GETTLER-RYAN INC.

TRANSMITTAL

March 18, 2002
G-R #180065

APR 03 2002

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

CC: Mr. Douglas Lee
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

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

RE: Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	March 11, 2002	Groundwater Monitoring and Sampling Report First Quarter – Event of January 31, 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 ***April 1, 2002***, this report will be distributed to the following:

cc: **Mr. Barney M. Chan, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502**
Beretta Investment Group, 39560 Stevenson Place, Suite 118, Fremont, CA 94539

Enclosure

trans/5043.dbd

GETTLER-RYAN INC.

March 11, 2002
G-R Job #180065

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

APR 03 2002

RE: First Quarter Event of January 31, 2002
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, 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. Static water level data and groundwater elevations are summarized in Table 1. Product Thickness/Removal Data is summarized in Table 3. A Potentiometric Map is included as Figure 1.

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

Sincerely,

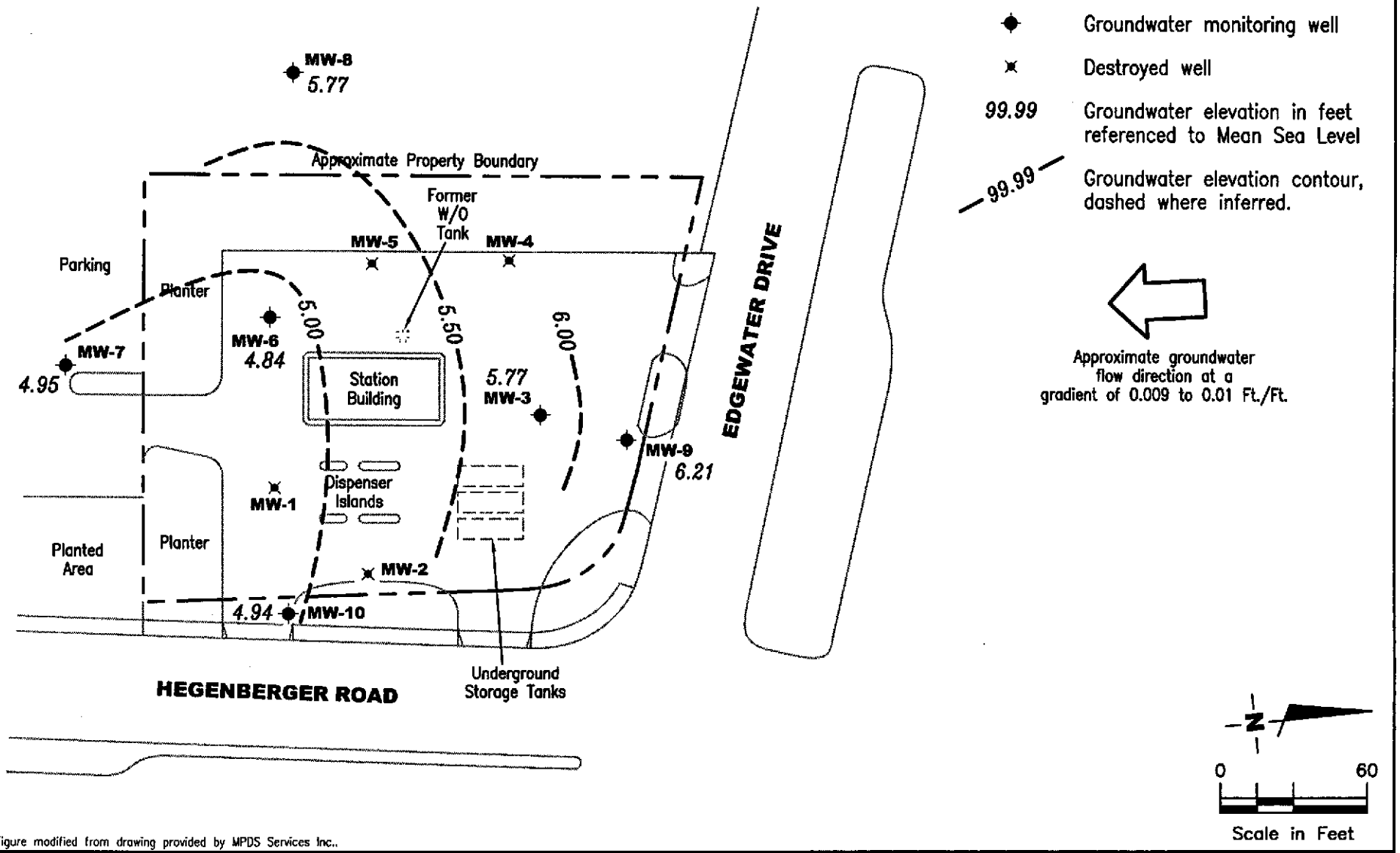
Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1:	Potentiometric Map
Figure 2:	Concentration Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results - Oxygenate Compounds
Table 3:	Product Thickness/Removal Data
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

5043.qml



Source: Figure modified from drawing provided by MPDS Services Inc..

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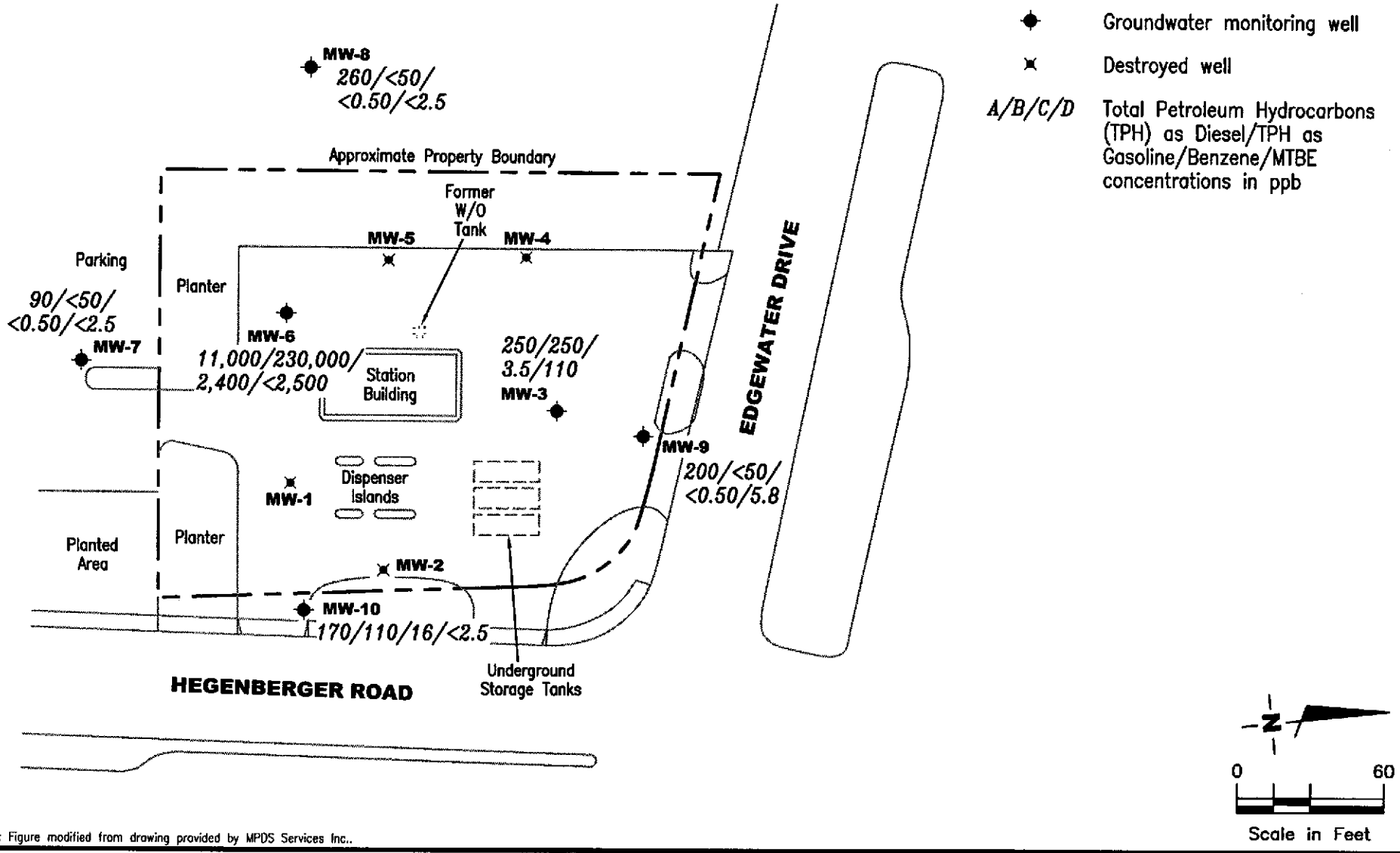
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		January 31, 2002	

