RO 0000361

GETTLER-RYAN INC.

TRANSMITTAL

NOV 2 1 2001

November 2, 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) Service Station #7376
4191 First Street
Pleasanton, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 30, 2001	Groundwater Monitoring and Sampling Report Third Quarter - Event of September 17, 2001 and Special Event of September 25, 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 ***November 16, 2001***, this report will be distributed to the following:

cc: Ms. Susan Seamy, 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.

October 30, 2001
G-R Job #180075

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

RE: Third Quarter Event of September 17, 2001
Special Event of September 25, 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,

Anamarie Norcia
-For-
Deanna L. Harding
Project Coordinator

REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

For Hagop Kevork
P.E. No. C55734

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
7376.qml Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- Groundwater monitoring well
- Abandoned well
- *99.99* Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- *[99.99]* Monitored on 09/25/01, not used in contouring
- 99.99 Groundwater elevation contour, dashed where inferred
- \+ Groundwater elevation corrected for the presence of free product

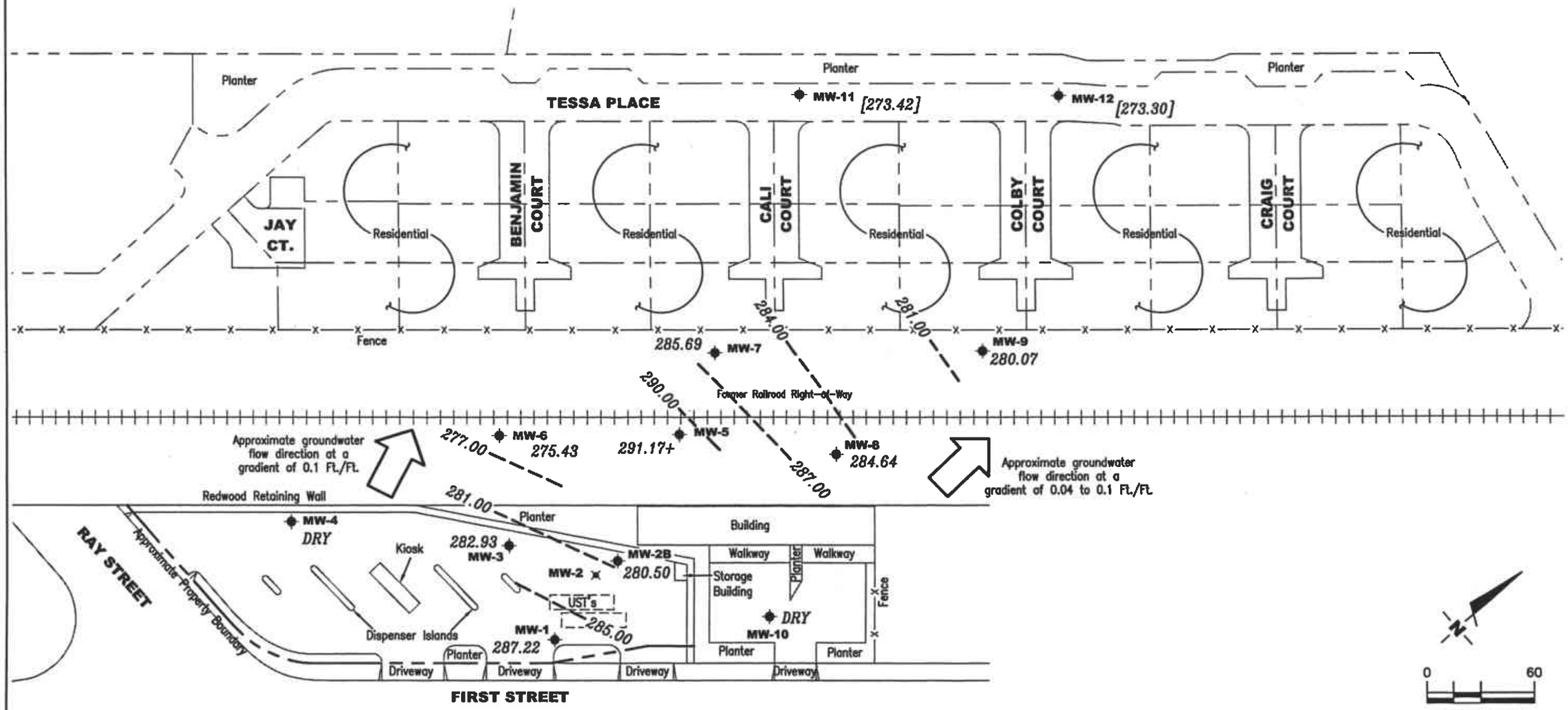

FIGURE 1

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

DATE
September 17, 2001

REVISED DATE

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

PROJECT NUMBER
180075

REVIEWED BY

FILE NAME: P:\Enviro\tosco\7376\001-7376.DWG | Layout Tab: Pot3

EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Abandoned well
- *A/B/C/D* TPH(D) (Total Petroleum Hydrocarbons as Diesel)/TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/Benzene/MTBE concentrations in ppb
- *[A/B/C/D]* Sampled on 09/25/01
- *NS* Not Sampled
- *FP* Free Product
- *NA* Not Analyzed

