.28</u>	<u>590</u>	<u>69.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G, BTEX, MTBE (8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #3292 Job Number: 180105
 Site Address: 15008 East 14th Street Event Date: 8/26/02
 City: San Leandro, CA Sampler: VT

Well ID: MW-2 (SP) Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 20.85 ft. Thickness: 0.04 ft. (product/water): 0 gal.
 Depth to Water: 16.03 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 xVF = x3 (case volume) = Estimated Purge Volume: gal.

Purge Equipment: Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: / / Water Color: _____ Odor: _____
 Purging Flow Rate: gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u> / / </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>1.1</u>	<u> </u>
<u> / / </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> / / </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> / / </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-</u>	<u>x vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH, G, BTEX, MTBE (8260)</u>

COMMENTS: Monitor + DO

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

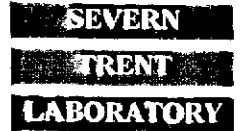
Gettler Ryan

Attn.: Deanna Harding
6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
San Leandro, Ca.



STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2002/09/03-01.62

LCS 2002/09/03-01.62-027

Extracted: 09/03/2002

Analyzed: 09/03/2002 15:27

LCSD 2002/09/03-01.62-005

Extracted: 09/03/2002

Analyzed: 09/03/2002 15:05

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	22.4	22.9	25.0	89.6	91.6	2.2	69-129	20		
Toluene	26.1	26.4	25.0	104.4	105.6	1.1	70-130	20		
Methyl tert-butyl ether (MTBE)	23.3	26.0	25.0	93.2	104.0	11.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	436	439	500	87.2	87.8		76-114			
Toluene-d8	534	545	500	106.8	109.0		88-110			

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

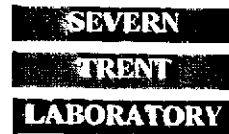
Gettler Ryan

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Tosco #3292

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2002/09/04-01.27

LCS 2002/09/04-01.27-003

Extracted: 09/04/2002

Analyzed: 09/04/2002 10:22

LCSD 2002/09/04-01.27-004

Extracted: 09/04/2002

Analyzed: 09/04/2002 10:51

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.9	19.7	25.0	79.6	78.8	1.0	69-129	20		
Toluene	23.9	23.7	25.0	95.6	94.8	0.8	70-130	20		
Methyl tert-butyl ether (MTBE)	23.6	22.8	25.0	94.4	91.2	3.4	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	544	542	500	108.8	108.4		76-114			
Toluene-d8	483	476	500	96.6	95.2		88-110			

Submission #: 2002-08-0522

Gas/BTEX Fuel Oxygenates by 8260B

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Dublin, CA 94568

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Project: 180105.80
Tosco #3292

Received: 08/27/2002 14:50

Site: 15008 East 14th St.
San Leandro, Ca.

SEVERN
TRENT
LABORATORY

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CA DHS ELAP# 2496

Legend and Notes

Result Flag

sh

Surrogate recovery was higher than QC limit due to matrix interference.