GETTLER-RYAN INC.

TRANSMITTAL

AUG 07 2001

July 17, 2001
G-R #180075

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

CC: Mr. David Vossler
Gettler-Ryan Inc.
Petaluma, California

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

RE: Tosco (Unocal) SS #7376
4191 First Street
Pleasanton, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 9, 2001	Groundwater Monitoring and Sampling Report Second Quarter - Event of June 14, 2001

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***August 2, 2001***, this report will be distributed to the following:

cc: Mr. Scott Seary, Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502
Ms. Carol Mahoney, Zone 7 Water District, 5997 Parkside Drive, Pleasanton, CA 94588

Enclosure

trans/7376-dbd

GETTLER-RYAN INC.

July 9, 2001
G-R Job #180075

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

RE: Second Quarter Event of June 14, 2001
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #7376
4191 First Street
Pleasanton, California

Dear Mr. De Witt:

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

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in one well (MW-5). Static water level data and groundwater elevations are summarized in Table 1. Product Thickness/Removal Data is summarized in Table 2. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 3, and 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: Product Thickness/Removal Data
Table 3: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

7376.qml

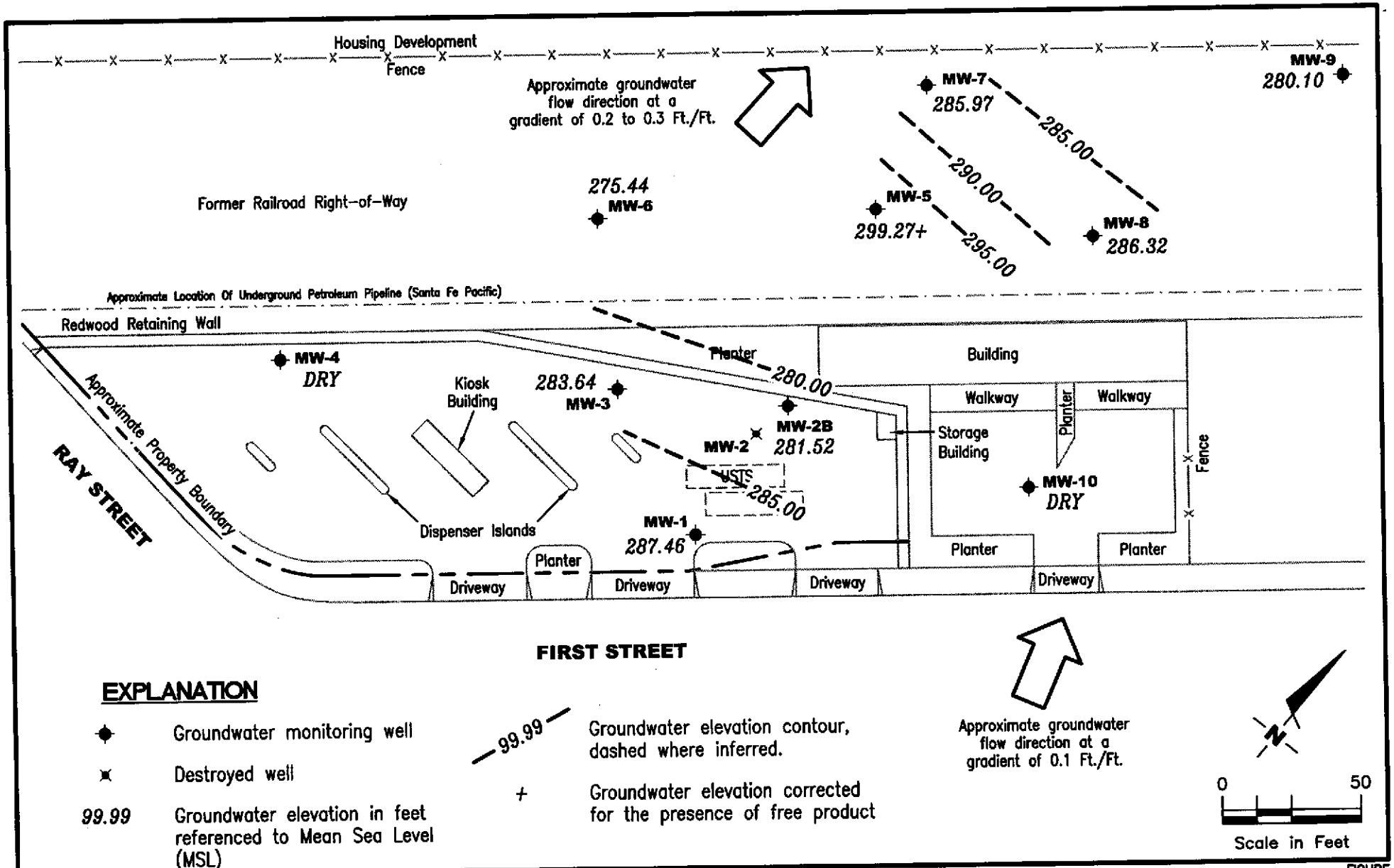


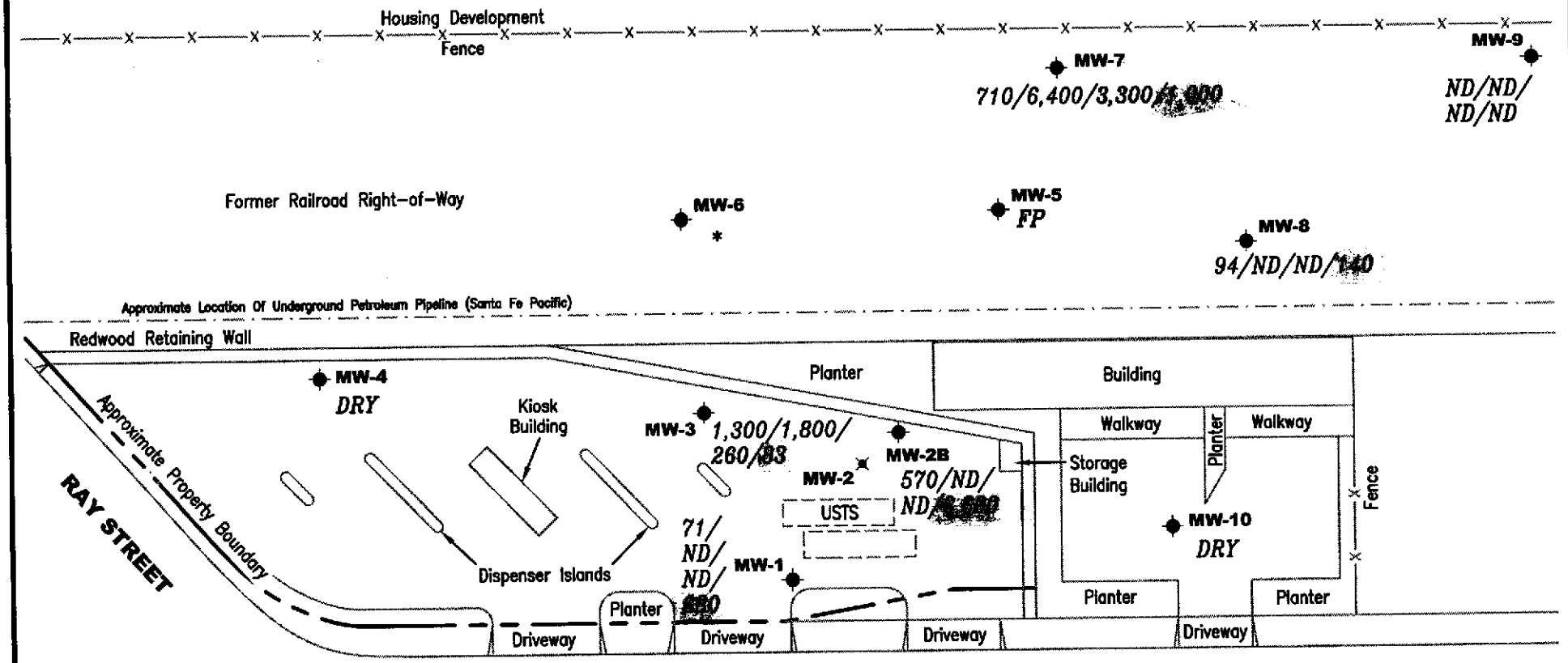
FIGURE 1

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

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #7376
4191 First Street
Pleasanton, California

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180075		June 14, 2001	

FILE NAME: P:\ENVIRO\TOSCO\7376\Q01-7376.DWG | Layout Tab: Pot2



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/[illegible] concentrations in ppb
- *ND* Not Detected
- * Not sampled due to insufficient water
- *FP* Free Product

N

0 50

Scale in Feet

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

CONCENTRATION MAP
Tosco (Unocal) Service Station #7376
4191 First Street
Pleasanton, California

FIGURE
2

PROJECT NUMBER
180075

REVIEWED BY

DATE
June 14, 2001

REVISED DATE

FILE NAME: P:\ENVIRO\TOSCO\7376\Q01-7376.DWG | Layout Tab: Con2

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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												
	12/08/87[1]	--	65.0-95.0	--	--	2,100[2]	50[3]	58	8.0	ND	10	--
366.99	12/07/94	81.04		285.95	0.00	--	ND	ND	ND	ND	ND	--
	03/01/95	80.09		286.90	0.00	120	ND	ND	1.1	ND	1.3	--
	06/01/95	77.53		289.46	0.00	54[5]	130	1.0	2.9	0.79	4.5	--
	09/06/95	79.00		287.99	0.00	690	ND	ND	ND	ND	ND	--[6]
	12/12/95	77.55		289.44	0.00	190[5]	ND	ND	ND	ND	ND	--