FILE NAME: P:\Enviro\TOSCO\5043\Q02-5043.dwg | Layout Tab: Pot1



Source: Figure modified from drawing provided by MPDS Services Inc..

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

CONCENTRATION MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		January 31, 2002	

FILE NAME: P:\Enviro\TOSCO\5043\Q02-5043.dwg | Layout Tab: Con1

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	02/18/92	--	--	--	--	13,000	150,000	17,000	26,000	5,200	26,000	--
	05/20/92	--		--	--	--	--	--	--	--	--	--
	08/31/92	--		--	--	8,900[1]	64,000	13,000	12,000	2,500	22,000	--
	11/30/92	--		--	--	--	--	--	--	--	--	--
	02/04/93	--		--	--	--	--	--	--	--	--	--
8.96◆	05/04/93	2.13		5.73**	0.10	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/04/93	2.92		4.88**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
7.38	11/03/93	3.04		4.74	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/07/94	2.55		4.85**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/19/94	2.23		5.16**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	06/25/94	2.49		4.90**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/27/94	3.10		4.28	0.00	--	--	--	--	--	--	--
	08/15/94	2.85		4.61**	0.11	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/14/94	2.97		4.50**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/21/95	1.53		5.87**	0.02	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	DESTROYED											
MW-2	02/18/92	--	--	--	--	4,300	29,000	1,000	5,300	260	7,900	--
	05/20/92	--		--	--	4,300[1]	24,000	2,200	7,600	630	11,000	--
	08/31/92	--		--	--	1,600[1]	9,000	1,800	640	140	2,000	--
	11/30/92	--		--	--	5,700[1]	29,000	2,000	3,400	1,200	6,900	--
	02/04/93	--		--	--	6,100[1]	18,000	1,600	3,000	ND	6,900	--
8.96◆	05/04/93	2.48		6.48	0.00	7,100[1]	63,000	3,200	17,000	470	17,000	--
	08/04/93	3.20		5.76	0.00	1,800[2]	45,000	2,100	6,600	1,400	12,000	--
8.58	11/03/93	3.37		5.21	0.00	2,600[2]	72,000	3,700	16,000	3,700	20,000	--
	02/07/94	2.40		6.18	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/19/94	2.13		6.45	0.00	3,000[2]	42,000	2,500	1,300	2,300	13,000	--
	06/25/94	2.65		5.93	0.00	--	--	--	--	--	--	--
	07/27/94	3.44		5.14	0.00	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	08/15/94	3.25	--	5.33	0.00	2,800[2]	35,000	2,400	850	1,700	15,000	--
(cont)	11/14/94	2.13		6.45	0.00	10,000[1]	43,000	2,200	6,500	1,800	14,000	--
	02/21/95	1.65		6.93	0.00	2,000[2]	44,000	2,200	3,200	1,300	1,500	--
	DESTROYED											
MW-3	02/18/92	--	2.5-14.0	--	--	ND	230	4.8	22	1.8	33	--
	05/20/92	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	08/31/92	--		--	--	92[2]	210[4]	1	ND	ND	ND	--
	11/30/92	--		--	--	94	790[4]	ND	ND	ND	ND	--
	02/04/93	--		--	--	550[2]	3,300	320	ND	96	6.1	--
7.84•	05/04/93	4.32		3.52	0.00	250[2]	1,800[3]	95	ND	ND	ND	--
	08/04/93	4.94		2.90	0.00	100	210[4]	ND	ND	ND	ND	--
7.42	11/03/93	4.53		2.89	0.00	160	640[4]	ND	ND	ND	ND	--
	02/07/94	2.40		5.02	0.00	620[2]	2,700	110	ND	17	ND	--
	05/19/94	3.60		3.82	0.00	480[2]	1,800	83	ND	6.2	9.1	--
	06/25/94	4.58		2.84	0.00	--	--	--	--	--	--	--
	07/27/94	4.58		2.84	0.00	--	--	--	--	--	--	--
	08/15/94	4.65		2.77	0.00	110[2]	130	1.1	0.54	ND	0.97	--
	11/14/94	3.18		4.24	0.00	150[2]	1,600[4]	ND	ND	ND	ND	--
	02/21/95	1.81		5.61	0.00	850[2]	3,800	350	ND	130	22	--
	05/18/95	4.56		2.86	0.00	150[1]	1,300[3]	42	ND	ND	ND	--
	08/17/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	07/26/96	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	10/28/96[6]	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	01/29/97	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	04/15/97	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	05/27/97	3.45		4.59	0.00	--	670	6.5	ND	ND	ND	250
	06/01/97	3.50		4.54	0.00	610[2]	--	--	--	--	--	--
8.04	07/15/97	3.71		4.33	0.00	240[2]	240	ND	ND	ND	ND	490
	10/09/97	3.70		4.34	0.00	500[2]	270	1.1	ND	2.4	1.4	910

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Groundwater Monitoring Data and Analytical Results