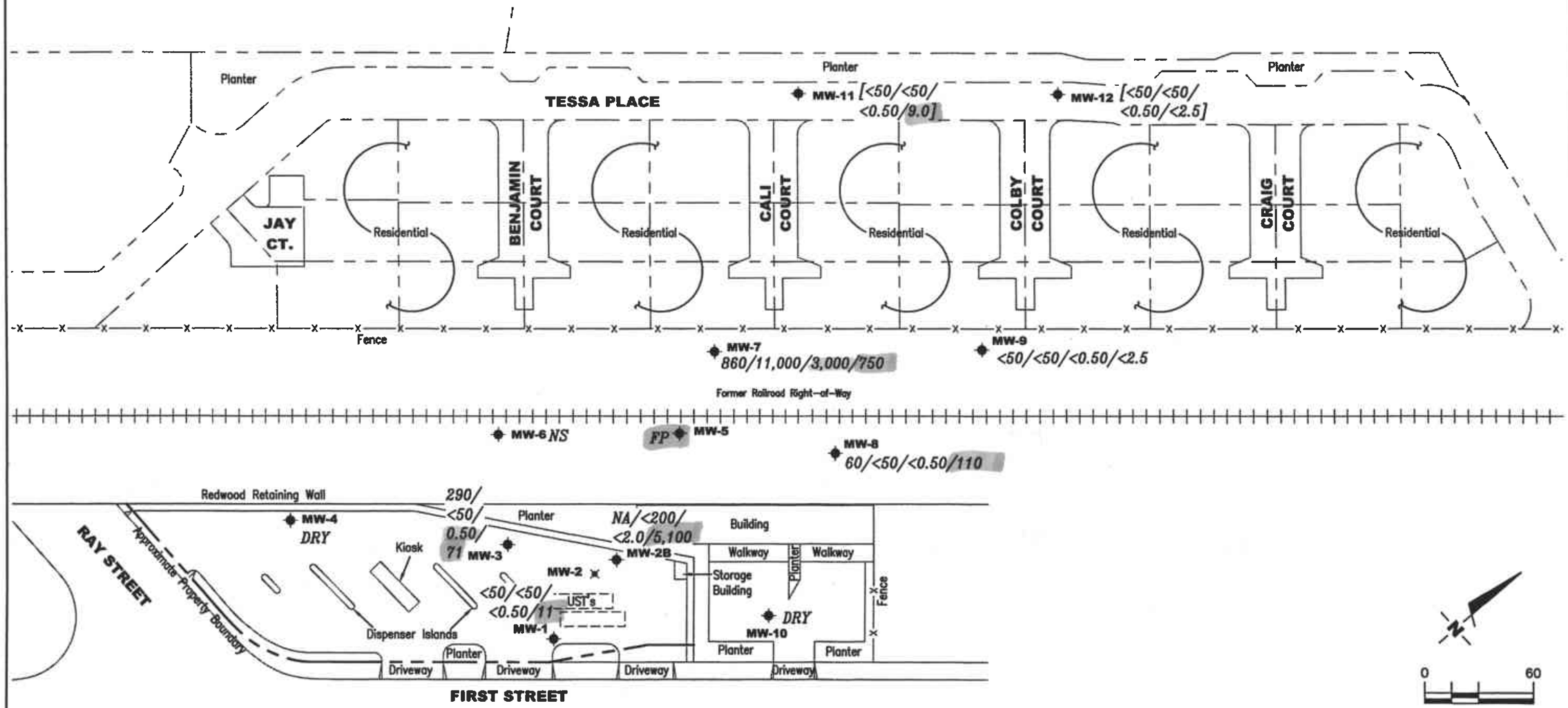

FIGURE 2

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

REVISED DATE

DATE
September 17, 2001

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

PROJECT NUMBER
180075

REVIEWED BY

FILE NAME: P:\Enviro\Tosco\7376\2001-7376.DWG | Layout Tab: Con3

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
	09/25/00	79.48		287.50	0.00	ND	ND	ND	ND	ND	ND	145
	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

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	06/14/01	79.52	65.0-95.0	287.46	0.00	71[20]	ND	ND	ND	ND	ND	680
(cont)	**09/17/01**	**79.76**		**287.22**	**0.00**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**11**
	09/25/01	**79.71**		**287.27**	**0.00**	--	--	--	--	--	--	--
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]

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
		09/17/01	**84.55**		**280.50**	**0.00**	--[36]	**<200**	**<2.0**	**<2.0**	**<2.0**	**<2.0**	**5,100**
		09/25/01	**INACCESSIBLE - CAR PARKED OVER WELL**				--	--	--	--	--	--	--
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

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	08/18/98	83.29	76.5-96.5	283.74	0.00	--	--	--	--	--	--	--
(cont)	09/22/98	83.33		283.70	0.00	95[20]	ND	ND	ND	ND	ND	24
	12/15/98	83.29		283.74	0.00	ND	ND	ND	ND	ND	ND	18
	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
	09/17/01	**84.10**		**282.93**	**0.00**	**290[20]**	**<50**	**0.50**	**<0.50**	**<0.50**	**<0.50**	**71**
	09/25/01	**84.23**		**282.80**	**0.00**	--	--	--	--	--	--	--
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