	03/01/96	75.09		291.90	0.00	56	ND	ND	ND	ND	ND	370
	06/15/96	75.07		291.92	0.00	ND	ND	ND	ND	ND	ND	270
	09/18/96	79.90		287.09	0.00	130[5]	ND	ND	ND	ND	ND	590
	12/21/96	78.96		288.03	0.00	ND	ND	ND	ND	ND	ND	150
	03/07/97	71.49		295.50	0.00	ND	ND	ND	ND	ND	ND	220
	06/27/97	80.05		286.94	0.00	ND	ND	ND	ND	ND	ND	17
	09/29/97	80.04		286.95	0.00	ND	ND	ND	ND	ND	ND	24
	12/15/97	80.07		286.92	0.00	ND	ND	ND	ND	ND	ND	25
	03/16/98	71.00		295.99	0.00	ND	ND	ND	0.52	ND	0.71	190
366.98	06/26/98	79.29		287.69	0.00	ND	59[13]	0.90	ND	ND	ND	570
	08/18/98	79.93		287.05	0.00	--	--	--	--	--	--	--
	09/22/98	79.99		286.99	0.00	240[20]	ND	ND	ND	ND	ND	170
	12/15/98	80.02		286.96	0.00	ND	ND	ND	ND	ND	ND	63
	12/23/98	80.02		286.96	0.00	--	--	--	--	--	--	--
	03/15/99	78.95		288.03	0.00	67[24]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	520
	03/23/99	78.69		288.29	0.00	--	--	--	--	--	--	--
	06/07/99	79.82		287.16	0.00	ND	ND	ND	ND	ND	ND	310
	09/03/99	79.74		287.24	0.00	76[19]	ND	ND	ND	ND	ND	67/55.2[27]
	12/06/99	79.74		287.24	0.00	ND	ND	ND	ND	ND	ND	120
	03/10/00	79.66		287.32	0.00	51[19]	ND	ND	ND	ND	ND	100
	06/08/00	79.57		287.41	0.00	68.2[20]	ND	ND	ND	ND	ND	98.9

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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	09/25/00	79.48	65.0-95.0	287.50	0.00	ND	ND	ND	ND	ND	ND	145
(cont)	12/19/00	79.64		287.34	0.00	ND	ND	ND	ND	ND	ND	330
	03/05/01	80.03		286.95	0.00	505[20]	ND	ND	ND	ND	ND	711
	06/14/01	**79.52**		**287.46**	**0.00**	**71[20]**	**ND**	**ND**	**ND**	**ND**	**ND**	**680**
MW-2	12/08/87	--	--	--	--	620[2]	1,800[3]	910	800	260	1,200	--
	12/07/94	DAMAGED		--	--	--	--	--	--	--	--	--
	DESTROYED											
MW-2B												
365.05	03/01/95	80.80	65.0-85.0	284.25	0.00	320	ND	ND	ND	ND	ND	--
	06/01/95	75.69		289.36	0.00	280	350	19	5.8	ND	7.7	--
	09/06/95	77.54		287.51	0.00	ND	ND	90	ND	ND	ND	--[6]
	12/12/95	75.96		289.09	0.00	850[4]	1,200	630	ND	15	57	--[7]
	03/01/96	73.27		291.78	0.00	870[4]	1,000	620	ND	ND	5.3	4,300
	06/15/96	73.21		291.84	0.00	420	910	350	ND	ND	ND	3,700
	09/18/96	81.08		283.97	0.00	600	1,200	95	ND	ND	ND	5,200
	12/21/96	77.35		287.70	0.00	470	330[8]	57	ND	ND	ND	2,900
	03/07/97	69.67		295.38	0.00	870[4]	190	28	0.64	ND	1.5	4,300
	06/27/97	82.40		282.65	0.00	680[4]	98	3.4	1.0	0.53	ND	3,100
	09/29/97	82.72		282.33	0.00	430	ND	ND	ND	ND	ND	3,000
	12/15/97	82.57		282.48	0.00	490	54[9]	ND	ND	ND	ND	4,100
	03/16/98	69.13		295.92	0.00	4,000[10]	ND[11]	17	ND[11]	ND[11]	ND[11]	4,400
365.05	06/26/98	77.78		287.27	0.00	790[14]	ND	ND	ND	ND	ND	4,000
	08/18/98	83.99		281.06	0.00	--	--	--	--	--	--	--
	09/22/98	83.89		281.16	0.00	930[20]	ND[11]	ND[11]	ND[11]	ND[11]	21	4,600
	12/15/98	82.84		282.21	0.00	600	ND	ND	ND	ND	ND	5,100
	12/23/98	82.55		282.50	0.00	--	--	--	--	--	--	--
	03/15/99	77.31		287.74	0.00	390[25]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	4,300/4,800[27]