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449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	01/14/98	2.16	2.5-14.0	5.88	0.00	340[7]	310	ND	ND	0.62	0.65	140
(cont)	04/01/98	2.20		5.84	0.00	320[7]	370	5.7	ND[9]	ND[9]	ND[9]	93
	07/15/98	3.38		4.66	0.00	510[10]	460[11]	ND[9]	ND[9]	ND[9]	ND[9]	230
	10/16/98	2.30		5.74	0.00	67[13]	330[14]	4.7	ND[9]	ND[9]	ND[9]	60
	01/25/99	2.42		5.62	0.00	120[7]	420[14]	1.5	ND[9]	ND[9]	ND[9]	180
	04/15/99	2.16		5.88	0.00	170[17]	290	0.54	ND	ND	ND	160
	07/14/99	2.35		5.69	0.00	420[19]	290	3.2	ND	ND	ND	160
	10/21/99	2.49		5.55	0.00	350[7]	360[23]	0.77	ND	ND	ND	82
	01/20/00	2.38		5.66	0.00	2,060[1]	ND	0.81	ND	ND	ND	54
	04/13/00	2.76		5.28	0.00	200[21]	250[23]	0.69	ND	ND	ND	91/150[26]
	07/14/00	3.26		4.78	0.00	423[7]	345[27]	ND	ND	ND	ND	94.7
	10/26/00	3.12		4.92	0.00	330[29]	480[23]	6.0	ND[9]	ND[9]	ND[9]	120
	01/03/01	3.65		4.39	0.00	287[7]	364[27]	1.59	ND	ND	ND	118
	04/04/01	3.98		4.06	0.00	360[7]	417[27]	1.24	ND	ND	0.802	237
	07/17/01	3.12		4.92	0.00	270[28]	480[27]	ND	ND	ND	ND	150
	10/01/01	3.25		4.79	0.00	270[7]	310[27]	1.0	<0.50	<0.50	<0.50	53
	01/31/02	**2.27**		**5.77**	**0.00**	**250[34]**	**250[32]**	**3.5**	**<1.0**	**<1.0**	**<1.0**	**110**
MW-4	08/31/92	--	--	--	--	90[2]	240[4]	ND	ND	ND	0.54	--
	11/30/92	--		--	--	61	420[4]	ND	ND	ND	ND	--
	02/04/93	--		--	--	ND	ND	ND	ND	ND	ND	--
9.00•	05/04/93	4.09		4.91	0.00	ND	110[3]	0.95	ND	ND	ND	--
	08/04/93	5.01		3.99	0.00	81	250[4]	ND	3.5	ND	4.1	--
8.41	11/03/93	4.23		4.18	0.00	68	130[4]	ND	ND	ND	ND	--
	02/07/94	3.35		5.06	0.00	ND	56[4]	ND	ND	ND	ND	--
	05/19/94	3.92		4.49	0.00	90[2]	140[4]	ND	ND	ND	ND	--
	06/25/94	4.35		4.06	0.00	--	--	--	--	--	--	--
	07/27/94	4.28		4.13	0.00	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	08/15/94	4.27	--	4.14	0.00	72[2]	59[4]	ND	0.6	ND	ND	--
(cont)	11/14/94	4.05		4.36	0.00	ND	130[4]	ND	ND	ND	ND	--
	DESTROYED											
MW-5	08/31/92	--	--	--	--	690[1]	78	0.89	ND	ND	13	--
	11/30/92[5]	--		--	--	470[2]	930	70	290	0.79	14	--
	02/04/93[5]	--		--	--	5,500[2]	5,700	38	ND	620	170	--
	05/04/93[5]	4.37		4.90	0.00	4,600[1]	7,400	41	ND	1,000	35	--
	08/04/93[5]	5.81		3.46	0.00	970[2]	1,500	130	1	460	11	--
8.95	11/03/93	5.68		3.27	0.00	2,100[2]	13,000	350	ND	3,500	530	--
	02/07/94	5.11		3.84	0.00	830[2]	2,000	87	ND	370	110	--
	05/19/94	5.09		3.86	0.00	600[2]	260	44	ND	32	4.1	--
	06/25/94	4.55		4.40	0.00	--	--	--	--	--	--	--
	07/27/94	5.72		3.23	0.00	--	--	--	--	--	--	--
	08/15/94	5.68		3.27	0.00	860[2]	1,600	110	ND	340	72	--
	11/14/94	5.63		3.32	0.00	290[1]	250	40	ND	ND	5	--
	DESTROYED											
MW-6	08/31/92	--	2.5-13.5	--	--	750[2]	ND	ND	ND	ND	ND	--
	11/30/92	--		--	--	1,400[1]	9,200	550	ND	740	1,600	--
	02/04/93	--		--	--	890[2]	3,600	340	ND	290	550	--
9.12♦	05/04/93	3.72		5.40	0.00	1,800[1]	4,900	360	18	450	430	--
	08/04/93	5.15		3.97	0.00	1,100[2]	3,400	390	ND	440	190	--
8.87	11/03/93	5.25		3.62	0.00	390[2]	1,400	320	ND	200	7.7	--
	02/07/94	4.55		4.32	0.00	970[2]	4,900	650	ND	250	35	--
	05/19/94	4.62		4.25	0.00	1,400[2]	3,600	300	1.7	210	41	--
	08/15/94	5.08		3.79	0.00	790[2]	1,300	130	6.7	54	57	--
	11/14/94	5.30		3.57	0.00	800[2]	730	50	ND	ND	39	--
	02/21/95	5.37		3.50	0.00	730[2]	2,000	250	4.6	25	30	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	05/18/95	--	2.5-13.5	INACCESSIBLE		--	--	--	--	--	--	--
(cont)	08/17/95	--		INACCESSIBLE		--	--	--	--	--	--	--
	07/26/96	6.40		5.03**	3.33	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	10/28/96	4.10		4.93**	0.21	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/13/96	4.02		5.04**	0.25	--	--	--	--	--	--	--
	11/25/96	4.01		5.44**	0.75	--	--	--	--	--	--	--
	12/04/96	3.65		5.61**	0.50	--	--	--	--	--	--	--
	12/19/96	4.80		5.76**	2.20	--	--	--	--	--	--	--
	01/08/97	4.84		5.38**	1.75	--	--	--	--	--	--	--
	01/14/97	4.51		5.25**	1.15	--	--	--	--	--	--	--
	01/27/97	4.00		6.22**	1.75	--	--	--	--	--	--	--
	01/29/97	3.24		5.87**	0.31	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/11/97	4.65		5.14**	1.20	--	--	--	--	--	--	--
	02/24/97	4.81		4.91**	1.10	--	--	--	--	--	--	--
	03/10/97	4.60		5.00**	0.95	--	--	--	--	--	--	--
	03/17/97	4.50		5.06**	0.89	--	--	--	--	--	--	--
	03/31/97	4.65		4.99**	1.00	--	--	--	--	--	--	--
	04/15/97	4.90		4.76**	1.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	04/28/97	4.78		4.11**	0.03	--	--	--	--	--	--	--
	05/15/97	4.60		4.46**	0.25	--	--	--	--	--	--	--
	05/27/97	4.50		4.56**	0.25	--	--	--	--	--	--	--
	06/09/97	4.60		4.42**	0.20	--	--	--	--	--	--	--
	06/24/97	4.50		4.56**	0.25	--	--	--	--	--	--	--
	07/09/97	4.80		4.53**	0.60	--	--	--	--	--	--	--
	07/15/97	4.63		4.56**	0.42	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/21/97	4.75		4.31**	0.25	--	--	--	--	--	--	--
	08/06/97	4.50		4.45**	0.10	--	--	--	--	--	--	--
	08/20/97	4.55		4.40**	0.10	--	--	--	--	--	--	--
	09/02/97	4.75		4.16**	0.05	--	--	--	--	--	--	--
	10/09/97	4.84		4.06**	0.04	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	01/14/98	3.90		5.69**	0.94	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/12/98	3.35	2.5-13.5	6.01**	0.64	--	--	--	--	--	--	--
(cont)	03/03/98	4.51		4.38**	0.02	--	--	--	--	--	--	--
	04/01/98	3.67		6.43**	1.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/26/98	4.11		5.15**	0.50	--	--	--	--	--	--	--
	06/15/98	5.03		4.07**	0.30	--	--	--	--	--	--	--
	07/15/98	4.56		4.35**	0.05	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/21/98	4.77		4.12**	0.02	--	--	--	--	--	--	--
	09/30/98	5.08		3.81**	0.03	--	--	--	--	--	--	--
	10/16/98	4.31		6.41**	2.40	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/06/98	3.98		5.02**	0.17	--	--	--	--	--	--	--
	11/25/98	3.92		5.03**	0.10	--	--	--	--	--	--	--
	12/28/98	3.90		5.12**	0.20	--	--	--	--	--	--	--
	01/25/99	4.18		5.15**	0.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/22/99	4.07		4.97**	0.22	--	--	--	--	--	--	--
	03/22/99	4.32		4.67**	0.15	--	--	--	--	--	--	--
	04/15/99	4.23		5.37**	0.95	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/28/99	4.38		4.79**	0.39	--	--	--	--	--	--	--
	06/29/99	4.12		4.77**	0.02	--	--	--	--	--	--	--
	07/14/99	4.20		4.69**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/23/99	4.51		4.54**	0.24	--	--	--	--	--	--	--
	09/30/99	4.17		4.83**	0.17	--	--	--	--	--	--	--
	10/21/99	4.27		4.69**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/29/99	4.18		4.69	<0.01	--	--	--	--	--	--	--
	12/20/99	4.26		4.62**	0.01	--	--	--	--	--	--	--
	01/20/00	4.31		4.56	<0.01	67,600[1]	130,000[23]	2,900	8,600	2,000	16,000	ND[9]
	02/26/00	3.98		4.89	0.00	--	--	--	--	--	--	--
	03/31/00	4.14		4.73	0.00	--	--	--	--	--	--	--
	04/13/00	4.04		4.83	0.00	8,700[7]	140,000[23]	5,000	14,000	3,600	27,000	7,700
	05/26/00	4.41		4.46	0.00	--	--	--	--	--	--	--
	06/17/00	4.35		4.52	0.00	--	--	--	--	--	--	--
	07/14/00	4.47		4.40	<0.01	133,000[7]	259,000[23]	7,670	13,700	6,860	40,700	[9]ND/ND[9,26]