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	12/23/98	84.95	73.0-93.0	283.86	0.00	--	--	--	--	--	--	--
(cont)	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
	09/03/99	87.23		281.58	0.00	66[19]	ND	ND	ND	ND	ND	ND/ND[27]
	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		--	--	--	--	--	--	--	--	--
	09/17/01	**DRY**		--	--	--	--	--	--	--	--	--
	09/25/01	**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	--	--	--	--	--	--	--

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	06/07/99	68.25	52.0-72.0	295.59**	0.82	4,700,000[26]	210,000	6,700	3,700	5,000	20,000	11,000/4,000[27]
(cont)	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						--
	09/25/00	69.02		294.65**	0.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--
	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						--
	09/17/01	**72.07**		**291.17****	**0.04**	**NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT**						**--**
	09/25/01	**72.17**		**291.06****	**0.03**	**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					--	--

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-6	12/06/99	DRY	68.0-88.0	--	--	--	--	--	--	--	--	--
(cont)	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					--	--
	09/17/01	**87.70**		**275.43**	**0.00**	**NOT SAMPLED DUE TO INSUFFICIENT WATER**					--	--
	09/25/01	**DRY**		--	--	--	--	--	--	--	--	--
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
	09/17/01	**70.28**		**285.69**	**0.00**	**860[20]**	**11,000[37]**	**3,000**	**<50**	**<50**	**<50**	**750**
	09/25/01	**70.49**		**285.48**	**0.00**	--	--	--	--	--	--	--

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												
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
	06/08/00	72.60		289.23	0.00	135[20]	ND	ND	ND	ND	ND	42.8
	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
	09/17/01	**77.19**		**284.64**	**0.00**	**60[20]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**110**
	09/25/01	**77.17**		**284.66**	**0.00**	--	--	--	--	--	--	--
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

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-9	06/14/01	74.75	--	280.10	0.00	ND	ND	ND	ND	ND	ND	ND
(cont)	**09/17/01**	**74.78**		**280.07**	**0.00**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
	09/25/01	**74.83**		**280.02**	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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		--	--	--	--	--	--	--	--	--
	09/17/01	**DRY**		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
	09/25/01	**DRY**		**--**	**-**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-11												
354.66	**09/25/01**	**81.24**	**--**	**273.42**	**0.00**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**9.0**
MW-12												
354.08	**09/25/01**	**80.78**	**--**	**273.30**	**0.00**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
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

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)
TB-LB	12/15/98	--	--	--	--	--	ND	ND	ND	ND	ND	ND
(cont)	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
	09/17/01	--		--	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**
	09/25/01	--		--	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**

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 were re-surveyed September 22, 2001, using the previous measurement references, (Benchmark Elevation = 353.92 feet, NGVD 29). 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). 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).

** 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.

37 Laboratory report indicates unidentified hydrocarbons C6-C10.

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
	09/17/01	**72.07**	**0.04**	**0.00**
	09/25/01	**72.17**	**0.03**	**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.

TOSCO (UNOCAL) SERVICE STATION #7376
PLEASANTON, CA

QUARTERLY MONITORING & SAMPLING
EVENT OF SEPTEMBER 17, 2001

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 9/17/01

City: Pleasanton, Ca Sampler: VanKey

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: 79.76 ft.

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

6.69 x VF 0.17 = 1.13 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: 1035 Weather Conditions: overcast

Sampling Time: 1100 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)
1041	1	7.65	773	66.2			
1047	2	7.50	760	66.9			
1055	3.5	7.47	753	67.1			

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: 9/17/01

City: Pleasanton, Ca Sampler: VanKey

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 84.55 ft.

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

0.70 X VF 0.17 = 0.11 X 3 (case volume) = Estimated Purge Volume: 0.33 (gal.)

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

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

Starting Time:

Sampling Time: 1500

Purging Flow Rate: ppm.

Did well de-water?

Weather Conditions: Clear

Water Color: Clear Odor: mild

Sediment Description:

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-2B	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS: Unable to collect for TPH-D

S:\97-field\.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 9/17/01

City: Pleasanton, Ca Sampler: Vartkes

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 84.10 ft.

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

10.00 X VF 0.17 = 1.7 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: 1425

Sampling Time: 1445

Purging Flow Rate: 1 gpm.

Did well de-water? no

Weather Conditions: clear

Water Color: clear Odor: mild

Sediment Description:

If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1427	2	7.52	1047	70.6			
1429	4	7.35	1058	69.9			
1431	5.5	7.32	1066	69.7			

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: 9/17/01

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

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

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

Starting Time:

Sampling Time:

Purging Flow Rate: gpm.

Did well de-water?

Weather Conditions:

Water Color: Odor:

Sediment Description:

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
	* VOA VIAL	Y	HCL		TPHG/BTEX/MTBE

COMMENTS: Well is dry

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 9/17/01

City: Pleasanton, Ca Sampler: VanKey

Well ID MW-5 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.04 in. Amount Bailed (product/water): 4 (gal.)

Total Depth 72.50 ft.

Depth to Water 72.07 ft.