* As of 06/14/01

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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-2B	03/23/99	77.06	65.0-85.0	287.99	0.00	--	--	--	--	--	--	--
(cont)	06/07/99	82.96		282.09	0.00	770[25]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	5,100
	09/03/99	84.16		280.89	0.00	870[20]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	6,300/4,400[27]
	12/06/99	84.41		280.64	0.00	850[32]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	4,400
	03/10/00	82.42		282.63	0.00	1,500[20]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	6,900
	06/08/00	82.73		282.32	0.00	--[34]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	7,780
	09/25/00	84.24		280.81	0.00	2,900[20]	52.9[30]	8.83	6.58	0.932	5.60	12,200
	12/19/00	84.39		280.66	0.00	700[19]	ND[11]	ND[11]	ND[11]	ND[11]	ND[11]	6,000
	03/05/01	84.61		280.44	0.00	--[36]	ND	ND	ND	ND	ND	5,890
NP	**06/14/01**	**83.53**		**281.52**	**0.00**	**570[20]**	**ND**	**ND**	**ND**	**ND**	**ND**	**6,600**
MW-3												
	12/08/87	--	76.5-96.5	--	--	2,300[2]	24,000[3]	2,600	1,300	160	660	--
367.01	12/07/94	85.54		281.47	0.00	--	ND	ND	ND	ND	ND	--
	03/01/95	83.20		283.81	0.00	140[4]	ND	ND	1.1	ND	1.1	--
	06/01/95	77.60		289.41	0.00	140[5]	62	7.8	0.90	ND	1.6	--
	09/06/95	79.28		287.73	0.00	880[5]	4,100	380	490	130	710	--[6]
	12/12/95	77.73		289.28	0.00	3,100[4]	19,000	600	380	2,100	5,300	--[7]
	03/01/96	75.18		291.83	0.00	1,500[5]	3,400	950	3.2	1,900	290	59
	06/15/96	75.13		291.88	0.00	400[4]	780	190	8.8	3.8	4.0	630
	09/18/96	82.84		284.17	0.00	170	2,800	340	12	11	110	2,500
	12/21/96	79.29		287.72	0.00	64[4]	51	1.3	ND	ND	0.53	20
	03/07/97	71.58		295.43	0.00	570[4]	1,400	53	14	29	68	220
	06/27/97	83.27		283.74	0.00	ND	ND	ND	ND	ND	ND	27
	09/29/97	83.33		283.68	0.00	ND	ND	ND	ND	ND	ND	11
	12/15/97	83.35		283.66	0.00	ND	ND	ND	ND	ND	ND	19
	03/16/98	71.07		295.94	0.00	670[10]	130[12]	6.5	1.9	1.5	1.6	210
367.03	06/26/98	79.65		287.38	0.00	63[13]	400[15]	15	ND[11]	ND[11]	1.9	490
	08/18/98	83.29		283.74	0.00	--	--	--	--	--	--	--
	09/22/98	83.33		283.70	0.00	95[20]	ND	ND	ND	ND	ND	24