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	08/24/00	3.71	2.5-13.5	5.16	0.00	--	--	--	--	--	--	--
(cont)	09/27/00	4.33		4.54	0.00	--	--	--	--	--	--	--
	10/26/00	4.32		4.55	0.00	61,000[28]	110,000[23]	7,000	6,200	3,700	12,000	670/43[30]
	01/03/01	4.52		4.35	0.00	929[7]	84,700[23]	3,950	4,130	3,650	11,800	[9]ND/ND[9.26]
	04/04/01	4.29		4.58	0.00	18,000[28]	69,800[23]	2,060	2,840	3,650	10,900	[9]ND/47.8[26]
	07/17/01	4.37		4.50	0.00	20,000[31]	100,000[23]	3,200	3,300	3,400	12,000	ND[9]
	10/01/01	4.45		4.42	0.00	24,000[7]	110,000[23]	3,200	2,400	4,500	13,000	<1,000
	01/31/02	**4.03**		**4.84**	**0.00**	**11,000[34]**	**230,000[32]**	**2,400**	**1,800**	**5,400**	**16,000**	**<2,500**
MW-7	05/27/97	4.50	3.0-13.0	4.33	0.00	--	68	ND	ND	ND	ND	ND
8.83	06/01/97	4.54		4.29	0.00	69[2]	--	--	--	--	--	--
	07/15/97	4.70		4.13	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	4.30		4.53	0.00	190[1]	ND	ND	ND	ND	ND	ND
	01/14/98	2.88		5.95	0.00	65[7]	ND	ND	ND	ND	ND	36
	04/01/98	3.13		5.70	0.00	ND	ND	ND	ND	ND	ND	ND
	07/15/98	4.45		4.38	0.00	74[12]	ND	ND	ND	ND	ND	ND
	10/16/98	3.45		5.38	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	3.22		5.61	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	3.11		5.72	0.00	ND	ND	ND	ND	ND	ND	ND
	07/14/99	3.34		5.49	0.00	69[20]	ND	ND	ND	ND	ND	ND
	10/21/99	3.43		5.40	0.00	ND	ND	ND	ND	ND	ND	ND
	01/20/00	3.29		5.54	0.00	ND	ND	ND	ND	ND	ND	4.2
	04/13/00	3.39		5.44	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	07/14/00	4.42		4.41	0.00	68.0[7]	ND	ND	ND	ND	ND	7.83
	07/17/01	5.06		3.77	0.00	ND	ND	ND	ND	ND	ND	ND
	10/01/01	4.98		3.85	0.00	<51	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/31/02	**3.88**		**4.95**	**0.00**	**90[34]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	05/27/97	3.42	3.0-15.0	5.10	0.00	--	310	0.88	0.67	15	70	ND
8.52	06/01/97	3.46		5.06	0.00	320[2]	--	--	--	--	--	--
	07/15/97	3.49		5.03	0.00	ND	ND	ND	ND	2.7	3.8	ND
	10/09/97	3.73		4.79	0.00	390[1]	590	1.4	ND	32	4.1	ND
	01/14/98	1.92		6.60	0.00	230[7]	ND	ND	ND	ND	ND	ND
	04/01/98	2.38		6.14	0.00	510[7]	ND	ND	ND	ND	ND	4.7
	07/15/98	3.53		4.99	0.00	140[12]	ND	ND	ND	0.56	1.1	ND
	10/16/98	3.04		5.48	0.00	170[15]	ND	ND	ND	ND	ND	ND
	01/25/99	2.92		5.60	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	04/15/99	2.40		6.12	0.00	91[12]	ND	ND	ND	ND	ND	ND
	07/14/99	3.03		5.49	0.00	120[21]	ND	ND	ND	ND	ND	ND
	10/21/99	3.11		5.41	0.00	110[24]	ND	ND	ND	ND	ND	ND
	01/20/00	3.06		5.46	0.00	583[1]	ND	ND	ND	ND	ND	ND
	04/13/00	2.84		5.68	0.00	80[24]	ND	ND	ND	ND	ND	ND
	07/14/00	3.39		5.13	0.00	113[7]	ND	ND	ND	ND	ND	ND
	07/17/01	3.46		5.06	0.00	ND	ND	ND	ND	ND	ND	ND
	10/01/01	3.51		5.01	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/31/02	**2.75**		**5.77**	**0.00**	**260[34]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
MW-9	02/21/95	1.98	3.0-13.0	6.31	0.00	71[2]	70[4]	ND	ND	ND	ND	--
8.29	05/18/95	3.47		4.82	0.00	ND	52	ND	1.1	ND	1.9	--
	08/17/95	1.49		6.80	0.00	ND	ND	ND	ND	ND	ND	--
	07/26/96	0.28		8.01	0.00	98	ND	ND	ND	ND	ND	ND
	10/28/96	1.15		7.14	0.00	99[1]	ND	ND	ND	ND	ND	7.6
	01/29/97	1.05		7.24	0.00	54	ND	ND	ND	ND	ND	5.4
	04/15/97	1.88		6.41	0.00	94[1]	ND	ND	ND	ND	ND	5.4
	05/27/97	1.05		7.24	0.00	--	--	--	--	--	--	--
	07/15/97	1.90		6.39	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	1.76		6.53	0.00	160[1]	ND	ND	ND	ND	ND	ND
	01/14/98	1.26		7.03	0.00	110[7]	ND	ND	ND	ND	ND	3.0