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

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

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

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

Starting Time: ____ Weather Conditions: ____

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
	x VOA VIAL	Y	HCL		TPHG/BTEX/MTBE

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

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 9/17/01

City: Pleasanton, Ca Sampler: Vartkes

Well ID MW-6 Well Condition: ok

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

Total Depth 88.00 ft.

Depth to Water 87.70 ft.

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

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

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

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

Starting Time: ____ Weather Conditions: ____

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
	4 VOA vials	Y	HCl		TPHG/BTEX/MTBE

COMMENTS: Insufficient water to sample.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco # 7376 Job#: 180075

Address: 4191 First st. Date: 9/17/01

City: Pleasanton, Ca Sampler: VanKey

Well ID MW-7 Well Condition: OK

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

Total Depth 76.80 ft.

Depth to Water 70.28 ft.

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

6.52 X VF 0.17 = 1.10 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: 1325 Weather Conditions: clear

Sampling Time: 1355 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)
1332	1	7.47	1203	70.3			
1340	2	7.30	1190	70.8			
1348	3.5	7.26	1186	70.6			

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: 9/17/01

City: Pleasanton, Ca Sampler: Vartkes

Well ID MW-8 Well Condition: ok

Well Diameter 2 in. Hydrocarbon Thickness: 0.05 in. Amount Bailed (product/water): 2 (gal.)

Total Depth 84.50 ft.

Depth to Water 77.19 ft.

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

7.31 x VF 0.17 = 1.24 X 3 (case volume) = Estimated Purge Volume: 4.0 (gal.)

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

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

Starting Time: 1130 Weather Conditions: clear

Sampling Time: 1200 Water Color: brown Odor: no

Purging Flow Rate: ppm. 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)
1137	1	7.71	945	68.4			
1145	2.5	7.53	938	69.1			
1153	4	7.50	934	69.3			

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: 9/17/01

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 74.78 ft.

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

3.27 X VF 0.17 = 0.55 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: 1235 Weather Conditions: clear

Sampling Time: 1300 Water Color: brn. Odor: NO

Purging Flow Rate: ppm. Sediment Description: SLT

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)
1241	.5	7.74	763	69.5			
1248	1	7.60	778	70.1			
1255	2	7.54	789	70.3			

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: 9/17/01

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 93.40 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 0.17 = ____ X 3 (case volume) = Estimated Purge Volume: ____ (gal.)

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

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

Starting Time: ____ Weather Conditions: ____

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
	4 VOA VIAL	Y	HCL		TPHG/BTEX/MTBE

COMMENTS: well is dry

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): DAVID DEWITT Mgr. Tina R. Berry
(Phone): (510) 277-2324
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): Vartkes Tashjian
Collection Date: 9/17/01
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 MKL0334 Remarks
TB-LB		1	W	G		HCl	Y	X												01
MW-1		4	"	"	1100	"	"	X	X											02
MW-2B		3	"	"	1500	"	"	X												03
MW-3		4	"	"	1445	"	"	X	X											04
MW-7		4	"	"	1355	"	"	X	X											05
MW-8		4	"	"	1200	"	"	X	X											06
MW-9		4	"	"	1300	"	"	X	X											07

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	9/17/01 1620			9/17/01 1620
		9/17/01		SEQ	9/17 1620
SEQ	SEQ	9/17 1830			9/17/01 1820

Received For Laboratory By (Signature):

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

1 October, 2001

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

RE: Tosco/Unocal
Sequoia Report: MKI0336

Enclosed are the results of analyses for samples received by the laboratory on 09/17/01 16:20. 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

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	MKI0336-01	Water	09/17/01 00:00	09/17/01 16:20
MW-1	MKI0336-02	Water	09/17/01 11:00	09/17/01 16:20
MW-2B	MKI0336-03	Water	09/17/01 15:00	09/17/01 16:20
MW-3	MKI0336-04	Water	09/17/01 14:45	09/17/01 16:20
MW-7	MKI0336-05	Water	09/17/01 13:55	09/17/01 16:20
MW-8	MKI0336-06	Water	09/17/01 12:00	09/17/01 16:20
MW-9	MKI0336-07	Water	09/17/01 13:00	09/17/01 16:20

Sequoia Analytical - Morgan Hill

James Hartley, Project Manager

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

Sequoia Analytical

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Morgan Hill, CA 95037
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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8021A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (MKI0336-01) Water Sampled: 09/17/01 00:00 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	1I21003	09/21/01	09/21/01	DHS LUFT/8015B	
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		*98.0 %*	*70-130*		"	"	"	"	
MW-1 (MKI0336-02) Water Sampled: 09/17/01 11:00 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	1I21003	09/21/01	09/21/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**11**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*70-130*		"	"	"	"	
MW-2B (MKI0336-03) Water Sampled: 09/17/01 15:00 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	ND	200	ug/l	4	1I24002	09/24/01	09/24/01	DHS LUFT/8015B	R-05
Benzene	ND	2.0	"	"	"	"	"	"	R-05
Toluene	ND	2.0	"	"	"	"	"	"	R-05
Ethylbenzene	ND	2.0	"	"	"	"	"	"	R-05
Xylenes (total)	ND	2.0	"	"	"	"	"	"	R-05
Methyl tert-butyl ether	**5100**	120	"	50	"	"	09/24/01	"	M-03
Surrogate: a,a,a-Trifluorotoluene		*86.6 %*	*70-130*		"	"	*09/24/01*	"	

Sequoia Analytical

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Morgan Hill, CA 95037
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www.sequoialabs.com

Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8021A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKI0336-04) Water Sampled: 09/17/01 14:45 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	1121003	09/21/01	09/21/01	DHS LUFT/8015B	
Benzene	**0.50**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**71**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*70-130*		"	"	"	"	
MW-7 (MKI0336-05) Water Sampled: 09/17/01 13:55 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	**11000**	5000	ug/l	100	1125004	09/25/01	09/25/01	DHS LUFT/8015B	P-03
Benzene	**3000**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**750**	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*70-130*		"	"	"	"	
MW-8 (MKI0336-06) Water Sampled: 09/17/01 12:00 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	1121003	09/21/01	09/21/01	DHS LUFT/8015B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**110**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*	*70-130*		"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8021A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MKJ0336-07) Water Sampled: 09/17/01 13:00 Received: 09/17/01 16:20									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	1I21003	09/21/01	09/21/01	DHS LUFT/8015B	
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		*92.6 %*		*70-130*	"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKI0336-02) Water Sampled: 09/17/01 11:00 Received: 09/17/01 16:20									
Diesel Range Organics (C9-C24)	ND	50	ug/l	1	1I28016	09/28/01	10/01/01	DHS LUFT	
Surrogate: n-Pentacosane		*105 %*	*50-150*		"	"	"	"	
MW-3 (MKI0336-04) Water Sampled: 09/17/01 14:45 Received: 09/17/01 16:20									
Diesel Range Organics (C9-C24)	**290**	50	ug/l	1	1I28016	09/28/01	10/01/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*99.4 %*	*50-150*		"	"	"	"	
MW-7 (MKI0336-05) Water Sampled: 09/17/01 13:55 Received: 09/17/01 16:20									
Diesel Range Organics (C9-C24)	**860**	50	ug/l	1	1I28016	09/28/01	10/01/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*110 %*	*50-150*		"	"	"	"	
MW-8 (MKI0336-06) Water Sampled: 09/17/01 12:00 Received: 09/17/01 16:20									
Diesel Range Organics (C9-C24)	**60**	50	ug/l	1	1I28016	09/28/01	10/01/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		*98.4 %*	*50-150*		"	"	"	"	
MW-9 (MKI0336-07) Water Sampled: 09/17/01 13:00 Received: 09/17/01 16:20									
Diesel Range Organics (C9-C24)	ND	50	ug/l	1	1I28016	09/28/01	10/01/01	DHS LUFT	
Surrogate: n-Pentacosane		*98.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8021A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1I21003 - EPA 5030B [P/T]										
Blank (1I21003-BLK1)				Prepared & Analyzed: 09/21/01						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.78*		"	*10.0*		*97.8*	*70-130*			
LCS (1I21003-BS1)				Prepared & Analyzed: 09/21/01						
Benzene	9.85	0.50	ug/l	10.0		98.5	70-130			
Toluene	10.2	0.50	"	10.0		102	70-130			
Ethylbenzene	10.6	0.50	"	10.0		106	70-130			
Xylenes (total)	31.1	0.50	"	30.0		104	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			
LCS (1I21003-BS2)				Prepared & Analyzed: 09/21/01						
Gasoline Range Organics (C6-C10)	255	50	ug/l	250		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.2*		"	*10.0*		*112*	*70-130*			
Matrix Spike (1I21003-MS1)		**Source: MKI0336-06**		Prepared & Analyzed: 09/21/01						
Gasoline Range Organics (C6-C10)	191	50	ug/l	250	ND	76.4	60-140			
Surrogate: a,a,a-Trifluorotoluene	*11.0*		"	*10.0*		*110*	*70-130*			
Matrix Spike Dup (1I21003-MSD1)		**Source: MKI0336-06**		Prepared & Analyzed: 09/21/01						
Gasoline Range Organics (C6-C10)	257	50	ug/l	250	ND	103	60-140	29.5	25	QR-02
Surrogate: a,a,a-Trifluorotoluene	*11.0*		"	*10.0*		*110*	*70-130*			

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8021A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1I24002 - EPA 5030B [P/T]										
Blank (1I24002-BLK1)				Prepared & Analyzed: 09/24/01						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*8.66*		"	*10.0*		*86.6*	*70-130*			
LCS (1I24002-BS1)				Prepared & Analyzed: 09/24/01						
Benzene	8.58	0.50	ug/l	10.0		85.8	70-130			
Toluene	8.38	0.50	"	10.0		83.8	70-130			
Ethylbenzene	8.79	0.50	"	10.0		87.9	70-130			
Xylenes (total)	26.3	0.50	"	30.0		87.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.14*		"	*10.0*		*91.4*	*70-130*			
LCS (1I24002-BS2)				Prepared & Analyzed: 09/24/01						
Gasoline Range Organics (C6-C10)	237	50	ug/l	250		94.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.28*		"	*10.0*		*92.8*	*70-130*			
Matrix Spike (1I24002-MS1)		**Source: MKI0402-01**		Prepared & Analyzed: 09/24/01						
Gasoline Range Organics (C6-C10)	241	50	ug/l	250	ND	96.4	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.41*		"	*10.0*		*94.1*	*70-130*			
Matrix Spike Dup (1I24002-MSD1)		**Source: MKI0402-01**		Prepared & Analyzed: 09/24/01						
Gasoline Range Organics (C6-C10)	251	50	ug/l	250	ND	100	60-140	4.07	25	
Surrogate: a,a,a-Trifluorotoluene	*9.81*		"	*10.0*		*98.1*	*70-130*			

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Total Purgeable Hydrocarbons (C6-C10) by DHS LUFT and BTEX and MTBE by 8021A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1I25004 - EPA 5030B [P/T]										
Blank (1I25004-BLK1)				Prepared & Analyzed: 09/25/01						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			
LCS (1I25004-BS1)				Prepared & Analyzed: 09/25/01						
Benzene	9.45	0.50	ug/l	10.0		94.5	70-130			
Toluene	9.75	0.50	"	10.0		97.5	70-130			
Ethylbenzene	10.1	0.50	"	10.0		101	70-130			
Xylenes (total)	31.7	0.50	"	30.0		106	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			
LCS (1I25004-BS2)				Prepared & Analyzed: 09/25/01						
Gasoline Range Organics (C6-C10)	255	50	ug/l	250		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*13.5*		"	*10.0*		*135*	*70-130*			*S-02*

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

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 1I28016 - EPA 3510B										
Blank (1I28016-BLK1)				Prepared & Analyzed: 09/28/01						
Diesel Range Organics (C9-C24)	ND	50	ug/l							
Surrogate: n-Pentacosane	*39.1*		"	*50.0*		*78.2*	*50-150*			
LCS (1I28016-BS1)				Prepared & Analyzed: 09/28/01						
Diesel Range Organics (C9-C24)	495	50	ug/l	500		99.0	60-140			
Surrogate: n-Pentacosane	*43.0*		"	*50.0*		*86.0*	*50-150*			
LCS Dup (1I28016-BSD1)				Prepared & Analyzed: 09/28/01						
Diesel Range Organics (C9-C24)	488	50	ug/l	500		97.6	60-140	1.42	50	
Surrogate: n-Pentacosane	*44.3*		"	*50.0*		*88.6*	*50-150*			

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Gettler Ryan/Geostrategies - Tosco/Unocal	Project: Tosco/Unocal	
6747 Sierra Ct, Suite J	Project Number: Tosco (Unocal) SS #7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	10/01/01 15:18

Notes and Definitions

D-15	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
M-03	This result is from a second dilution of the sample. An initial result was reported from a previous dilution of the sample necessary to report other analytes in a different range.
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
QR-02	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
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

TOSCO (UNOCAL) SERVICE STATION#7376
PLEASANTON, CA

SPECIAL MONITORING & SAMPLING
EVENT OF SEPTEMBER 25, 2001

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05

Address: 4191 First St. | Date: 9/25/01

City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-1 | Well Condition: OK

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

Total Depth: 86.45 ft.

Depth to Water: 79.71 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: _____

Sampling Time: N/A

Purging Flow Rate: _____ gpm

Did well de-water? _____

Weather Conditions: _____

Water Color: _____ Odor: _____

Sediment Description: _____

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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05

Address: 4191 First St. | Date: 9/25/01

City: Pleasanton, CA | Sampler: MAIG K.

Well ID: MW-2B | Well Condition: * INACCESSIBLE (PARKED OVER)

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

Total Depth: ____ ft.

Depth to Water: X 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: ____ | Weather Conditions: ____

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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORING ONLY * INACCESSIBLE CAR PARKED OVER (UNABLE TO FIND OWNER)

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05
Address: 4191 First St. | Date: 9/25/01
City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-3 | Well Condition: OK
Well Diameter: 2 in. | Hydrocarbon Thickness: Ø in. | Amount Bailed (product/water): Ø (gal.)
Total Depth: 94.10 ft.
Depth to Water: 84.23 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: _____
Sampling Time: N/A
Purging Flow Rate: _____ gpm.
Did well de-water? _____

Weather Conditions: SUNNY
Water Color: _____ Odor: _____
Sediment Description: _____
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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.03
Address: 4191 First St. | Date: 9/25/01
City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-4 | Well Condition: DRY
Well Diameter: 2 in. | Hydrocarbon Thickness: Ø in. | Amount Bailed (product/water): Ø (gal.)
Total Depth: 92.90 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: N/A — Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other: _____

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

Starting Time: _____
Sampling Time: N/A
Purging Flow Rate: _____ gpm.
Did well de-water? _____

Weather Conditions: SUNNY
Water Color: DRY | Odor: _____
Sediment Description: _____
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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY (DRY).

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco #7376 Job#: 140107.05

Address: 4191 First St. Date: 9/25/01

City: Pleasanton, CA Sampler: HAIG K.

Well ID MW-5 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.03 ft Amount Bailed (product/water): ~~~ (gal.)

Total Depth 12.50 ft.

Depth to Water 12.17 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: _____ 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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY (SPH 0.03' BLACK OILY).

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 Job#: 140107.05

Address: 4191 First St. Date: 9/25/01

City: Pleasanton, CA Sampler: HAIG K.

Well ID: MW-6 Well Condition: DRY

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

Total Depth: 8 8.00 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: (N/A)
Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

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

Starting Time: _____ 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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY (DRY).

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05

Address: 4191 First St. | Date: 9/25/01

City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-7 | Well Condition: OK

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

Total Depth: 16.80 ft.

Depth to Water: 10.49 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:

Sampling Time: N/A

Purging Flow Rate: — gpm.

Did well de-water?

Weather Conditions: SUNNY

Water Color: — Odor:

Sediment Description:

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
	4 VOA VIAL	Y	HCL	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05
Address: 4191 First St. | Date: 9/25/01
City: Pleasanton, CA | Sampler: MRG K.

Well ID: MW-8 | Well Condition: OK
Well Diameter: 2 in. | Hydrocarbon Thickness: ~~0~~ in. | Amount Bailed (product/water): ~~0~~ (gal.)
Total Depth: 84.50 ft.
Depth to Water: 77.14 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:~~ N/A
Sampling Equipment: ~~Disposable Bailer~~ ~~Bailer~~ ~~Pressure Bailer~~ ~~Grab Sample~~ ~~Other:~~ N/A

Starting Time: _____ | 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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY

9/97-Retest.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05

Address: 4191 First St. | Date: 9/25/01

City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-9 | Well Condition: OK

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

Total Depth: 18.05 ft.

Depth to Water: 14.83 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: _____

Sampling Time: N/A

Purging Flow Rate: _____ gpm.

Did well de-water? _____

Weather Conditions: Sunny

Water Color: _____ Odor: _____

Sediment Description: _____

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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05
Address: 4191 First St. | Date: 9/25/01
City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-10 | Well Condition: DRY
Well Diameter: 2 in. | Hydrocarbon Thickness: Ø in. | Amount Bailed (product/water): Ø (gal.)
Total Depth: 93.40 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: (N/A) Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other: _____

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

Starting Time: _____ | 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	Lancaster	TPHG/BTEX/MTBE

COMMENTS: MONITORED ONLY (DRY).

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco #7376 Job#: 140107.05

Address: 4191 First St. Date: 9/25/01

City: Pleasanton, CA Sampler: HAIG K.

Well ID MW-11 Well Condition: NEW

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

Total Depth 86.33 ft.

Depth to Water 81.24 ft.

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

5.09 x VF 0.17 = 0.86 x 3 (case volume) = Estimated Purge Volume: 2.5 (gal.)

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

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

Starting Time: 13:19 Weather Conditions: SUNNY

Sampling Time: 14:05 Water Color: CLOUDY Odor: _____

Purging Flow Rate: N/A gpm. Sediment Description: N/A

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
13:45	1	6.73	1051	24.1			
13:48	2	6.64	1090	23.3			
13:50	2.5	6.68	1104	23.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
MW-11	1 LITER AMBER	Y	N/A	SEQUOIA	TPH-D

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: Tosco #7376 | Job#: 140107.05
Address: 4191 First St. | Date: 9/25/01
City: Pleasanton, CA | Sampler: HAIG K.

Well ID: MW-12 | Well Condition: NFW
Well Diameter: 2 in. | Hydrocarbon Thickness: Ø in. | Amount Bailed (product/water): Ø (gal.)
Total Depth: 89.33 ft.
Depth to Water: 80.78 ft.

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

8.55 x VF 0.17 = 1.4 x 3 (case volume) = Estimated Purge Volume: 4.2 (gal.)

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

Starting Time: 14:15
Sampling Time: 14:45
Purging Flow Rate: N/A gpm.
Did well de-water? NO

Weather Conditions: SUNNY
Water Color: CLOUDY | Odor:
Sediment Description: N/A
If yes; Time: | Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:18	1.5	6.66	1020	21.6			
14:23	3	6.58	1058	20.3			
14:27	4	6.59	1065	20.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE
MW-12	1 AMBER LITER	Y	N/A	SEQUOIA	TPH-D

COMMENTS:

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 ~~[illegible]~~ 140107.05
Consultant Name Gettler-Ryan Inc. (G-R Inc.)
Address 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name) Deanna L. Harding
(Phone) 925-551-7555 (Fax Number) 925-551-7899

(Phone) 925-277-2384
Laboratory Name Sequoia Analytical
Laboratory Release Number
Samples Collected by (Name) HAIG KEVORK
Collection Date 9/25/2001
Signature

DO NOT BILL TB-LB ANALYSIS

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water 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)	Remarks
TB-LB		1	W	G		HCL	Yes	X								
MW-11		4	W	G	14:05	HCL 3 VOA's	Yes	X	X							
MW-12		4	W	G	14:45	HCL 3 VOA's	Yes	X	X							

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	9/26/01 10:25			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time 9/26/01 10:25

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

Sequoia Analytical

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10 October, 2001

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

RE: Tosco
Sequoia Report: W109378

Enclosed are the results of analyses for samples received by the laboratory on 26-Sep-01 10:25. 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: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W109378-01	Water	25-Sep-01 00:00	26-Sep-01 10:25
MW-11	W109378-02	Water	25-Sep-01 14:05	26-Sep-01 10:25
MW-12	W109378-03	Water	25-Sep-01 14:45	26-Sep-01 10:25

Sequoia Analytical - Walnut Creek

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.

Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

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
TB-LB (W109378-01) Water Sampled: 25-Sep-01 00:00 Received: 26-Sep-01 10:25									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	1125003	27-Sep-01	27-Sep-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	Q-28
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	
MW-11 (W109378-02) Water Sampled: 25-Sep-01 14:05 Received: 26-Sep-01 10:25									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	1125003	27-Sep-01	27-Sep-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**9.0**	2.5	"	"	"	"	"	"	Q-28
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*	*70-130*		"	"	"	"	
MW-12 (W109378-03) Water Sampled: 25-Sep-01 14:45 Received: 26-Sep-01 10:25									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	1125003	27-Sep-01	27-Sep-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.0 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

Diesel Hydrocarbons (C10-C23) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (W109378-02) Water Sampled: 25-Sep-01 14:05 Received: 26-Sep-01 10:25									
Diesel Range Hydrocarbons (C10-C23)	ND	50	ug/l	1	1J08008	08-Oct-01	08-Oct-01	EPA 8015M	
Surrogate: n-Pentacosane		*113 %*	*50-150*		"	"	"	"	
MW-12 (W109378-03) Water Sampled: 25-Sep-01 14:45 Received: 26-Sep-01 10:25									
Diesel Range Hydrocarbons (C10-C23)	ND	50	ug/l	1	1J08008	08-Oct-01	08-Oct-01	EPA 8015M	
Surrogate: n-Pentacosane		*113 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

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 1I25003 - EPA 5030B P/T										
Blank (1I25003-BLK1)				Prepared & Analyzed: 26-Sep-01						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*26.4*		"	*30.0*		*88.0*	*70-130*			
Blank (1I25003-BLK2)				Prepared & Analyzed: 27-Sep-01						
Purgeable Hydrocarbons (C6-C12)	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 (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*28.6*		"	*30.0*		*95.3*	*70-130*			
LCS (1I25003-BS1)				Prepared & Analyzed: 26-Sep-01						
Benzene	17.0	0.50	ug/l	20.0		85.0	70-130			
Toluene	16.5	0.50	"	20.0		82.5	70-130			
Ethylbenzene	17.5	0.50	"	20.0		87.5	70-130			
Xylenes (total)	51.5	0.50	"	60.0		85.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.7*		"	*30.0*		*92.3*	*70-130*			
LCS (1I25003-BS2)				Prepared & Analyzed: 27-Sep-01						
Benzene	20.0	0.50	ug/l	20.0		100	70-130			
Toluene	17.4	0.50	"	20.0		87.0	70-130			
Ethylbenzene	17.2	0.50	"	20.0		86.0	70-130			
Xylenes (total)	54.2	0.50	"	60.0		90.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.8*		"	*30.0*		*96.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

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 1I25003 - EPA 5030B P/T										
Matrix Spike (1I25003-MS1)		**Source: W109363-04**		Prepared: 26-Sep-01 Analyzed: 27-Sep-01						
Benzene	21.5	0.50	ug/l	20.0	ND	108	70-130			
Toluene	19.8	0.50	"	20.0	ND	99.0	70-130			
Ethylbenzene	20.5	0.50	"	20.0	ND	102	70-130			
Xylenes (total)	60.6	0.50	"	60.0	ND	101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*33.2*		"	*30.0*		*111*	*70-130*			
Matrix Spike Dup (1I25003-MSD1)		**Source: W109363-04**		Prepared: 26-Sep-01 Analyzed: 28-Sep-01						
Benzene	22.2	0.50	ug/l	20.0	ND	111	70-130	3.20	20	
Toluene	18.6	0.50	"	20.0	ND	93.0	70-130	6.25	20	
Ethylbenzene	17.8	0.50	"	20.0	ND	89.0	70-130	14.1	20	
Xylenes (total)	58.0	0.50	"	60.0	ND	96.7	70-130	4.38	20	
Surrogate: a,a,a-Trifluorotoluene	*31.6*		"	*30.0*		*105*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

Diesel Hydrocarbons (C10-C23) 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 1J08008 - EPA 3510B										
Blank (1J08008-BLK1)				Prepared & Analyzed: 08-Oct-01						
Diesel Range Hydrocarbons (C10-C23)	ND	50	ug/l							
Surrogate: n-Pentacosane	*37.3*		"	*33.3*		*112*	*50-150*			
LCS (1J08008-BS1)				Prepared & Analyzed: 08-Oct-01						
Diesel Range Hydrocarbons (C10-C23)	429	50	ug/l	500		85.8	60-140			
Surrogate: n-Pentacosane	*36.0*		"	*33.3*		*108*	*50-150*			
LCS Dup (1J08008-BSD1)				Prepared & Analyzed: 08-Oct-01						
Diesel Range Hydrocarbons (C10-C23)	410	50	ug/l	500		82.0	60-140	4.53	50	
Surrogate: n-Pentacosane	*35.0*		"	*33.3*		*105*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	10-Oct-01 11:25

Notes and Definitions

Q-28	The opening calibration verification standard was outside acceptance criteria by -0.5%. Although the Laboratory Control Sample verified the accuracy of the batch, this should be considered in evaluating the data for its intended purpose.
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