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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	12/15/98	83.29	76.5-96.5	283.74	0.00	ND	ND	ND	ND	ND	ND	18
(cont)	12/23/98	83.28		283.75	0.00	--	--	--	--	--	--	--
	03/15/99	79.19		287.84	0.00	3,500[26]	26,000	3,100	270	2,200	3,100	1,300
	03/23/99	78.92		288.11	0.00	--	--	--	--	--	--	--
	06/07/99	83.22		283.81	0.00	ND	ND	ND	ND	0.63	ND	29
	09/03/99	83.31		283.72	0.00	2,900[20]	23,000[30]	770	ND[11]	980	6,400	280/82.4[27]
	12/06/99	83.41		283.62	0.00	4,200[20]	41,000[30]	3,200	3,500	1,300	8,300	ND[11]
	03/10/00	83.23		283.80	0.00	2,500[20]	5,100[30]	340	ND[11]	97	450	200
	06/08/00	83.22		283.81	0.00	489[20]	1,200[30]	52.0	ND[11]	41.7	356	55.8
	09/25/00	83.37		283.66	0.00	4,380[20]	3,400[30]	305	ND[11]	25.4	512	137
	12/19/00	83.27		283.76	0.00	5,600[35]	6,800[30]	260	ND[11]	120	950	130
	03/05/01	83.34		283.69	0.00	3,790[20]	16,800[30]	1,100	48.6	637	4,260	224
	06/14/01	**83.39**		**283.64**	**0.00**	**1,300[20]**	**1,800[30]**	**260**	**ND[11]**	**5.5**	**25**	**83**
MW-4												
369.03	09/18/96	73.67	73.0-93.0	295.36	0.00	200	160	14	ND	ND	1.6	ND
	12/21/96	77.69		291.34	0.00	ND	ND	ND	ND	ND	ND	ND
	03/07/97	68.04		300.99	0.00	ND	ND	1.9	0.99	ND	1.5	ND
	06/27/97	79.06		289.97	0.00	ND	ND	ND	ND	ND	ND	ND
	09/29/97	85.83		283.20	0.00	ND	ND	ND	ND	ND	ND	ND
	12/15/97	87.26		281.77	0.00	ND	ND	ND	ND	ND	ND	ND
	03/16/98	75.09		293.94	0.00	ND	ND	ND	0.69	ND	0.82	ND
368.81	06/26/98	73.81		295.00	0.00	630[16]	100[13]	62	ND	ND	ND	ND
	08/18/98	78.75		290.06	0.00	--	--	--	--	--	--	--
	09/22/98	83.95		284.86	0.00	74[20]	ND	ND	ND	ND	ND	2.8
	12/15/98	85.41		283.40	0.00	ND	ND	ND	ND	ND	ND	ND
	12/23/98	84.95		283.86	0.00	--	--	--	--	--	--	--
	03/15/99	78.47		290.34	0.00	ND	ND	ND	ND	ND	ND	ND
	03/23/99	77.37		291.44	0.00	--	--	--	--	--	--	--
	06/07/99	76.60		292.21	0.00	ND	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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	09/03/99	87.23	73.0-93.0	281.58	0.00	66[19]	ND	ND	ND	ND	ND	ND/ND[27]
(cont)	12/06/99	92.23		276.58	0.00	95[13]	ND	ND	ND	ND	ND	ND
	03/10/00	88.54		280.27	0.00	ND	ND	ND	ND	ND	ND	ND
	06/08/00	86.98		281.83	0.00	72.8[20]	ND	ND	ND	ND	ND	ND
	09/25/00	DRY		--	--	--	--	--	--	--	--	--
	12/19/00	DRY		--	--	--	--	--	--	--	--	--
	03/05/01	DRY		--	--	--	--	--	--	--	--	--
	06/14/01	**DRY**		--	--	--	--	--	--	--	--	--
MW-5												
363.23	09/18/96	64.20	52.0-72.0	299.03	0.00	4,700[5]	36,000	6,700	410	730	6,500	4,100
	12/21/96	61.77		301.46	Sheen	4,700[4]	25,000	3,200	300	780	3,600	2,600
	03/07/97	56.30		306.93	Sheen	2,100[4]	14,000	1,300	120	410	1,200	1,700
	06/27/97	68.88		295.03***	0.90	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	09/29/97	69.47		294.02***	0.35	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	12/15/97	64.92		298.54***	0.30	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	03/16/98	49.63		313.67***	0.09	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
363.21	06/26/98	64.13		299.08	Sheen	230,000[17]	490[18]	6.3	2.8	4.2	5.1	10
	08/18/98	70.40		292.81**	0.005	--	--	--	--	--	--	--
	09/22/98	69.10		294.16**	0.06	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	12/15/98	68.84		294.50**	0.17	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	12/23/98	68.42		295.18**	0.50	--	--	--	--	--	--	--
	03/15/99	63.81		299.59**	0.25	--	--	--	--	--	--	--
	03/23/99	63.59		299.72**	0.13	--	--	--	--	--	--	--
	06/07/99	68.25		295.59**	0.82	4,700,000[26]	210,000	6,700	3,700	5,000	20,000	11,000/4,000[27]
	09/03/99	69.38		294.37**	0.70	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	12/06/99	70.02		293.82**	0.82	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	03/10/00	64.56		299.14**	0.64	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	06/08/00	66.47		297.13**	0.51	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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	09/25/00	69.02	52.0-72.0	294.65**	0.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
(cont)	12/19/00	68.31		295.01**	0.14	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	03/05/01	64.19		299.08**	0.08	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	06/14/01	**64.02**		**299.27****	**0.11**	**NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT**						**--**
MW-6												
363.12	09/18/96	79.07	68.0-88.0	284.05	0.00	ND	160	5.4	ND	ND	ND	ND
	12/21/96	75.40		287.72	0.00	ND	300[8]	96	1.3	ND	1.7	21
	03/07/97	67.61		295.51	0.00	190[4]	1,800[8]	920	18	ND	31	290
	06/27/97	80.45		282.67	0.00	73[5]	ND	0.73	ND	ND	38	38
	09/29/97	86.02		277.10	0.00	ND	62[9]	ND	ND	ND	ND	43
	12/15/97	84.03		279.09	0.00	ND	78[9]	ND	ND	ND	ND	39
	03/16/98	67.15		295.97	0.00	100[10]	210[12]	36	2.5	ND	3.0	64
363.13	06/26/98	75.71		287.42	0.00	180[14]	530	300	8.3	2.8	8.7	81
	08/18/98	74.86		288.27	0.00	--	--	--	--	--	--	--
	09/22/98	UNABLE TO LOCATE			--	--	--	--	--	--	--	--
	12/15/98	UNABLE TO LOCATE			--	--	--	--	--	--	--	--
	12/23/98	80.80		282.33	0.00	--	120[23]	1.1	ND	ND	0.78	25
	01/23/99	80.68		282.45	0.00	ND	--	--	--	--	--	--
	03/15/99	75.29		287.84	0.00	71[24]	62[22]	1.4	ND	ND	ND	23
	03/23/99	75.03		288.10	0.00	--	--	--	--	--	--	--
	06/07/99	82.27		280.86	0.00	160[28]	ND	ND	ND	ND	ND	18
	09/03/99	87.49		275.64	0.00	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
	12/06/99	DRY		--	--	--	--	--	--	--	--	--
	03/10/00	85.61		277.52	0.00	ND	ND	ND	ND	ND	ND	64
	06/08/00	87.36		275.77	0.00	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
	09/25/00	DRY		--	--	--	--	--	--	--	--	--
	12/19/00	87.73		275.40	0.00	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
	03/05/01	87.82		275.31	0.00	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
	06/14/01	**87.69**		**275.44**	**0.00**	**NOT SAMPLED DUE TO INSUFFICIENT WATER**					**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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												
355.97	06/26/98	--	55.0-75.0	--	--	--	--	--	--	--	--	--
	08/18/98	68.75		287.22	0.00	1,400[20]	4,000	1,900	48	160	ND[11]	1,700
	09/22/98	66.35		289.62	0.00	780[20]	3,200	1,100	ND	22	ND	1,500
	12/15/98	65.03		290.94	0.00	350[21]	1,900[22]	180	2.7	2.9	3.8	1,400
	12/23/98	64.82		291.15	0.00	--	--	--	--	--	--	--
	03/15/99	60.44		295.53	0.00	460[26]	2,700	1,100	ND[11]	30	16	1,400/970[27]
	03/23/99	60.43		295.54	0.00	--	--	--	--	--	--	--
	06/07/99	64.48		291.49	0.00	550[25]	2,600[29]	180	21	ND	13	1,200
	09/03/99	69.98		285.99	0.00	550[20]	870[30]	69	ND[11]	ND[11]	ND[11]	1,100/872[27]
	12/06/99	70.18		285.79	0.00	220[20]	1,900[31]	350	ND[11]	ND[11]	ND[11]	1,100
	03/10/00	67.36		288.61	0.00	930[20]	2,900[31]	1,600	ND[11]	40	54	1,100
	06/08/00	69.81		286.16	0.00	463[20]	625[30]	30.8	ND	0.761	0.940	1,290[35]
	09/25/00	70.15		285.82	0.00	1,810[20]	2,180[22]	423	ND[11]	ND[11]	ND[11]	1,510
	12/19/00	70.11		285.86	0.00	930[32]	5,900[31]	1,000	ND[11]	ND[11]	ND[11]	1,300
	03/05/01	68.72		287.25	0.00	801[20]	13,200[30]	5,070	195	306	385	1,530
	06/14/01	**70.00**		**285.97**	**0.00**	**710[20]**	**6,400[30]**	**3,300**	**85**	**96**	**170**	**1,000**
MW-8												
362.37	06/26/98	63.00	66.0-86.0	299.37	0.00	80[19]	ND	6.0	ND	ND	ND	150
	08/18/98	73.38		288.99	0.00	--	--	--	--	--	--	--
	09/22/98	70.89		291.48	0.00	120[20]	ND	ND	ND	ND	ND	9.5
	12/15/98	70.29		292.08	0.00	ND	ND	ND	ND	ND	ND	3.0
	12/23/98	70.03		292.34	0.00	--	--	--	--	--	--	--
	03/15/99	UNABLE TO LOCATE			--	--	--	--	--	--	--	--
361.83	03/23/99	64.86		296.97	0.00	60[24]	ND	ND	0.77	ND	0.96	190
	06/07/99	68.30		293.53	0.00	ND	ND	ND	ND	ND	ND	ND
	09/03/99	73.92		287.91	0.00	130[19]	ND	ND	0.57	ND	ND	170/146[27]
	12/06/99	74.98		286.85	0.00	160[19]	ND	ND	ND	ND	ND	150
	03/10/00	71.54		290.29	0.00	61[19]	ND	ND	ND	ND	ND	150