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	04/01/98	0.85	3.0-13.0	7.44	0.00	110[7]	ND	ND	ND	ND	ND	ND
(cont)	07/15/98	1.52		6.77	0.00	200[12]	ND	ND	ND	ND	ND	ND
	10/16/98	0.81		7.48	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	0.92		7.37	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	0.90		7.39	0.00	ND	75[18]	21	ND	ND	1.1	680
	07/14/99	1.04		7.25	0.00	140[21]	ND	1.9	ND	ND	ND	260
	10/21/99	1.23		7.06	0.00	210[24]	ND	ND	ND	ND	ND	170
	01/20/00	1.18		7.11	0.00	519[1]	ND	1.1	ND	ND	ND	35
	04/13/00	1.08		7.21	0.00	81[25]	160[23]	0.64	ND	ND	ND	53
	07/14/00	1.43		6.86	0.00	107[7]	ND	ND	ND	ND	ND	20.2
	10/26/00	1.38		6.91	0.00	240[7]	240[23]	2.9	ND	ND	ND	56
	01/03/01	1.66		6.63	0.00	164[7]	166[27]	0.763	0.776	ND	1.28	50.2
	04/04/01	1.27		7.02	0.00	240[7]	296[27]	0.738	ND	ND	0.907	135
	07/17/01	1.38		6.91	0.00	ND	ND	ND	ND	ND	ND	13
	10/01/01	1.93		6.36	0.00	<52	51[18]	<0.50	<0.50	<0.50	<0.50	5.0
	01/31/02	**2.08**		**6.21**	**0.00**	**200[34]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**5.8**
MW-10	02/21/95	4.69	3.0-13.0	3.93	0.00	270[2]	1,500	250	26	9.1	160	--
8.62	05/18/95	4.92		3.70	0.00	75[1]	810	520	ND	18	23	--
	08/17/95	4.05		4.57	0.00	ND	67	25	ND	2.4	ND	--
	07/26/96	4.08		4.54	0.00	ND	ND	3.7	ND	ND	ND	ND
	10/28/96	4.09		4.53	0.00	ND	ND	1.1	ND	ND	ND	ND
	01/29/97	2.94		5.68	0.00	ND	210	41	0.67	7.2	4.8	11
	04/15/97	4.07		4.55	0.00	ND	110	12	ND	0.77	ND	9.7
	05/27/97	4.40		4.22	0.00	--	--	--	--	--	--	--
	07/15/97	4.19		4.43	0.00	ND	ND	2.1	ND	0.67	0.73	ND
	10/09/97	4.75		3.87	0.00	ND	190	38	0.92	6.6	7.6	ND
	01/14/98	2.66		5.96	0.00	--[8]	59	9.5	0.85	1.2	1.7	4.5
	04/01/98	3.45		5.17	0.00	62[7]	230	66	1.7	12	17	6.4
	07/15/98	4.21		4.41	0.00	78[12]	290	98	45	21	38	21

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID/ TOC*	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	10/16/98	4.11	3.0-13.0	4.51	0.00	ND	160[16]	44	0.96	2.5	10	17
(cont)	01/25/99	3.26		5.36	0.00	ND	140	27	ND	2.8	6.8	23
	04/15/99	3.63		4.99	0.00	ND	120	18	ND	1.8	5.1	14
	07/14/99	3.89		4.73	0.00	180[22]	280	55	3.2	11	31	6.1
	10/21/99	4.09		4.53	0.00	96[7]	140[23]	22	0.59	1.7	7.7	5.3
	01/20/00	3.92		4.70	0.00	252[1]	ND	0.73	0.86	ND	ND	5.2
	04/13/00	3.85		4.77	0.00	69[24]	67[23]	54	ND	2.6	ND	3.8
	07/14/00	4.18		4.44	0.00	149[7]	ND	0.547	ND	ND	ND	ND
	10/26/00	3.96		4.66	0.00	83[24]	ND	3.3	ND	0.83	1.5	ND
	01/03/01	4.14		4.48	0.00	126[7]	52.7[23]	5.15	ND	0.823	1.57	ND
	04/04/01	3.88		4.74	0.00	75[24]	129[23]	28.1	1.67	4.97	10.1	ND
	07/17/01	4.08		4.54	0.00	ND	ND	4.1	ND	1.0	1.8	ND
	10/01/01	4.22		4.40	0.00	100[7]	140[23]	30	0.51	4.0	12	<5.0
	01/31/02	**3.68**		**4.94**	**0.00**	**170[34]**	**110[33]**	**16**	**<0.50**	**2.3**	**5.6**	**<2.5**
Trip Blank												
TB-LB	01/14/98	--	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/01/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/15/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/16/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/25/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/15/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/14/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/21/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/20/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/13/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	07/14/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	10/26/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	01/03/01	--		--	--	--	ND	ND	ND	ND	ND	ND
	04/04/01	--		--	--	--	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID/ TOC*	DATE	DTW *(ft.)*	S.I. *(ft.bgs)*	GWE *(msl)*	Product Thickness *(ft.)*	TPH-D *(ppb)*	TPH-G *(ppb)*	B *(ppb)*	T *(ppb)*	E *(ppb)*	X *(ppb)*	MTBE *(ppb)*
TB-LB	07/17/01	--	--	--	--	--	ND	ND	ND	ND	ND	ND
(cont)	10/01/01	--		--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/31/02	--		--	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
S. I. = Screen Interval
(ft.bgs) = Feet Below Ground Surface
GWE = Groundwater Elevation
(msl) = Mean sea level

TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed

* TOC elevations are relative to msl, per the City of Oakland Benchmark #3880, (Elevation = 20.37 feet, msl).

** GWE corrected for the presence of free product; correction factor: [(TOC - DTW) + (Product Thickness x 0.77)].

◆ Elevations were based on the top of the well covers and were surveyed relative to msl, per the City of Oakland Benchmark #3880, (Elevation = 20.37 feet).

1 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.

2 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

3 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

4 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.

5 Total Oil and Grease (TOG) was ND.

6 The well was obstructed with debris at 0.55 feet. A water sample was collected but was not analyzed as it was considered not representative of groundwater in this well.

7 Laboratory report indicates unidentified hydrocarbons C9-C24.

8 Sample bottle broken at laboratory.

9 Detection limit raised. Refer to analytical reports.

10 Laboratory report indicates unidentified hydrocarbons >C14 and <C12.

11 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.

12 Laboratory report indicates unidentified hydrocarbons >C14.

13 Laboratory report indicates non diesel mix >C14.

14 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.

15 Laboratory report indicates non diesel mix C9-C27.

16 Laboratory report indicates unidentified hydrocarbons <C7.

17 Laboratory report indicates unidentified hydrocarbons >C10.

18 Laboratory report indicates unidentified hydrocarbons C6-C12.

19 Laboratory report indicates unidentified hydrocarbons >C9.

20 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C20.

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

EXPLANATIONS: (cont)

21 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C16.
22 Laboratory report indicates unidentified hydrocarbons <C14 and >C16.
23 Laboratory report indicates gasoline C6-C12.
24 Laboratory report indicates unidentified hydrocarbons >C16.
25 Laboratory report indicates discrete peaks.
26 MTBE by EPA Method 8260.
27 Laboratory report indicates weathered gasoline C6-C12.
28 Laboratory report indicates unidentified hydrocarbons <C16.
29 Laboratory report indicates unidentified hydrocarbons C9-C40.
30 MTBE by EPA Method 8260 was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.
31 Laboratory report indicates diesel C9-C24.
32 Laboratory report indicates unidentified hydrocarbons C6-C10.
33 Laboratory report indicates gasoline C6-C10.
34 Laboratory report indicates unidentified hydrocarbons C10-C28.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-3	04/13/00	ND	ND	150	ND	ND	ND	ND	ND
MW-6	07/14/00	--	--	ND[1]	--	--	--	--	--
	10/26/00	--	--	43[2]	--	--	--	--	--
	01/03/01	--	--	ND[1]	--	--	--	--	--
	04/04/01	ND[1]	ND[1]	47.8	ND[1]	ND[1]	ND[1]	ND[1]	ND[1]

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
ND = Not Detected
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

[1] Detection limit raised. Refer to analytical reports.

[2] Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

Table 3

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

WELL ID	DATE	DTW (ft.)	Product Thickness (ft.)	Amount Bailed (Product + Water) (gallons)
MW-6	07/26/96	6.40	3.33	2.10
	10/28/96	4.10	0.21	0.14
	11/13/96	4.02	0.25	0.09
	11/25/96	4.01	0.75	0.47
	12/04/96	3.65	0.50	0.43
	12/19/96	4.80	2.20	1.02
	01/08/97	4.84	1.75	0.59
	01/14/97	4.51	1.15	0.66
	01/27/97	4.00	1.75	0.78
	01/29/97	3.24	0.31	0.25
	02/11/97	4.65	1.20	0.62
	02/24/97	4.81	1.10	0.50
	03/10/97	4.60	0.95	0.47
	03/17/97	4.50	0.89	0.35
	03/31/97	4.65	1.00	0.50
	04/15/97	4.90	1.03	0.51
	04/28/97	4.78	0.03	0.20
	05/15/97	4.60	0.25	0.20
	05/27/97	4.50	0.25	0.00
	06/09/97	4.60	0.20	0.23
	06/24/97	4.50	0.25	0.25
	07/09/97	4.80	0.60	0.25
	07/15/97	4.63	0.42	0.20
	07/21/97	4.75	0.25	0.27
	08/06/97	4.50	0.10	0.16
	08/20/97	4.55	0.10	0.20
	09/02/97	4.75	0.05	0.12
	10/09/97	4.84	0.04	0.12
	01/14/98[1]	3.90	0.94	1.50
	02/12/98[1]	3.35	0.64	0.32
	03/03/98[1]	4.51	0.02	2.00
	04/01/98[1]	3.67	1.60	0.50
	05/26/98[1]	4.11	0.50	0.08
	06/15/98[1]	5.03	0.30	0.060
	07/15/98[1]	4.56	0.05	0.10
	08/21/98[1]	4.77	0.02	0.040
	09/30/98[1]	5.08	0.03	0.027
	10/16/98[1]	4.32	2.40	0.98
	11/06/98[1]	3.98	0.17	0.16
	11/25/98[1]	3.92	0.10	0.12
	12/28/98[1]	3.90	0.20	0.14
	01/25/99[1]	4.18	0.60	0.27
	02/22/99[1]	4.07	0.22	0.078 product/3.0 water
	03/22/99[1]	4.32	0.15	0.039 product/5.0 water

Table 3

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

WELL ID	DATE	DTW *(ft.)*	Product Thickness *(ft.)*	Amount Bailed (Product + Water) *(gallons)*
MW-6	04/15/99[1]	4.23	0.95	1.0 product
(cont)	05/28/99[1]	4.38	0.39	0.141 product/1.0 water
	06/29/99[1]	4.12	0.02	0.054 product/8.0 water
	07/14/99[1]	4.20	0.03	0.039 product/2.0 water
	08/23/99[1]	4.51	0.24	0.094 product/1.0 water
	09/30/99[1]	4.17	0.17	0.141 product/1.0 water
	10/21/99[1]	4.27	0.12	0.070 product/1.0 water
	11/29/99[2]	4.18	<0.01	0.0078 product/1.0 water
	12/20/99[2]	4.26	0.01	0.0156 product/1.0 water
	01/20/00[2]	4.31	<0.01	0.00
	02/26/00	3.98	0.00	0.00
	03/31/00	4.14	0.00	0.00
	04/13/00	4.04	0.00	0.00
	05/26/00	4.41	0.00	0.00
	06/17/00	4.35	0.00	0.00
	07/14/00	4.47	<0.01	<1 ounce
	08/24/00	3.71	0.00	0.00
	09/27/00	4.33	0.00	0.00
	10/26/00	4.32	0.00	0.00
	01/03/01	4.52	0.00	0.00
	04/04/01	4.29	0.00	0.00
	07/17/01	4.37	0.00	0.00
	10/01/01	4.45	0.00	0.00
	01/31/02	**4.03**	**0.00**	**0.00**

EXPLANATIONS:

Product Thickness/Removal Data prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to Water

(ft.) = Feet

[1] Skimmer present in well.

[2] No skimmer found in well.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

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

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

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

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

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-31-02

City: Oakland Sampler: Joe

Well ID MW-3 Well Condition: O.K

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

Total Depth 13.95 ft.

Depth to Water 2.27 ft.

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

11.68 X VF 0.17 = 1.99 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

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

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

Starting Time: 9:15 Weather Conditions: clear/cold

Sampling Time: 9:40 Am (0940) Water Color: clear Odor: mild

Purging Flow Rate: 0.5 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:23	2	7.27	3.66	65.0			
9:27	4	7.37	3.61	65.0			
9:31	6	7.34	3.58	64.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	1 Amb.	"	"	"	TPHD

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-31-02

City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K

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

Total Depth 12.70 ft.

Depth to Water 4.03 ft.

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

8.67 X VF 0.17 = 1.47 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: (Disposable Bailer) ~~Bailer~~ Stack Suction Grundfos Other:

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

Starting Time: 7:00 Weather Conditions: clear/cold

Sampling Time: 7:14 AM (0714) Water Color: clear Odor: yes

Purging Flow Rate: 0.5 gpm. Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity (@ 20°) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
7:06	1	6.65	1.51	65.1			
7:10	3	6.62	1.42	65.4			
7:13	4.5	6.71	1.49	65.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	1 Amb	"	"	"	TPHD

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-31-02

City: Oakland Sampler: Joe

Well ID MW-7 Well Condition: O.K

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

Total Depth 13.18 ft.

Depth to Water 3.88 ft.

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

9.3 X VF 0.17 = 1.58 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 8:10 Weather Conditions: clear/cold

Sampling Time: 8:25 Am (0825) Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:10	1.5	7.76	11.95	67.0			
8:12	3	7.41	11.28	65.8			
8:15	5	7.38	11.27	65.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	1 Amb	"	"	"	TPHD

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-31-02

City: Oakland Sampler: Joe

Well ID MW-8 Well Condition: O.K.

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

Total Depth 14.82 ft.

Depth to Water 2.75 ft.

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

12.07 X VF 0.17 = 2.05 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

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

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

Starting Time: 7:17 Weather Conditions: clear/cold

Sampling Time: 7:42 Am (0742) Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm Sediment Description:

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
7:25	2	7.40	9.22	64.4			
7:28	4	7.32	9.17	64.8			
7:31	6.5	7.31	9.25	64.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	1 Amb	"	"	"	TPHD

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-31-02

City: Oakland Sampler: Joe

Well ID MW-9 Well Condition: O.K

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

Total Depth 12.48 ft

Depth to Water 2.08 ft

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

10.4 X VF 0.17 = 1.77 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: (Disposable Bailer) ~~Bailer~~ Stack Suction Grundfos Other:

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

Starting Time: 8:42 Weather Conditions: clear/cold

Sampling Time: 9:06 Am (0906) Water Color: clear Odor: none

Purging Flow Rate: ~~0.1~~ gpm. Sediment Description:

Did well de-water? Yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:50	1.5	7.63	6.59	64.6			
8:52	3	7.60	6.64	65.0			
8:55	5.5	7.57	6.72	65.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	1 Amb.	"	"	"	TPHD

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-31-02

City: Oakland Sampler: Joe

Well ID MW-10 Well Condition: O.K

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

Total Depth 12.77 ft.

Depth to Water 3.68 ft.

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

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

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

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

Starting Time: 9:47 Weather Conditions: clear/cold

Sampling Time: 10:05 Am (1005) Water Color: clear Odor: yes

Purging Flow Rate: 4.5 gpm Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:53	1.5	7.21	4.40	65.7			
9:55	3	7.25	4.94	65.2			
9:58	5	7.18	4.96	65.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 VOA	Y	HCL	Seq.	TPHG, BTEX, MTBE
	1 Amb	"	"	"	TPHD

COMMENTS: _____

GLOBAL ID# T0600101476

Chain-of-Custody-Record

TOSCO

Tosco Marketing Company
3500 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: TOSCO SS# 5043
Facility Address: 449 Hegenberger Rd., Oakland, CA
Consultant Project Number: 180065.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone) (925) 551-7555 (Fax Number) 925-551-7899

Contact (Name): MR. Dave DeWitt
(Phone): 925-277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): JOE ARJEMIAN
Collection Date: 1-31-02
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS: MLB0034 — Remarks
TB-LB	01	3 VOA	W	G	-	HCL	Y	✓												
MW-3	02	3 VOA, 1 AMB	"	"	0940	"	"	✓	✓											
MW-6	03	"	"	"	0714	"	"	✓	✓											
MW-7	04	"	"	"	0825	"	"	✓	✓											
MW-8	05	"	"	"	0742	"	"	✓	✓											
MW-9	06	"	"	"	0906	"	"	✓	✓											
MW-10	07	"	"	"	1005	"	"	✓	✓											

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	1-31-02 1500			1-31-02 1800
Relinquished By (Signature)	Organization	Date/Time 1800 2/1/02	Received By (Signature)	Organization	Date/Time 2/1/02
By (Signature)	Organization	Date/Time 2/1/02	Received For Laboratory By (Signature)		Date/Time 1430

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
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19 February, 2002

Deanna Harding
Gettler Ryan/Geostrategies - Tosco/Unocal
6747 Sierra Ct, Suite J
Dublin, CA 94568

RE: Tosco #5043,Oakland,Ca
Sequoia Report: MLB0034

Enclosed are the results of analyses for samples received by the laboratory on 01/31/02 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley
Project Manager

CA ELAP Certificate #1210

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Gettler Ryan/Geostrategies - Tosco/Unocal
6747 Sierra Ct, Suite J
Dublin CA, 94568

Project: Tosco #5043,Oakland,Ca
Project Number: 449 Hegenberger Rd.
Project Manager: Deanna Harding

Reported:
02/19/02 09:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	MLB0034-01	Water	01/31/02 00:00	01/31/02 18:00
MW-3	MLB0034-02	Water	01/31/02 09:40	01/31/02 18:00
MW-6	MLB0034-03	Water	01/31/02 07:14	01/31/02 18:00
MW-7	MLB0034-04	Water	01/31/02 08:25	01/31/02 18:00
MW-8	MLB0034-05	Water	01/31/02 07:42	01/31/02 18:00
MW-9	MLB0034-06	Water	01/31/02 09:06	01/31/02 18:00
MW-10	MLB0034-07	Water	01/31/02 10:05	01/31/02 18:00

Sequoia Analytical - Morgan Hill

James Hartley, Project Manager

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

Sequoia Analytical

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco #5043,Oakland,Ca	
6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (MLB0034-01) Water Sampled: 01/31/02 00:00 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2B12002	02/12/02	02/12/02	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	
MW-3 (MLB0034-02) Water Sampled: 01/31/02 09:40 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	**250**	100	ug/l	2	2B14003	02/14/02	02/14/02	8015Bm/8021B	P-03
Benzene	**3.5**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**110**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.1 %*	*70-130*		"	"	"	"	
MW-6 (MLB0034-03) Water Sampled: 01/31/02 07:14 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	**230000**	50000	ug/l	1000	2B12002	02/12/02	02/12/02	8015Bm/8021B	P-03
Benzene	**2400**	500	"	"	"	"	"	"	
Toluene	**1800**	500	"	"	"	"	"	"	
Ethylbenzene	**5400**	500	"	"	"	"	"	"	
Xylenes (total)	**16000**	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.2 %*	*70-130*		"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco #5043,Oakland,Ca	
6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MLB0034-04) Water Sampled: 01/31/02 08:25 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2B12002	02/12/02	02/12/02	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.4 %*		*70-130*		"	"	"	
MW-8 (MLB0034-05) Water Sampled: 01/31/02 07:42 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2B12002	02/12/02	02/12/02	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.0 %*		*70-130*		"	"	"	
MW-9 (MLB0034-06) Water Sampled: 01/31/02 09:06 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2B12002	02/12/02	02/12/02	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.8**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.4 %*		*70-130*		"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco #5043,Oakland,Ca	
6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MLB0034-07) Water Sampled: 01/31/02 10:05 Received: 01/31/02 18:00									
Gasoline Range Organics (C6-C10)	**110**	50	ug/l	1	2B12002	02/12/02	02/12/02	8015Bm/8021B	P-01
Benzene	**16**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.3**	0.50	"	"	"	"	"	"	
Xylenes (total)	**5.6**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*70-130*		"	"	"	"	

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6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Diesel Hydrocarbons (C10-C28) by 8015B modified

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MLB0034-02) Water Sampled: 01/31/02 09:40 Received: 01/31/02 18:00									
Diesel Range Organics (C10-C28)	**250**	51	ug/l	1	2B07022	02/07/02	02/08/02	8015Bm	D-15
Surrogate: n-Octacosane		*103 %*	*50-150*		"	"	"	"	
MW-6 (MLB0034-03) Water Sampled: 01/31/02 07:14 Received: 01/31/02 18:00									
Diesel Range Organics (C10-C28)	**11000**	1000	ug/l	20	2B07022	02/07/02	02/09/02	8015Bm	D-15
Surrogate: n-Octacosane		*194 %*	*50-150*		"	"	"	"	*S-06*
MW-7 (MLB0034-04) Water Sampled: 01/31/02 08:25 Received: 01/31/02 18:00									**HT-08**
Diesel Range Organics (C10-C28)	**90**	53	ug/l	1	2B08013	02/08/02	02/09/02	8015Bm	D-15
Surrogate: n-Octacosane		*94.1 %*	*50-150*		"	"	"	"	
MW-8 (MLB0034-05) Water Sampled: 01/31/02 07:42 Received: 01/31/02 18:00									**HT-08**
Diesel Range Organics (C10-C28)	**260**	53	ug/l	1	2B08013	02/08/02	02/09/02	8015Bm	D-15
Surrogate: n-Octacosane		*105 %*	*50-150*		"	"	"	"	
MW-9 (MLB0034-06) Water Sampled: 01/31/02 09:06 Received: 01/31/02 18:00									**HT-08**
Diesel Range Organics (C10-C28)	**200**	51	ug/l	1	2B08013	02/08/02	02/09/02	8015Bm	D-15
Surrogate: n-Octacosane		*104 %*	*50-150*		"	"	"	"	
MW-10 (MLB0034-07) Water Sampled: 01/31/02 10:05 Received: 01/31/02 18:00									**HT-08**
Diesel Range Organics (C10-C28)	**170**	52	ug/l	1	2B08013	02/08/02	02/09/02	8015Bm	D-15
Surrogate: n-Octacosane		*101 %*	*50-150*		"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco #5043,Oakland,Ca	
6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2B12002 - EPA 5030B [P/T]										
Blank (2B12002-BLK1)				Prepared & Analyzed: 02/12/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.84*		"	*10.0*		*98.4*	*70-130*			
LCS (2B12002-BS1)				Prepared & Analyzed: 02/12/02						
Benzene	10.5	0.50	ug/l	10.0		105	70-130			
Toluene	10.7	0.50	"	10.0		107	70-130			
Ethylbenzene	10.9	0.50	"	10.0		109	70-130			
Xylenes (total)	32.7	0.50	"	30.0		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.98*		"	*10.0*		*99.8*	*70-130*			
LCS (2B12002-BS2)				Prepared & Analyzed: 02/12/02						
Gasoline Range Organics (C6-C10)	265	50	ug/l	250		106	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.55*		"	*10.0*		*95.5*	*70-130*			
Matrix Spike (2B12002-MS1)		**Source: MLB0034-06**		Prepared & Analyzed: 02/12/02						
Gasoline Range Organics (C6-C10)	548	50	ug/l	550	ND	99.6	60-140			
Benzene	11.1	0.50	"	6.60	ND	168	60-140			QM-07
Toluene	40.9	0.50	"	39.7	ND	103	60-140			
Ethylbenzene	9.92	0.50	"	9.20	ND	108	60-140			
Xylenes (total)	47.7	0.50	"	46.1	ND	103	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			
Matrix Spike Dup (2B12002-MSD1)		**Source: MLB0034-06**		Prepared & Analyzed: 02/12/02						
Gasoline Range Organics (C6-C10)	570	50	ug/l	550	ND	104	60-140	3.94	25	
Benzene	11.6	0.50	"	6.60	ND	176	60-140	4.41	25	QM-07
Toluene	42.4	0.50	"	39.7	ND	107	60-140	3.60	25	
Ethylbenzene	10.4	0.50	"	9.20	ND	113	60-140	4.72	25	
Xylenes (total)	49.6	0.50	"	46.1	ND	108	60-140	3.91	25	
Surrogate: a,a,a-Trifluorotoluene	*10.3*		"	*10.0*		*103*	*70-130*			

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco #5043,Oakland,Ca	
6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2B14003 - EPA 5030B [P/T]										
Blank (2B14003-BLK1)				Prepared & Analyzed: 02/14/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.78*		"	*10.0*		*97.8*	*70-130*			
LCS (2B14003-BS1)				Prepared & Analyzed: 02/14/02						
Benzene	10.4	0.50	ug/l	10.0		104	70-130			
Toluene	9.86	0.50	"	10.0		98.6	70-130			
Ethylbenzene	9.20	0.50	"	10.0		92.0	70-130			
Xylenes (total)	28.1	0.50	"	30.0		93.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.0*		"	*10.0*		*100*	*70-130*			
LCS (2B14003-BS2)				Prepared & Analyzed: 02/14/02						
Gasoline Range Organics (C6-C10)	273	50	ug/l	250		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.6*		"	*10.0*		*116*	*70-130*			
Matrix Spike (2B14003-MS1)		**Source: MLB0181-01**		Prepared & Analyzed: 02/14/02						
Gasoline Range Organics (C6-C10)	591	50	ug/l	550	ND	107	60-140			
Benzene	8.57	0.50	"	6.60	ND	130	60-140			
Toluene	34.6	0.50	"	39.7	ND	87.2	60-140			
Ethylbenzene	7.78	0.50	"	9.20	ND	84.6	60-140			
Xylenes (total)	38.6	0.50	"	46.1	ND	83.7	60-140			
Surrogate: a,a,a-Trifluorotoluene	*12.6*		"	*10.0*		*126*	*70-130*			
Matrix Spike Dup (2B14003-MSD1)		**Source: MLB0181-01**		Prepared & Analyzed: 02/14/02						
Gasoline Range Organics (C6-C10)	614	50	ug/l	550	ND	112	60-140	3.82	25	
Benzene	9.03	0.50	"	6.60	ND	137	60-140	5.23	25	
Toluene	37.0	0.50	"	39.7	ND	93.2	60-140	6.70	25	
Ethylbenzene	8.25	0.50	"	9.20	ND	89.7	60-140	5.86	25	
Xylenes (total)	40.7	0.50	"	46.1	ND	88.3	60-140	5.30	25	
Surrogate: a,a,a-Trifluorotoluene	*12.3*		"	*10.0*		*123*	*70-130*			

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6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Diesel Hydrocarbons (C10-C28) by 8015B modified - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2B07022 - EPA 3510B										
Blank (2B07022-BLK1)				Prepared: 02/07/02 Analyzed: 02/08/02						
Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*37.1*		"	*50.0*		*74.2*	*50-150*			
LCS (2B07022-BS1)				Prepared: 02/07/02 Analyzed: 02/08/02						
Diesel Range Organics (C10-C28)	430	50	ug/l	500		86.0	60-140			
Surrogate: n-Octacosane	*38.1*		"	*50.0*		*76.2*	*50-150*			
LCS Dup (2B07022-BSD1)				Prepared: 02/07/02 Analyzed: 02/08/02						
Diesel Range Organics (C10-C28)	392	50	ug/l	500		78.4	60-140	9.25	50	
Surrogate: n-Octacosane	*36.1*		"	*50.0*		*72.2*	*50-150*			
Batch 2B08013 - EPA 3510B										
Blank (2B08013-BLK1)				Prepared & Analyzed: 02/08/02						
Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*41.3*		"	*50.0*		*82.6*	*50-150*			
LCS (2B08013-BS1)				Prepared: 02/08/02 Analyzed: 02/09/02						
Diesel Range Organics (C10-C28)	546	50	ug/l	500		109	60-140			
Surrogate: n-Octacosane	*43.6*		"	*50.0*		*87.2*	*50-150*			
LCS Dup (2B08013-BSD1)				Prepared: 02/08/02 Analyzed: 02/09/02						
Diesel Range Organics (C10-C28)	387	50	ug/l	500		77.4	60-140	34.1	50	
Surrogate: n-Octacosane	*34.3*		"	*50.0*		*68.6*	*50-150*			

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6747 Sierra Ct, Suite J	Project Number: 449 Hegenberger Rd.	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	02/19/02 09:06

Notes and Definitions

D-15	Chromatogram Pattern: Unidentified Hydrocarbons C10-C28
HT-08	EPA 8015B recommends a 7 day holding time. However, according to the 14 day holding time referenced in the California LUFT manual, the results are valid and useful for their intended purpose.
P-01	Chromatogram Pattern: Gasoline C6-C10
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-06	The recovery of this surrogate is outside control limits due to sample dilution which was required by high analyte concentration in the sample and/or matrix interference.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference