GETTLER-RYAN INC.

TRANSMITTAL

January 30, 2001
G-R #180065

TO: Mr. David B. De Witt
Tosco Marketing 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) SS#5043
449 Hegenberger Road
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 14, 2000	Groundwater Monitoring and Sampling Report Fourth Quarter - Events of August 24, September 27, and October 26, 2000

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***February 8, 2001***, 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.

December 14, 2000
G-R Job #180065

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

RE: Fourth Quarter 2000 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

Dear Mr. De Witt:

This report documents the monthly site visits and the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On August 24, and September 27, 2000, field personnel monitored one well (MW-6). On October 26, 2000, field personnel monitored and sampled four wells (MW-3, MW-6, MW-9, and MW-10).

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

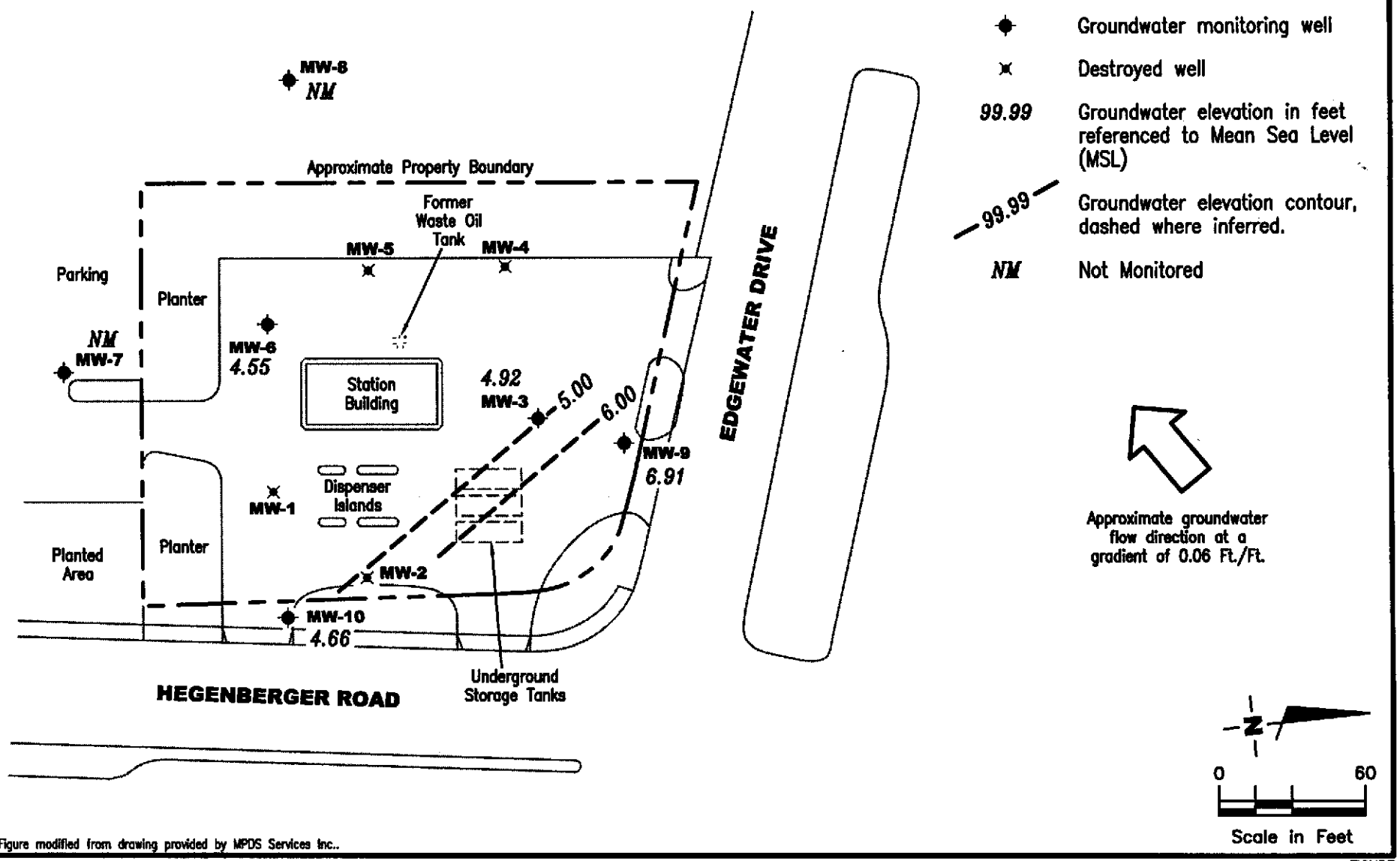
For

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

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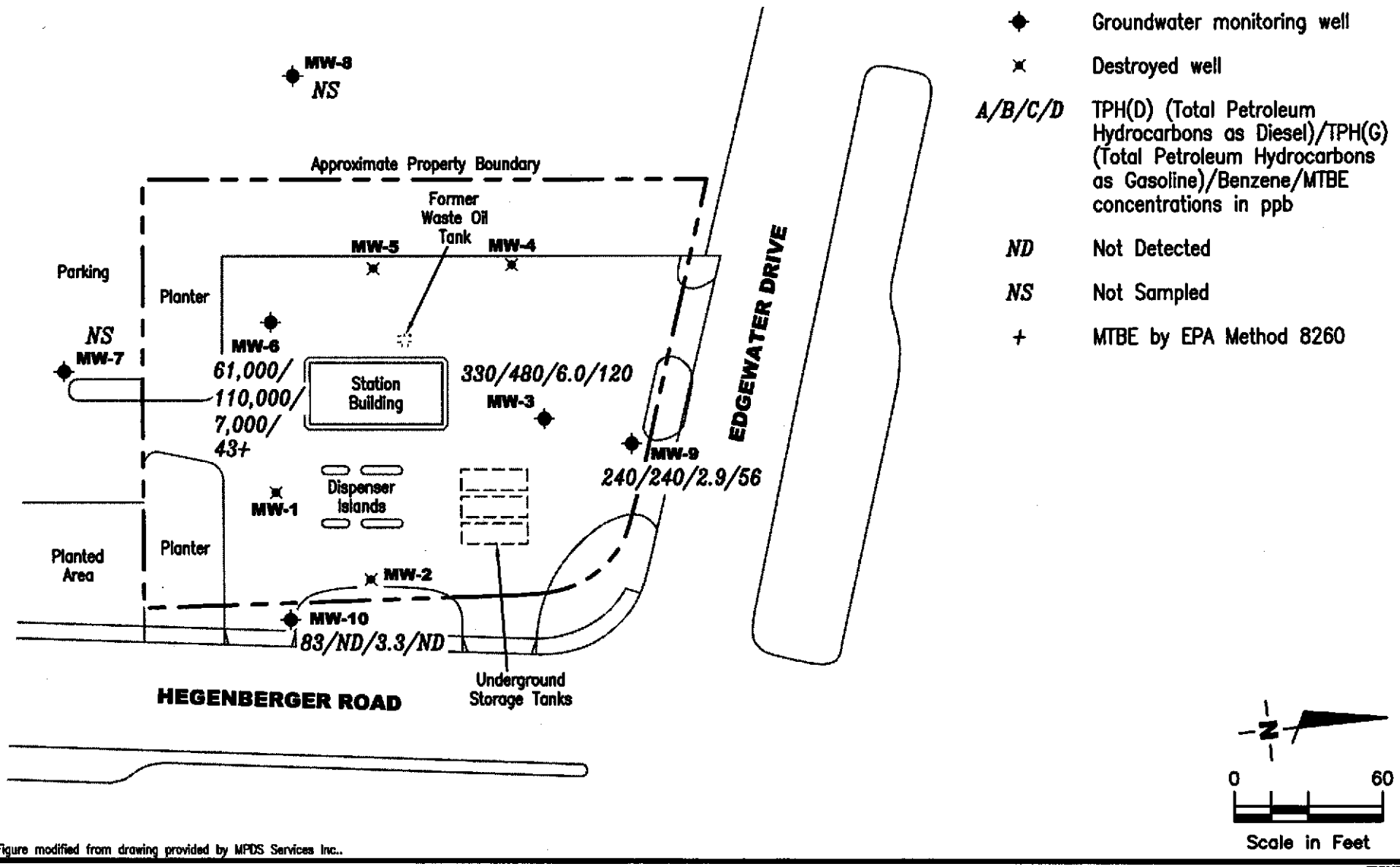
POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5043
449 Hegenberger Road
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		October 26, 2000	

FILE NAME: P:\ENVIRO\TOSCO\5043\Q00-5043.DWG | Layout Tab: Pot4



EXPLANATION

◆	Groundwater monitoring well
✕	Destroyed well
A/B/C/D	TPH(D) (Total Petroleum Hydrocarbons as Diesel)/TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/MTBE concentrations in ppb
ND	Not Detected
NS	Not Sampled
+	MTBE by EPA Method 8260