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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	06/08/00	72.60	66.0-86.0	289.23	0.00	135[20]	ND	ND	ND	ND	ND	42.8
(cont)	09/25/00	75.31		286.52	0.00	518[20]	ND	ND	ND	ND	ND	227
	12/19/00	75.54		286.29	0.00	100[19]	ND	ND	ND	ND	ND	160
	03/05/01	75.91		285.92	0.00	161[20]	ND	ND	ND	ND	ND	125
	06/14/01	**75.51**		**286.32**	**0.00**	**94[20]**	**ND**	**ND**	**ND**	**ND**	**ND**	**140**
MW-9												
354.85	11/29/99	74.50	--	280.35	0.00	--	--	--	--	--	--	--
	12/06/99	74.35		280.50	0.00	ND	ND	ND	ND	ND	ND	3.0/2.7[27]
	03/10/00	65.94		288.91	0.00	150[19]	ND	ND	ND	ND	ND	2.5
	06/08/00	70.77		284.08	0.00	67.8[20]	ND	ND	ND	ND	ND	ND
	09/25/00	74.75		280.10	0.00	903[20]	ND	ND	0.516	ND	ND	10.5
	12/19/00	74.43		280.42	0.00	ND	ND	ND	ND	ND	ND	ND
	03/05/01	74.63		280.22	0.00	96.5[20]	ND	ND	ND	ND	ND	ND
	06/14/01	**74.75**		**280.10**	**0.00**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-10												
362.62	11/29/99	DRY	--	--	--	--	--	--	--	--	--	--
	12/06/99	DRY		--	--	--	--	--	--	--	--	--
	03/10/00[33]	85.04		277.58	0.00	78[20]	ND	ND	ND	ND	ND	130/150[27]
	06/08/00	DRY		--	--	--	--	--	--	--	--	--
	09/25/00	DRY		--	--	--	--	--	--	--	--	--
	12/19/00	DRY		--	--	--	--	--	--	--	--	--
	03/05/01	DRY		--	--	--	--	--	--	--	--	--
	06/14/01	**DRY**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, 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	03/16/98	--	--	--	--	--	ND	ND	ND	ND	ND	ND
	06/26/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	08/18/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	09/22/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	12/15/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	12/23/98	--		--	--	--	ND	ND	ND	ND	ND	ND
	03/15/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	03/23/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	06/07/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	09/03/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	12/06/99	--		--	--	--	ND	ND	ND	ND	ND	ND
	03/10/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	06/08/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	09/25/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	12/19/00	--		--	--	--	ND	ND	ND	ND	ND	ND
	03/05/01	--		--	--	--	ND	ND	ND	ND	ND	ND
	06/14/01	--		--	--	--	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 16, 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
NP = No Purge

* TOC elevations have been surveyed relative to msl per City of Pleasanton Benchmark V1, a brass disk on the north curb of Ray Street, approximately 200 feet northwest of the centerline of First Street (Elevation = 367.17 feet msl). On March 22, 1999, MW-8 was re-surveyed and on November 26, 1999, MW-9 and MW-10 were surveyed, the Benchmark was a cut "+" on a concrete transformer pad on the north side of the property to the northwest, (Elevation = 353.92 feet, msl).

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

*** GWE corrected for the presence of free product; correction factor: [(TOC - DTW) + (Product Thickness x 0.75)].

1 1,2-Dichloroethene (1,2-DCE) was detected at a concentration of 18 ppb.

2 Reported as Total Extractable Hydrocarbons (TEH).

3 Reported as Total Petroleum Hydrocarbons (TPH).

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

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

6 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.

7 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.

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

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

10 Laboratory report indicates diesel and unidentified hydrocarbons >C16.

11 Detection limit raised. Refer to analytical reports.

12 Laboratory report indicates gasoline and unidentified hydrocarbons <C7.

13 Laboratory report indicates discrete peaks.

14 Laboratory report indicates diesel and unidentified hydrocarbons >C20.

15 Laboratory report indicates discrete peaks and unidentified hydrocarbons <C7.

16 Laboratory report indicates diesel and unidentified hydrocarbons <C15.

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

EXPLANATIONS: (cont)

17 Laboratory report indicates diesel and unidentified hydrocarbons <C15 and >C20.

18 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.

19 Laboratory report indicates unidentified hydrocarbons >C16.

20 Laboratory report indicates unidentified hydrocarbons C9-C24.

21 Laboratory report indicates diesel and unidentified hydrocarbons <C12.

22 Laboratory report indicates unidentified hydrocarbons C6-C12.

23 Laboratory report indicates unidentified hydrocarbons C6-C9.

24 Laboratory report indicates unidentified hydrocarbons >C14.

25 Laboratory report indicates unidentified hydrocarbons >C10.

26 Laboratory report indicates unidentified hydrocarbons >C9.

27 MTBE by EPA Method 8260.

28 Laboratory report indicates unidentified hydrocarbons >C15.

29 Laboratory report indicates gasoline and unidentified hydrocarbons >C6.

30 Laboratory report indicates gasoline C6-C12.

31 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

32 Laboratory report indicates unidentified hydrocarbons C9-C40.

33 Well re-developed.

34 The diesel container for MW-2 was broken at lab, therefore; unable to report diesel result.

35 Laboratory report indicates unidentified hydrocarbons <C16.

36 Laboratory was unable to report diesel result due to insufficient amount of sample.

Table 2

Product Thickness/Removal Data

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

WELL ID	DATE	DTW (ft.)	Product Thickness (ft.)	Amount Bailed (Product + Water) (gallons)
MW-5	03/07/97	56.30	Sheen	--
	06/27/97	68.88	0.90	--
	09/29/97	69.47	0.35	--
	12/15/97	64.92	0.30	--
	03/16/98	49.63	0.09	0.25
	06/26/98	63.00	Sheen	--
	08/18/98	70.40	0.005	--
	09/22/98	69.10	0.06	--
	12/15/98	68.84	0.17	--
	12/23/98	68.42	0.50	--
	03/15/99	63.81	0.25	0.13
	03/23/99	63.59	0.13	0.00
	06/07/99	68.25	0.82	0.94
	09/03/99	69.38	0.70	0.078
	12/06/99	70.02	0.82	0.00
	03/10/00	64.56	0.64	0.00
	06/08/00	66.47	0.51	0.00
	09/25/00	69.02	0.60	0.00
	12/19/00	68.31	0.14	0.00
	03/05/01	64.19	0.08	0.00
	06/14/01	**64.02**	**0.11**	**0.00**

EXPLANATIONS:

Product thickness/removal data prior to March 16, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to water

(ft.) = Feet

-- = Not Measured/Not Available

Table 3

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1	09/03/99	ND	ND	55.2	ND	ND	ND
MW-2B	03/15/99	ND	3,800	4,800	13	ND	ND
	09/03/99	ND[2]	3,480	4,400	ND[2]	ND[2]	ND[2]
MW-3	09/03/99	ND	ND	82.4	ND	ND	ND
MW-4	09/03/99	ND	ND	ND	ND	ND	ND
MW-5	06/07/99	ND[2]	ND[2]	4,000[1]	ND[2]	ND[2]	ND[2]
	09/03/99	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--	--
MW-7	03/15/99	ND	610	970	4.3	ND	ND
	09/03/99	ND[2]	460	872	4.36	ND[2]	ND[2]
MW-8	09/03/99	ND	ND	146	12.4	ND	ND
MW-9	12/06/99[3]	--	ND	2.7	ND	ND	ND
MW-10	03/10/00[4]	--	ND	150	ND	ND	ND

Table 3

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

(ppb) = Parts per billion

ND = Not Detected

-- = Not Analyzed

[1] Laboratory results indicate sample contains high concentration of Hexane.

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

[3] Laboratory report indicates 1,2-Dichloroethane (1,2-DCA) and Ethylene dibromide (EDB) were ND.

[4] Laboratory report indicates 1,2-DCA was detected at 22 ppb and EDB was ND.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vertex

Well ID MW-1 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 86.45 ft.

Depth to Water 79.52 ft.

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

6.93 X VF 0.17 = 1.17 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

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

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

Starting Time: 11:10 Weather Conditions: clear

Sampling Time: 11:35 Water Color: clear Odor: no

Purging Flow Rate: gpm. Sediment Description:

Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:15	1	7.68	755	65.9			
11:21	2	7.52	743	66.5			
11:27	3.5	7.53	740	66.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vartkes

Well ID MW-2B Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 85.25 ft.

Depth to Water 83.53 ft.

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

1.72 x VF 0.17 = 0.29 X 3 (case volume) = Estimated Purge Volume: 1 (gal.)

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

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

Starting Time: ~~1150~~ Weather Conditions: clear

Sampling Time: 12:00 Water Color: clear Odor: mild

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)
	*	7.53	967	69.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2B	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS: * Insufficient water to purge.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vasiles

Well ID MW-3 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 94.10 ft.

Depth to Water 83.39 ft.

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

10.71 x VF 0.17 = 1.82 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: 14:52 Weather Conditions: clear

Sampling Time: 15:15 Water Color: clear Odor: Y

Purging Flow Rate: 1 gpm. Sediment Description:

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:54	2	7.41	1081	71.1			
14:56	4	7.23	1093	70.3			
14:58	5.5	7.19	1098	69.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vartkes

Well ID MW-4 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 92.85 ft.

Depth to Water DRY ft.

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

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

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

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

Starting Time: _____ 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
MW-	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS: Well is dry

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vasilkes

Well ID MW-5 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.11 in. Amount Bailed (product/water): 4 (gal.)

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

Total Depth 72.50 ft

Depth to Water 64.02 ft

1 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
MW	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS: Not Sampled due to the presence of free product.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vasilkos

Well ID MW-6 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 4 (gal.)

Total Depth 88.00 ft.

Depth to Water 87.69 ft.

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

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

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

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

Starting Time: ____ 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
MW-6	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS: Insufficient water to Sample. well was covered with soil and gravel again. 45' from retaining ~~wall~~ Wall.

5/97-fields.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vartkes

Well ID MW-7 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 7680 ft.

Depth to Water 70.00 ft.

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

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

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

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

Starting Time: 14:05 Weather Conditions: clear

Sampling Time: 14:30 Water Color: brn. Odor: Y

Purging Flow Rate: gpm. Sediment Description: silt

Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:10	1	7.50	1183	70.6			
14:16	2	7.35	1191	70.0			
14:22	3.5	7.30	1198	69.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vasilkes

Well ID MW-8 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 84.50 ft.

Depth to Water 75.51 ft.

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

8.99 X VF 0.17 = 1.52 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: 12:25 Weather Conditions: clear

Sampling Time: 13:00 Water Color: bro. Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: silt

Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:31	1.5	7.68	936	69.9			
12:37	3	7.50	923	69.7			
12:45	4.5	7.47	917	69.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vartkes

Well ID MW-9 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 78.05 ft.

Depth to Water 74.75 ft.

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

3.30 X VF 0.17 = 0.56 X 3 (case volume) = Estimated Purge Volume: 2.0 (gal.)

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

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

Starting Time: 13:15 Weather Conditions: clear

Sampling Time: 13:40 Water Color: brn Odor: no

Purging Flow Rate: ____ gpm. Sediment Description: silt

Did well de-water? no If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
13:19	.5	7.65	794	70.2			
13:24	1	7.50	805	69.5			
13:32	2	7.48	812	69.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 6/14/01

City: Pleasanton, Ca. Sampler: Vartkes

Well ID MW-10 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 9340 ft.

Depth to Water DRY ft.

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

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

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

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

Starting Time: _____ 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
MW-	3 x VOA VIAL	Y	HCl	SEQUOIA	TPHG/BTEX/MTBE
"	1 Amber	"	NONE	"	TPH-D

COMMENTS: Well is dry.

Chain of Custody Record

TOSCO

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

Facility Number: TOSCO (UNOCAL) SS#7376
Facility Address: 4191 First Street, Pleasanton, CA
Consultant Project Number: 180075.85
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): ~~Martina Barry~~ DAVID DEWITT
(Phone): (510) 277-2321
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): Vartkes Toshjian
Collection Date: 6/14/01
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)	TPH Gas + BTEX w/MTBE (8015) (8020)	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
								Analyses To Be Performed													MKF0408
TB-LB		1	W	G		HCl	Y	X													01
MW-1		4	"	"	11:35	"	"	X	X												02
MW-2B		4	"	"	12:00	"	"	X	X												03
MW-3		4	"	"	15:15	"	"	X	X												04
MW-7		4	"	"	14:30	"	"	X	X												05
MW-8		4	"	"	13:00	"	"	X	X												06
MW-9		4	"	"	13:40	"	"	X	X												07

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	6/14/01 1630			6/14/01 1630
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	6/15/01	WHS	SEQ	6/15 1630
(Signature) WHS	Organization SEQ	Date/Time 6/15 1805	Relieved For Laboratory By (Signature) Heather Shelley PM SEQ		Date/Time 6/15/01 1805

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

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

28 June, 2001

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

RE: TOSCO
Sequoia Report: MKF0408

Enclosed are the results of analyses for samples received by the laboratory on 06/14/01 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	MKF0408-01	Water	06/14/01 00:00	06/14/01 16:30
MW-1	MKF0408-02	Water	06/14/01 11:35	06/14/01 16:30
MW-2B	MKF0408-03	Water	06/14/01 12:00	06/14/01 16:30
MW-3	MKF0408-04	Water	06/14/01 15:15	06/14/01 16:30
MW-7	MKF0408-05	Water	06/14/01 14:30	06/14/01 16:30
MW-8	MKF0408-06	Water	06/14/01 13:00	06/14/01 16:30
MW-9	MKF0408-07	Water	06/14/01 13:40	06/14/01 16:30

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

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (MKF0408-01) Water Sampled: 06/14/01 00:00 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	ND	50	ug/l	1	1F21027	06/20/01	06/20/01	DHS LUFT	
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		*94.6 %*		*70-130*	"	"	"	"	
MW-1 (MKF0408-02) Water Sampled: 06/14/01 11:35 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	ND	50	ug/l	1	1F21027	06/20/01	06/20/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**680**	12	"	5	"	"	06/21/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*102 %*		*70-130*	"	"	*06/20/01*	"	
MW-2B (MKF0408-03) Water Sampled: 06/14/01 12:00 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	ND	50	ug/l	1	1F21027	06/20/01	06/20/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**6600**	100	"	40	"	"	06/21/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*101 %*		*70-130*	"	"	*06/20/01*	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKF0408-04) Water Sampled: 06/14/01 15:15 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	**1800**	250	ug/l	5	1F24002	06/25/01	06/25/01	DHS LUFT	P-01
Benzene	**260**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**5.5**	2.5	"	"	"	"	"	"	
Xylenes (total)	**25**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**83**	12	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.1 %*	*70-130*		"	"	"	"	
MW-7 (MKF0408-05) Water Sampled: 06/14/01 14:30 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	**6400**	500	ug/l	10	1F21005	06/21/01	06/21/01	DHS LUFT	P-01
Benzene	**3300**	50	"	100	"	"	06/25/01	"	
Toluene	**85**	5.0	"	10	"	"	06/21/01	"	
Ethylbenzene	**96**	5.0	"	"	"	"	"	"	
Xylenes (total)	**170**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**1000**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*	*70-130*		"	"	"	"	
MW-8 (MKF0408-06) Water Sampled: 06/14/01 13:00 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	ND	50	ug/l	1	1F24003	06/25/01	06/25/01	DHS LUFT	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**140**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*70-130*		"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MKF0408-07) Water Sampled: 06/14/01 13:40 Received: 06/14/01 16:30									
Purgeable Hydrocarbons	ND	50	ug/l	1	1F21005	06/21/01	06/21/01	DHS LUFT	
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		*101 %*		*70-130*		"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKF0408-02) Water Sampled: 06/14/01 11:35 Received: 06/14/01 16:30									
Diesel Range Hydrocarbons	**71**	50	ug/l	1	1F21032	06/21/01	06/26/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*92.5 %*		*50-150*	"	"	"	"	
MW-2B (MKF0408-03) Water Sampled: 06/14/01 12:00 Received: 06/14/01 16:30									
Diesel Range Hydrocarbons	**570**	50	ug/l	1	1F21032	06/21/01	06/26/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*85.0 %*		*50-150*	"	"	"	"	
MW-3 (MKF0408-04) Water Sampled: 06/14/01 15:15 Received: 06/14/01 16:30									
Diesel Range Hydrocarbons	**1300**	50	ug/l	1	1F21032	06/21/01	06/26/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*75.3 %*		*50-150*	"	"	"	"	
MW-7 (MKF0408-05) Water Sampled: 06/14/01 14:30 Received: 06/14/01 16:30									
Diesel Range Hydrocarbons	**710**	50	ug/l	1	1F21032	06/21/01	06/26/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*72.7 %*		*50-150*	"	"	"	"	
MW-8 (MKF0408-06) Water Sampled: 06/14/01 13:00 Received: 06/14/01 16:30									
Diesel Range Hydrocarbons	**94**	50	ug/l	1	1F21032	06/21/01	06/26/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*80.2 %*		*50-150*	"	"	"	"	
MW-9 (MKF0408-07) Water Sampled: 06/14/01 13:40 Received: 06/14/01 16:30									
Diesel Range Hydrocarbons	ND	50	ug/l	1	1F21032	06/21/01	06/26/01	DHS LUFT	
Surrogate: n-Pentacosane		*77.2 %*		*50-150*	"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F21005 - EPA 5030B [P/T]										
Blank (1F21005-BLK1)				Prepared & Analyzed: 06/21/01						
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	*9.83*		"	*10.0*		*98.3*	*70-130*			
LCS (1F21005-BS1)				Prepared & Analyzed: 06/21/01						
Benzene	9.10	0.50	ug/l	10.0		91.0	70-130			
Toluene	9.57	0.50	"	10.0		95.7	70-130			
Ethylbenzene	9.85	0.50	"	10.0		98.5	70-130			
Xylenes (total)	28.2	0.50	"	30.0		94.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.48*		"	*10.0*		*94.8*	*70-130*			
Matrix Spike (1F21005-MS1)		**Source: MKF0408-07**		Prepared & Analyzed: 06/21/01						
Benzene	10.5	0.50	ug/l	10.0	ND	105	60-140			
Toluene	11.1	0.50	"	10.0	ND	111	60-140			
Ethylbenzene	11.1	0.50	"	10.0	ND	111	60-140			
Xylenes (total)	32.3	0.50	"	30.0	ND	108	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.8*		"	*10.0*		*108*	*70-130*			
Matrix Spike Dup (1F21005-MSD1)		**Source: MKF0408-07**		Prepared & Analyzed: 06/21/01						
Benzene	10.2	0.50	ug/l	10.0	ND	102	60-140	2.90	25	
Toluene	10.5	0.50	"	10.0	ND	105	60-140	5.56	25	
Ethylbenzene	10.7	0.50	"	10.0	ND	107	60-140	3.67	25	
Xylenes (total)	31.2	0.50	"	30.0	ND	104	60-140	3.46	25	
Surrogate: a,a,a-Trifluorotoluene	*10.8*		"	*10.0*		*108*	*70-130*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F21027 - EPA 5030B [P/T]										
Blank (1F21027-BLK1)				Prepared & Analyzed: 06/20/01						
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	*9.96*		"	*10.0*		*99.6*	*70-130*			
LCS (1F21027-BS1)				Prepared & Analyzed: 06/20/01						
Benzene	9.43	0.50	ug/l	10.0		94.3	70-130			
Toluene	9.89	0.50	"	10.0		98.9	70-130			
Ethylbenzene	10.1	0.50	"	10.0		101	70-130			
Xylenes (total)	29.2	0.50	"	30.0		97.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.99*		"	*10.0*		*99.9*	*70-130*			
Matrix Spike (1F21027-MS1)		**Source: MKF0379-02**		Prepared & Analyzed: 06/20/01						
Benzene	10.1	0.50	ug/l	10.0	ND	101	60-140			
Toluene	10.9	0.50	"	10.0	ND	109	60-140			
Ethylbenzene	10.9	0.50	"	10.0	ND	109	60-140			
Xylenes (total)	31.3	0.50	"	30.0	ND	104	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			
Matrix Spike Dup (1F21027-MSD1)		**Source: MKF0379-02**		Prepared & Analyzed: 06/20/01						
Benzene	10.1	0.50	ug/l	10.0	ND	101	60-140	0.00	25	
Toluene	10.7	0.50	"	10.0	ND	107	60-140	1.85	25	
Ethylbenzene	10.9	0.50	"	10.0	ND	109	60-140	0.00	25	
Xylenes (total)	31.5	0.50	"	30.0	ND	105	60-140	0.637	25	
Surrogate: a,a,a-Trifluorotoluene	*10.4*		"	*10.0*		*104*	*70-130*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F24002 - EPA 5030B [P/T]										
Blank (1F24002-BLK1)				Prepared & Analyzed: 06/25/01						
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	*9.23*		"	*10.0*		*92.3*	*70-130*			
LCS (1F24002-BS1)				Prepared & Analyzed: 06/25/01						
Benzene	9.33	0.50	ug/l	10.0		93.3	70-130			
Toluene	9.80	0.50	"	10.0		98.0	70-130			
Ethylbenzene	10.2	0.50	"	10.0		102	70-130			
Xylenes (total)	28.9	0.50	"	30.0		96.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.84*		"	*10.0*		*98.4*	*70-130*			
LCS (1F24002-BS2)				Prepared & Analyzed: 06/25/01						
Purgeable Hydrocarbons	219	50	ug/l	250		87.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			
Matrix Spike (1F24002-MS1)		**Source: MKF0412-05**		Prepared & Analyzed: 06/25/01						
Benzene	10.1	0.50	ug/l	10.0	ND	101	60-140			
Toluene	10.5	0.50	"	10.0	ND	105	60-140			
Ethylbenzene	10.6	0.50	"	10.0	ND	106	60-140			
Xylenes (total)	30.9	0.50	"	30.0	ND	103	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.99*		"	*10.0*		*99.9*	*70-130*			
Matrix Spike Dup (1F24002-MSD1)		**Source: MKF0412-05**		Prepared & Analyzed: 06/25/01						
Benzene	9.91	0.50	ug/l	10.0	ND	99.1	60-140	1.90	25	
Toluene	10.6	0.50	"	10.0	ND	106	60-140	0.948	25	
Ethylbenzene	10.7	0.50	"	10.0	ND	107	60-140	0.939	25	
Xylenes (total)	30.9	0.50	"	30.0	ND	103	60-140	0.00	25	
Surrogate: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F24003 - EPA 5030B [P/T]										
Blank (1F24003-BLK1)				Prepared & Analyzed: 06/25/01						
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	*9.99*		"	*10.0*		*99.9*	*70-130*			
LCS (1F24003-BS1)				Prepared & Analyzed: 06/25/01						
Benzene	9.75	0.50	ug/l	10.0		97.5	70-130			
Toluene	10.1	0.50	"	10.0		101	70-130			
Ethylbenzene	10.4	0.50	"	10.0		104	70-130			
Xylenes (total)	30.8	0.50	"	30.0		103	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.0*		"	*10.0*		*100*	*70-130*			
LCS (1F24003-BS2)				Prepared & Analyzed: 06/25/01						
Purgeable Hydrocarbons	237	50	ug/l	250		94.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*14.1*		"	*10.0*		*141*	*70-130*			*S-02*
Matrix Spike (1F24003-MS1)		**Source: MKF0516-03**		Prepared & Analyzed: 06/25/01						
Purgeable Hydrocarbons	243	50	ug/l	250	ND	97.2	60-140			
Surrogate: a,a,a-Trifluorotoluene	*13.7*		"	*10.0*		*137*	*70-130*			*S-02*
Matrix Spike Dup (1F24003-MSD1)		**Source: MKF0516-03**		Prepared & Analyzed: 06/25/01						
Purgeable Hydrocarbons	219	50	ug/l	250	ND	87.6	60-140	10.4	25	
Surrogate: a,a,a-Trifluorotoluene	*13.0*		"	*10.0*		*130*	*70-130*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1F21032 - EPA 3510B										
Blank (1F21032-BLK1)				Prepared: 06/21/01 Analyzed: 06/26/01						
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	*75.3*		"	*100*		*75.3*	*50-150*			
LCS (1F21032-BS1)				Prepared: 06/21/01 Analyzed: 06/26/01						
Diesel Range Hydrocarbons	660	50	ug/l	1000		66.0	60-140			
Surrogate: n-Pentacosane	*96.7*		"	*100*		*96.7*	*50-150*			
Matrix Spike (1F21032-MS1)		**Source: MKF0322-03**		Prepared: 06/21/01 Analyzed: 06/26/01						
Diesel Range Hydrocarbons	642	50	ug/l	1000	ND	64.2	50-150			
Surrogate: n-Pentacosane	*80.7*		"	*100*		*80.7*	*50-150*			
Matrix Spike Dup (1F21032-MSD1)		**Source: MKF0322-03**		Prepared: 06/21/01 Analyzed: 06/26/01						
Diesel Range Hydrocarbons	640	50	ug/l	1000	ND	64.0	50-150	0.312	50	
Surrogate: n-Pentacosane	*80.1*		"	*100*		*80.1*	*50-150*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: TOSCO	
6747 Sierra Ct, Suite J	Project Number: Tosco SS# 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	06/28/01 08:57

Notes and Definitions

D-15	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
M-03	Sample was analyzed at a second dilution.
P-01	Chromatogram Pattern: Gasoline C6-C12
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
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