N

0 60

Scale in Feet

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
180065

REVIEWED BY

DATE
October 26, 2000

REVISED DATE

FILE NAME: P:\ENVIRO\TOSCO\5043\G00-5043.DWG | Layout Tab: Con4

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.L (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					--	--
	05/18/95	DESTROYED (3/95)		--	--	--	--	--	--	--	--	--
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	--
	05/18/95	DESTROYED (3/95)		--	--	--	--	--	--	--	--	--
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
	01/14/98	2.16		5.88	0.00	340[7]	310	ND	ND	0.62	0.65	140

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Groundwater Monitoring Data and Analytical Results

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

WELL ID/ TOC*	DATE	DTW (ft.)	S.L (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	04/01/98	2.20	2.5-14.0	5.84	0.00	320[7]	370	5.7	ND[9]	ND[9]	ND[9]	93
(cont)	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**
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	--	--	--	--	--	--	--
	08/15/94	4.27		4.14	0.00	72[2]	59[4]	ND	0.6	ND	ND	--
	11/14/94	4.05		4.36	0.00	ND	130[4]	ND	ND	ND	ND	--
	02/21/95	DESTROYED (1/95)		--	--	--	--	--	--	--	--	--

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-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	--
	02/21/95	DESTROYED (1/95)		--	--	--	--	--	--	--	--	--
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	--
	05/18/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--

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	12/19/96	4.80	2.5-13.5	5.76**	2.20	--	--	--	--	--	--	--
(cont)	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					--	--
	02/12/98	3.35		6.01**	0.64	--	--	--	--	--	--	--
	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					--	--

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	11/06/98	3.98	2.5-13.5	5.02**	0.17	--	--	--	--	--	--	--
(cont)	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]
	08/24/00	**3.71**		**5.16**	**0.00**	--	--	--	--	--	--	--
	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]**

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-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
	NOT MONITORED/SAMPLED											
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

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	04/15/99	2.40	3.0-15.1	6.12	0.00	91[12]	ND	ND	ND	ND	ND	ND
(cont)	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
	NOT MONITORED/SAMPLED											
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
	04/01/98	0.85		7.44	0.00	110[7]	ND	ND	ND	ND	ND	ND
	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**

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	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
	10/16/98	4.11		4.51	0.00	ND	160[16]	44	0.96	2.5	10	17
	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**

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)
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**

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(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
TOG = Total Oil and Grease

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

** Groundwater elevation corrected for the presence of free product [(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 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.
21 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C16.

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

EXPLANATIONS:

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.

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]**	--	--	--	--	--

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 = Dichloroethane
EDB = Ethylene dibromide
(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 preformed 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
	04/15/99[1]	4.23	0.95	1.0 product

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	05/28/99[1]	4.38	0.39	0.141 product/1.0 water
(cont)	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**

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

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONTHLY MONITORING
EVENT OF AUGUST 24, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # TOSCO #5043 Job#: 180065

Address: 449 HEGENBERGER Rd Date: 8/24/00

City: OAKLAND, CA Sampler: H. KEVORK

Well ID MW-6 Well Condition: OK

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

Total Depth 12.75 ft.

Depth to Water 3.71 ft.

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

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

Purge Equipment: N/A
- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other: _____

Sampling Equipment: N/A
- Disposable Bailer
- Bailer
- Pressure Bailer
- Grab Sample
- Other: _____

Starting Time: N/A Weather Conditions: SUNNY

Sampling Time: N/A Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm. Sediment Description: _____

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	X VOA VIAL	Y	HCL		TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY
NO PRODUCT FOUND IN WELL.

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONTHLY MONITORING
EVENT OF SEPTEMBER 27, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Date: 9-27-00

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 12.75 ft.

Depth to Water 4.33 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

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

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

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

Starting Time: _____ Weather Conditions: _____

Sampling Time: _____ Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm Sediment Description: _____

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

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

LABORATORY INFORMATION

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

COMMENTS: No product found in well. However, well water stunk

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING & SAMPLING
EVENT OF OCTOBER 26, 2000

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 10-26-00

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 14.05 ft.

Depth to Water 3.12 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

10.93 x VF 0.17 = 1.86 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: 2140 Weather Conditions: Heavy rain

Sampling Time: 3:07 P.M. Water Color: clear Odor: light

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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)
2:50	1.5	7.04	2.20	65.2			
2:53	3	6.95	2.25	65.1			
2:57	5.5	6.96	2.22	65.3			

LABORATORY INFORMATION

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

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 10-26-00

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 12.75 ft.

Depth to Water 4.32 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

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

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

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

Starting Time: 3:46 Weather Conditions: Heavy rain

Sampling Time: 4:05 p.m. Water Color: clear Odor: Strong

Purging Flow Rate: 0.5 gpm Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (above) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:52	1.5	6.75	0.90	64.6			
3:55	3	6.78	0.92	64.7			
3:58	4.5	6.88	0.94	64.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE by 8260
	1 Amb.	"	—	"	TPHD

COMMENTS: Purged & Sampled

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 10-26-00

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 11.95 ft.

Depth to Water 1.38 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

10.57 x VF 0.17 = 1.80 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: 2:10 Weather Conditions: Heavy rain

Sampling Time: 2:30 p.m. Water Color: clear Odor: mild

Purging Flow Rate: 0.5 gpm Sediment Description: none

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)
2:10	1.5	7.57	5.35	64.9			
2:14	3	7.50	5.32	65.0			
2:17	5.5	7.47	5.35	65.0			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 10-26-00

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 12.80 ft.

Depth to Water 3.96 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.50	

8.84 X VF 0.17 = 1.50 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: 3:15 Weather Conditions: Heavy rain

Sampling Time: 3:40 p.m. Water Color: clear Odor: yes

Purging Flow Rate: 0.5 gpm. Sediment Description: none

Did well de-water? Yes If yes; Time: 3:30 Volume: 4.5 (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:24	1.5	7.06	3.92	65.1			
3:27	3.5	7.15	4.15	65.2			
3:30	4.5	7.18	4.12	65.3			

LABORATORY INFORMATION

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

COMMENTS:

TOSCO

Tosco Marketing Company
2000 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: UNOCAL SS# 5043
Facility Address: 449 Hegenberger Road, 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): 510-551-7555 (Fax Number): 510-551-7888

Contact (Name): MR. DAVID DEWITT
(Phone): 925-277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number: WO10691
Samples Collected by (Name): JOE ASEMIAN
Collection Date: 10-26-00
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 w/MTBE (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 Remarks
TB-LB	01A	VOA	W	G	—	HCl	Y	✓													MW-6 MTBE hit by 8260
MW-3	02A-D	3 VOA 1 Amb	"	"	3:07	"	"	✓	✓												
MW-6	03A-D	"	"	"	4:05	"	"	✓	✓												
MW-9	04A-D	"	"	"	2:30	"	"	✓	✓												
MW-10	05A-D	"	"	"	3:40	"	"	✓	✓												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	10-26-00 5:00 PM			10/26/00
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
				Capitol Bay	10/27 1245
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	Capitol Bay	10/27		WC	10/27/00 16:10

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

Sequoia
Analytical

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Walnut Creek, CA 94598
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www.sequoialabs.com

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

RE: Unocal
Sequoia Report: W010691

Enclosed are the results of analyses for samples received by the laboratory on 26-Oct-00 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TBLB	W010691-01	Water	26-Oct-00 00:00	26-Oct-00 18:00
MW-3	W010691-02	Water	26-Oct-00 15:07	26-Oct-00 18:00
MW-6	W010691-03	Water	26-Oct-00 16:05	26-Oct-00 18:00
MW-9	W010691-04	Water	26-Oct-00 14:30	26-Oct-00 18:00
MW-10	W010691-05	Water	26-Oct-00 15:40	26-Oct-00 18:00

Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TBLB (W010691-01) Water Sampled: 26-Oct-00 00:00 Received: 26-Oct-00 18:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0K08002	08-Nov-00	08-Nov-00	EPA 8015M/8020	
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-3 (W010691-02) Water Sampled: 26-Oct-00 15:07 Received: 26-Oct-00 18:00									**P-01**
Purgeable Hydrocarbons	**480**	130	ug/l	2.5	0K08002	08-Nov-00	08-Nov-00	EPA 8015M/8020	
Benzene	**6.0**	1.3	"	"	"	"	"	"	
Toluene	ND	1.3	"	"	"	"	"	"	
Ethylbenzene	ND	1.3	"	"	"	"	"	"	
Xylenes (total)	ND	1.3	"	"	"	"	"	"	
Methyl tert-butyl ether	**120**	6.3	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*76.7 %*		*70-130*	"	"	"	"	
MW-6 (W010691-03) Water Sampled: 26-Oct-00 16:05 Received: 26-Oct-00 18:00									**P-01**
Purgeable Hydrocarbons	**110000**	10000	ug/l	200	0K08002	08-Nov-00	08-Nov-00	EPA 8015M/8020	
Benzene	**7000**	100	"	"	"	"	"	"	
Toluene	**6200**	100	"	"	"	"	"	"	
Ethylbenzene	**3700**	100	"	"	"	"	"	"	
Xylenes (total)	**12000**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**670**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.3 %*		*70-130*	"	"	"	"	

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (W010691-04) Water Sampled: 26-Oct-00 14:30 Received: 26-Oct-00 18:00									**P-01**
Purgeable Hydrocarbons	**240**	50	ug/l	1	0K08002	08-Nov-00	08-Nov-00	EPA 8015M/8020	
Benzene	**2.9**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**56**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*72.0 %*	*70-130*		"	"	"	"	
MW-10 (W010691-05) Water Sampled: 26-Oct-00 15:40 Received: 26-Oct-00 18:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0K09002	09-Nov-00	09-Nov-00	EPA 8015M/8020	
Benzene	**3.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.83**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.5**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Report Revised:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	16-Jan-01 11:24

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W010691-02) Water	**Sampled: 26-Oct-00 15:07**	**Received: 26-Oct-00 18:00**							
Diesel Range Hydrocarbons	**330**	67	ug/l	1	0K09009	09-Nov-00	15-Nov-00	EPA 8015M	D-02
Surrogate: n-Pentacosane		*94.1 %*	*50-150*		"	"	"	"	
MW-6 (W010691-03) Water	**Sampled: 26-Oct-00 16:05**	**Received: 26-Oct-00 18:00**							
Diesel Range Hydrocarbons	**61000**	1300	ug/l	20	0K09009	09-Nov-00	15-Nov-00	EPA 8015M	D-11
Surrogate: n-Pentacosane		*20.0 %*	*50-150*		"	"	"	"	*S-04*
MW-9 (W010691-04) Water	**Sampled: 26-Oct-00 14:30**	**Received: 26-Oct-00 18:00**							
Diesel Range Hydrocarbons	**240**	63	ug/l	1	0K09009	09-Nov-00	13-Nov-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		*79.1 %*	*50-150*		"	"	"	"	
MW-10 (W010691-05) Water	**Sampled: 26-Oct-00 15:40**	**Received: 26-Oct-00 18:00**							
Diesel Range Hydrocarbons	**83**	67	ug/l	1	0K09009	09-Nov-00	13-Nov-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		*96.2 %*	*50-150*		"	"	"	"	

Sequoia Analytical - Walnut Creek

Charlie Westwater, Project Manager

This report represents a revision of the original document. 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, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (W010691-03) Water Sampled: 26-Oct-00 16:05 Received: 26-Oct-00 18:00									**A-03**
Methyl tert-butyl ether	**43**	10	ug/l	5	0K11007	10-Nov-00	10-Nov-00	EPA 8260B	
Surrogate: Dibromofluoromethane		*108 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*12.0 %*	*50-150*		"	"	"	"	*S-04*

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K08002 - EPA 5030B [P/T]										
Blank (0K08002-BLK1)				Prepared & Analyzed: 08-Nov-00						
Purgeable Hydrocarbons	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	*29.4*		"	*30.0*		*98.0*	*70-130*			
LCS (0K08002-BS1)				Prepared & Analyzed: 08-Nov-00						
Benzene	18.3	0.50	ug/l	20.0		91.5	70-130			
Toluene	19.2	0.50	"	20.0		96.0	70-130			
Ethylbenzene	20.2	0.50	"	20.0		101	70-130			
Xylenes (total)	61.0	0.50	"	60.0		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.9*		"	*30.0*		*96.3*	*70-130*			
Matrix Spike (0K08002-MS1)		Source: W011167-02		Prepared & Analyzed: 08-Nov-00						
Benzene	18.8	0.50	ug/l	20.0	ND	94.0	70-130			
Toluene	19.7	0.50	"	20.0	ND	98.5	70-130			
Ethylbenzene	20.6	0.50	"	20.0	ND	103	70-130			
Xylenes (total)	62.5	0.50	"	60.0	ND	104	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.9*		"	*30.0*		*96.3*	*70-130*			
Matrix Spike Dup (0K08002-MSD1)		Source: W011167-02		Prepared & Analyzed: 08-Nov-00						
Benzene	18.3	0.50	ug/l	20.0	ND	91.5	70-130	2.70	20	
Toluene	19.0	0.50	"	20.0	ND	95.0	70-130	3.62	20	
Ethylbenzene	19.9	0.50	"	20.0	ND	99.5	70-130	3.46	20	
Xylenes (total)	59.9	0.50	"	60.0	ND	99.8	70-130	4.25	20	
Surrogate: a,a,a-Trifluorotoluene	*29.6*		"	*30.0*		*98.7*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K09002 - EPA 5030B [P/T]										
Blank (0K09002-BLK1)				Prepared & Analyzed: 09-Nov-00						
Purgeable Hydrocarbons	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	*29.3*		"	*30.0*		*97.7*	*70-130*			
LCS (0K09002-BS1)				Prepared & Analyzed: 09-Nov-00						
Benzene	18.6	0.50	ug/l	20.0		93.0	70-130			
Toluene	19.2	0.50	"	20.0		96.0	70-130			
Ethylbenzene	20.2	0.50	"	20.0		101	70-130			
Xylenes (total)	59.3	0.50	"	60.0		98.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.1*		"	*30.0*		*97.0*	*70-130*			
Matrix Spike (0K09002-MS1)		**Source: W010700-11**		Prepared & Analyzed: 09-Nov-00						
Benzene	21.1	0.50	ug/l	20.0	ND	106	70-130			
Toluene	21.7	0.50	"	20.0	ND	109	70-130			
Ethylbenzene	22.7	0.50	"	20.0	ND	114	70-130			
Xylenes (total)	68.2	0.50	"	60.0	ND	114	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.0*		"	*30.0*		*100*	*70-130*			
Matrix Spike Dup (0K09002-MSD1)		**Source: W010700-11**		Prepared & Analyzed: 09-Nov-00						
Benzene	19.8	0.50	ug/l	20.0	ND	99.0	70-130	6.36	20	
Toluene	20.5	0.50	"	20.0	ND	103	70-130	5.69	20	
Ethylbenzene	21.7	0.50	"	20.0	ND	109	70-130	4.50	20	
Xylenes (total)	64.8	0.50	"	60.0	ND	108	70-130	5.11	20	
Surrogate: a,a,a-Trifluorotoluene	*28.8*		"	*30.0*		*96.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Unocal Project Number: Unocal # 5043 Project Manager: Deanna L. Harding	**Reported:** 17-Nov-00 08:07

Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K09009 - EPA 3510B										
Blank (0K09009-BLK1)				Prepared: 09-Nov-00 Analyzed: 10-Nov-00						
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	*32.3*		"	*33.3*		*97.0*	*50-150*			
LCS (0K09009-BS1)				Prepared: 09-Nov-00 Analyzed: 14-Nov-00						
Diesel Range Hydrocarbons	354	50	ug/l	500		70.8	60-140			
Surrogate: n-Pentacosane	*34.7*		"	*33.3*		*104*	*50-150*			
LCS Dup (0K09009-BSD1)				Prepared: 09-Nov-00 Analyzed: 10-Nov-00						
Diesel Range Hydrocarbons	307	50	ug/l	500		61.4	60-140	14.2	50	
Surrogate: n-Pentacosane	*30.7*		"	*33.3*		*92.2*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

MTBE Confirmation by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K11007 - EPA 5030B [P/T]										
Blank (0K11007-BLK1)				Prepared & Analyzed: 10-Nov-00						
Methyl tert-butyl ether	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*51.0*		"	*50.0*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*51.0*		"	*50.0*		*102*	*50-150*			
LCS (0K11007-BS1)				Prepared & Analyzed: 10-Nov-00						
Methyl tert-butyl ether	50.0	2.0	ug/l	50.0		100	70-130			
Surrogate: Dibromofluoromethane	*51.0*		"	*50.0*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*47.0*		"	*50.0*		*94.0*	*50-150*			
LCS Dup (0K11007-BSD1)				Prepared & Analyzed: 10-Nov-00						
Methyl tert-butyl ether	47.9	2.0	ug/l	50.0		95.8	70-130	4.29	25	
Surrogate: Dibromofluoromethane	*51.0*		"	*50.0*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*49.0*		"	*50.0*		*98.0*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	17-Nov-00 08:07

Notes and Definitions

A-03	This sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.
D-02	Chromatogram Pattern: Unidentified Hydrocarbons C9-C40.
D-11	Chromatogram Pattern: Unidentified Hydrocarbons < C16
D-12	Chromatogram Pattern: Unidentified Hydrocarbons > C16
D-14	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
P-01	Chromatogram Pattern: Gasoline C6-C12
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference