GETTLER-RYAN INC.

January 27, 2000
G-R Job #180075

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

RE: Fourth Quarter 1999 Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #7376
4191 First Street
Pleasanton, California

Dear Mr. De Witt:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On December 6, 1999, field personnel monitored ten wells (MW-1, MW-2B and MW-3 through MW-10) and sampled seven wells (MW-1, MW-2B, MW-3, MW-4, MW-7, MW-8, and MW-9) at the above referenced site. **Two wells (MW-6 and MW-10) were dry.**

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

Barbara Sieminski
Project Geologist, R.G. No. 6676

REGISTERED GEOLOGIST
BARBARA SIEMINSKI
No. 6676
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
7376.qml	Chain of Custody Document and Laboratory Analytical Reports

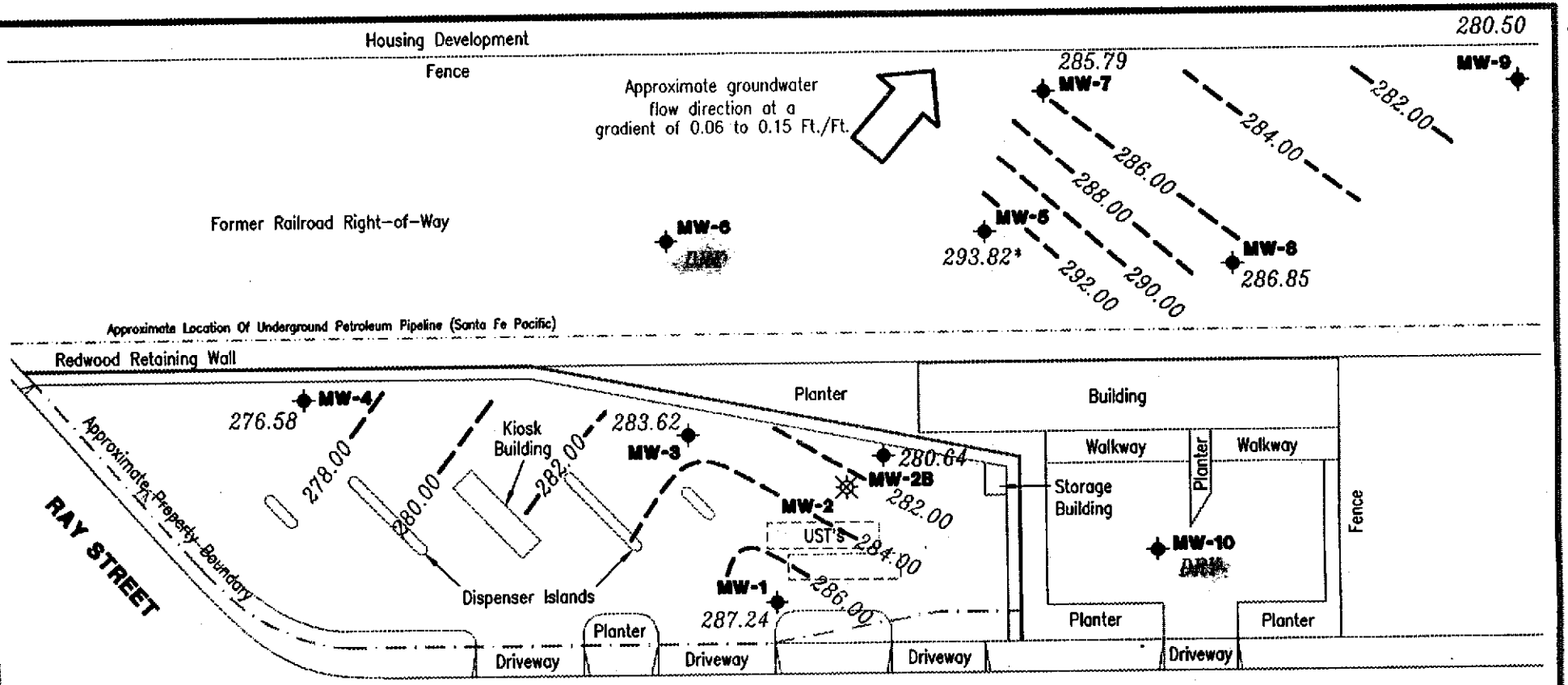


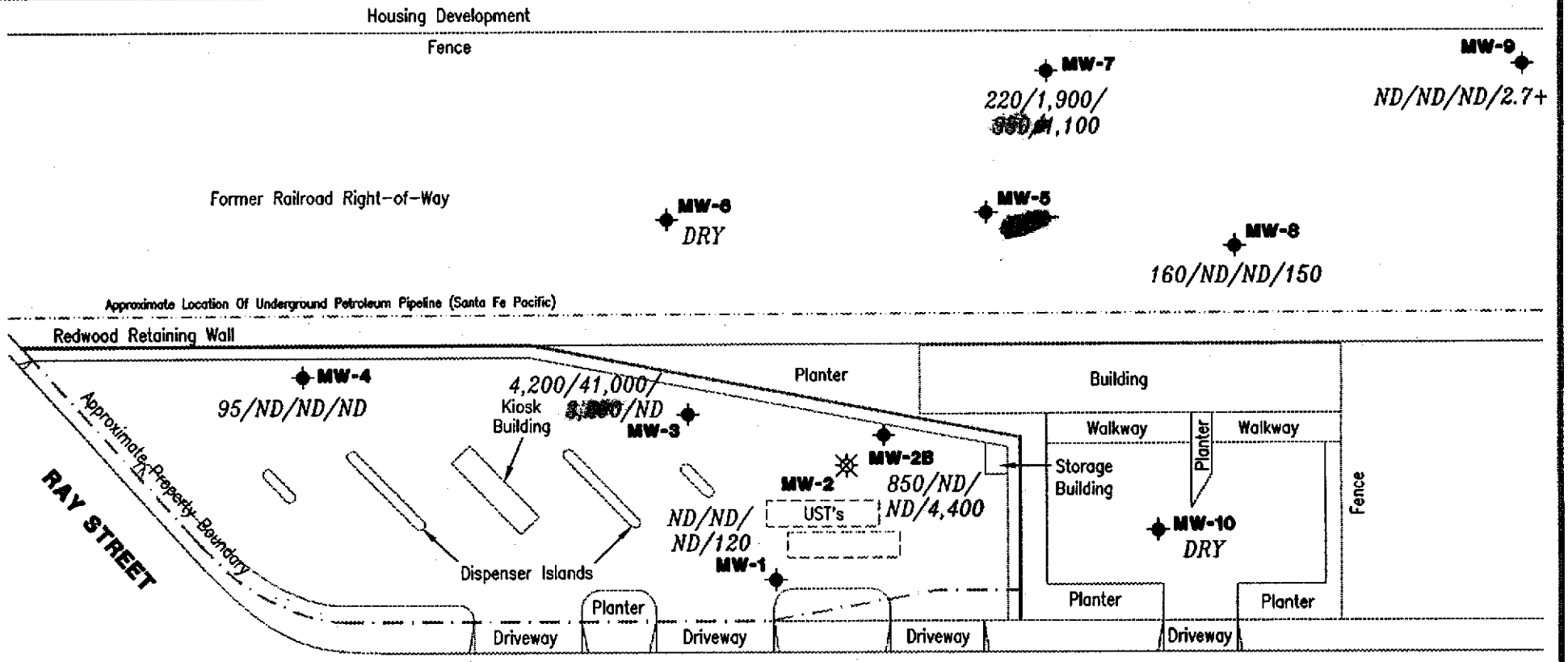
FIGURE 1

Gettler - Ryan Inc.

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

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station No. 7376
4191 First Street
Pleasanton, California

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180075		December 6, 1999	



EXPLANATION

- ✦ Groundwater monitoring well
- ✵ Destroyed monitoring well
- *A/B/C/D* TPH(D) (Total Petroleum Hydrocarbons as Diesel)/TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/[illegible]/MTBE concentrations in ppb
- *ND* Not Detected
- Free Product
- \+ MTBE by EPA Method 8260

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

CONCENTRATION MAP
Tosco (Unocal) Service Station No. 7376
4191 First Street
Pleasanton, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180075		December 6, 1999	

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

Well ID/ TOC*	Date	DTW (ft.)	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]	--	--	--	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**
MW-2	12/08/87				620[2]	1,800[3]	910	800	260	1,200	--
	12/07/94	DAMAGED	--	--	--	--	--	--	--	--	--
	02/07/95	DESTROYED	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2B											
365.05	03/01/95	80.80	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	Sheen	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	Sheen	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]
	03/23/99	77.06	287.99	0.00	--	--	--	--	--	--	--
	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**
MW-3	12/08/87	--	--	--	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

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	06/15/96	75.13	291.88	0.00	400[4]	780	190	8.8	3.8	4.0	630
(cont)	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
	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]**
MW-4											
369.03	09/18/96	73.67	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	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	03/15/99	78.47	290.34	0.00	ND	ND	ND	ND	ND	ND	ND
(cont)	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**
MW-5											
363.23	09/18/96	64.20	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**					--	--
MW-6											
363.12	09/18/96	79.07	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

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	12/15/97	84.03	279.09	0.00	ND	78[9]	ND	ND	ND	ND	39
(cont)	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	INSUFFICIENT WATER TO SAMPLE			--	--	--	--
	12/06/99	**DRY**	--	--	--	--	--	--	--	--	--
MW-7											
355.97	06/26/98	--	--	--	--	--	--	--	--	--	--
	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**
MW-8											
362.37	06/26/98	63.00	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

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (msl)	Product Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	12/23/98	70.03	292.34	0.00	--	--	--	--	--	--	--
(cont)	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**
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]**
MW-10											
362.62	11/29/99	DRY	--	--	--	--	--	--	--	--	--
	12/06/99	**DRY**	--	--	--	--	--	--	--	--	--
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**

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
GWE = Groundwater Elevation
msl = Relative to mean sea level
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

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

* TOC elevations have been surveyed relative to mean sea level (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).

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

*** Groundwater elevation 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.
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.

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

EXPLANATIONS: (cont)

[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 gasoline C6-C12 + unidentified hydrocarbons <C6.

[32] Laboratory report indicates unidentified hydrocarbons C9-C40.

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**	**0.02**	**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**

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
-- = Not Analyzed
ND = Not Detected

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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.

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 a MMC flexi-dip 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: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-1 — Well Condition: OK

Well Diameter: 2 in. — Hydrocarbon Thickness: ϕ (feet) — Amount Bailed (product/water): ϕ (Gallons)

Total Depth: 86.43 ft.

Depth to Water: 79.74 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: 3.41 (gal.)

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

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

Starting Time: 11:16 — Weather Conditions: cloudy

Sampling Time: 11:40 — Water Color: cl — Odor: no

Purging Flow Rate: 0.5 gpm. — Sediment Description: _____

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:18	1	7.54	8.58	68.7			
11:20	2	7.40	8.45	69.2			
11:23	3.5	7.32	8.41	69.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x 40ml/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-1	1 Amber	~	NONE	~	TPH-D

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Address: 4191 First St. | Date: 12/6/99

City: Pleasanton | Sampler: Vartkes

Well ID: MW-2B | Well Condition: OK

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

Total Depth: 85.25 ft.

Depth to Water: 84.41 ft.

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

0.84 X VF 0.17 = 0.14 X 3 (case volume) = Estimated Purge Volume: 0.42 (gal.)

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

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

Starting Time: 2:00 | Weather Conditions: Cldy

Sampling Time: 2:19 | Water Color: Brn | Odor: _____

Purging Flow Rate: _____ gpm. | Sediment Description: Silt

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:05	0.25	7.20	11.50	68.4			
2:08	0.5	7.08	11.35	68.7			
2:11	1.	7.03	11.32	68.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2B	3 x 40ml/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-2B	1 Amber	~	NONE	~	TPH-D

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First st. — Date: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-3 — Well Condition: OK

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

Total Depth: 94.11 ft.

Depth to Water: 83.41 ft.

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

10.70 X VF 0.17 = 1.81 X 3 (case volume) = Estimated Purge Volume: 5.45 (gal.)

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

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

Starting Time: 2:35 — Weather Conditions: Cloudy

Sampling Time: 2:58 — 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)
2:37	2	7.03	9.28	69.5			
2:39	4	6.85	9.37	69.1			
2:41	5.5	6.81	9.39	69.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x 40m/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-3	1 Amber	~	NONE	~	TPH-D

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First st. — Date: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-4 — Well Condition: OK

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

Total Depth: 93.01 ft.

Depth to Water: 92.23 ft.

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

0.78 X VF 0.17 = 0.13 X 3 (case volume) = Estimated Purge Volume: 0.39 (gal.)

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

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

Starting Time: 10:45 — Weather Conditions: overcast

Sampling Time: 11:00 — Water Color: brown — Odor: no

Purging Flow Rate: _____ gpm. — Sediment Description: Sand - 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)
10:50	0.25	7.58	7.29	65.3			
10:54	0.5	7.49	7.17	66.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x 40ml/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-4	1 Amber	"	NONE	"	TPH-D

COMMENTS: _____

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First st. — Date: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-5 — Well Condition: OK

Well Diameter: 2 in. — Hydrocarbon Thickness: [redacted] (feet) — Amount Bailed *: 0 (product/water): (Gallons)

Total Depth: 72.52 ft.

Depth to Water: 70.02 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-	3x40ml VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-	1 Amber	"	NONE	"	TPH-D

COMMENTS: Not Sampled due to the presence of Free Product.
* No product bailed / Deanna's instruction.

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First st. — Date: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-6 — Well Condition: Ok

Well Diameter: 2 in. — Hydrocarbon Thickness: P (feet) — Amount Bailed (product/water): P (Gallons)

Total Depth: 88.00 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:
- 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-	3x40ml VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-	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: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-7 — Well Condition: OK

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

Total Depth: 76.90 ft.

Depth to Water: 70.18 ft.

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

6.72 X VF 0.17 = 1.14 X 3 (case volume) = Estimated Purge Volume: 3.42 (gal.)

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

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

Starting Time: 1:20 — Weather Conditions: cldy

Sampling Time: 1:41 — Water Color: bro — Odor: [redacted]

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)
1:21	1	7.04	10.88	69.0			
1:23	2.5	6.91	10.96	68.4			
1:25	3.5	6.83	11.03	68.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x 40ml VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-7	1 Amber	~	NONE	~	TPH-D

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First St. — Date: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-8 — Well Condition: OK

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

Total Depth: 86.40 ft.

Depth to Water: 74.98 ft.

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

11.42 x VF 0.17 = 1.94 x 3 (case volume) = Estimated Purge Volume: 5.82 (gal.)

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

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

Starting Time: 12:40 — Weather Conditions: dry

Sampling Time: 1:02 — Water Color: brn — 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 x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:42	2	7.39	9.22	67.4			
12:44	4	7.20	9.08	67.8			
12:46	6	7.14	9.03	68.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x 40ml/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-8	1 Amber	"	NONE	"	TPH-D

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First st. — Date: 12/6/99

City: Pleasanton — Sampler: Vartkes

Well ID: MW-9 — Well Condition: ok

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

Total Depth: 78.20 ft.

Depth to Water: 74.35 ft.

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

3.85 X VF 0.17 = 0.65 X 3 (case volume) = Estimated Purge Volume: 1.96 (gal.)

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

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

Starting Time: 12:05 — Weather Conditions: cloudy

Sampling Time: 12:25 — 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 X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:09	0.5	7.15	7.84	68.3			
12:03	1	7.03	7.82	68.8			
12:18	2	6.96	7.79	68.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x 40m/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-9	1 Amber	~	NONE	~	TPH-D

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # Tosco 7376 — Job#: 180075

Address: 4191 First st. — Date: 12/6/99

City: Pleasanton — Sampler: Vortkes

Well ID: MW-10 — Well Condition: OK

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

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:
- 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-	3x40ml/VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
MW-	1 Amber	"	NONE	"	TPH-D

COMMENTS: Well is DRY

9/97-fieldst.frm

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): ~~Ms. Tina R. Berry~~ DAVID DEWITT
(Phone): (~~916~~ 925) 277-~~2321~~ 2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number: W912147
Samples Collected by (Name): Vartkis Tashjian
Collection Date: 12/6/99
Signature: [signature]

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)	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)	8260 (5) oxy. comp.	1,2-DCA & EDB (8260)				Remarks
TB-LB	01A	1	W	G		HCl	Y	X													DO NOT BILL TB-LB ANALYSIS
MW-1	02A-D	4	~	~	11:40 A	~	~	X	X												
MW-2B	03	4	~	~	2:19 P	~	~	X	X												
MW-3	04	4	~	~	2:58 P	~	~	X	X												
MW-4	05	4	~	~	11:55 A	~	~	X	X												
MW-7	06	4	~	~	1:41 P	~	~	X	X												
MW-8	07	4	~	~	1:02 P	~	~	X	X												
MW-9	08A-H	8	~	~	12:23 P	~	~	X	X								X	X			

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G-R Inc.	12/6/99 3:45 P	Jean Weber	G-R Inc.	12/6/99 3:45
Jean Weber	G-R Inc.	12/7/99 0900	[signature]	Seq. An.	12/7/99 10:45
[signature]	Seq. An.	12/7/99 14:35	Received For Laboratory By (Signature): Ronald C. Jensen		12/7/99 14:35

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

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

23 December, 1999

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

RE: Tosco

Enclosed are the results of analyses for samples received by the laboratory on 07-Dec-99 14:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Alan B. Kemp
Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W912147-01	Water	06-Dec-99 00:00	07-Dec-99 14:35
MW-1	W912147-02	Water	06-Dec-99 11:40	07-Dec-99 14:35
MW-2B	W912147-03	Water	06-Dec-99 14:19	07-Dec-99 14:35
MW-3	W912147-04	Water	06-Dec-99 14:58	07-Dec-99 14:35
MW-4	W912147-05	Water	06-Dec-99 11:05	07-Dec-99 14:35
MW-7	W912147-06	Water	06-Dec-99 13:41	07-Dec-99 14:35
MW-8	W912147-07	Water	06-Dec-99 13:02	07-Dec-99 14:35
MW-9	W912147-08	Water	06-Dec-99 12:25	07-Dec-99 14:35

for

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

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 (W912147-01) Water Sampled: 06-Dec-99 00:00 Received: 07-Dec-99 14:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
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		*100 %*	*70-130*		"	"	"	"	
MW-1 (W912147-02) Water Sampled: 06-Dec-99 11:40 Received: 07-Dec-99 14:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**120**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	
MW-2B (W912147-03) Water Sampled: 06-Dec-99 14:19 Received: 07-Dec-99 14:35									
Purgeable Hydrocarbons	ND	500	ug/l	10	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	ND	5.0	"	"	"	"	"	8015M/8020	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**4400**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*	*70-130*		"	"	"	"	

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W912147-04) Water	**Sampled: 06-Dec-99 14:58**	**Received: 07-Dec-99 14:35**							**P-01**
Purgeable Hydrocarbons	**41000**	5000	ug/l	100	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	**3200**	50	"	"	"	"	"	8015M/8020	
Toluene	**3500**	50	"	"	"	"	"	"	
Ethylbenzene	**1300**	50	"	"	"	"	"	"	
Xylenes (total)	**8300**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*	*70-130*		"	"	"	"	
MW-4 (W912147-05) Water	**Sampled: 06-Dec-99 11:05**	**Received: 07-Dec-99 14:35**							
Purgeable Hydrocarbons	ND	50	ug/l	1	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
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		*103 %*	*70-130*		"	"	"	"	
MW-7 (W912147-06) Water	**Sampled: 06-Dec-99 13:41**	**Received: 07-Dec-99 14:35**							**P-02**
Purgeable Hydrocarbons	**1900**	1000	ug/l	20	9L10001	10-Dec-99	10-Dec-99	EPA	
Benzene	**350**	10	"	"	"	"	"	8015M/8020	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*117 %*	*70-130*		"	"	"	"	

for Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (W912147-07) Water Sampled: 06-Dec-99 13:02 Received: 07-Dec-99 14:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**150**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*	*70-130*		"	"	"	"	
MW-9 (W912147-08) Water Sampled: 06-Dec-99 12:25 Received: 07-Dec-99 14:35									
Purgeable Hydrocarbons	ND	50	ug/l	1	9L09001	09-Dec-99	09-Dec-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.0**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*70-130*		"	"	"	"	

for Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W912147-02) Water	**Sampled: 06-Dec-99 11:40**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	ND	50	ug/l	1	9L09004	09-Dec-99	16-Dec-99	EPA 8015M	
Surrogate: n-Pentacosane		*87.1 %*	*50-150*		"	"	"	"	
MW-2B (W912147-03) Water	**Sampled: 06-Dec-99 14:19**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	**850**	71	ug/l	1	9L09004	09-Dec-99	17-Dec-99	EPA 8015M	D-02
Surrogate: n-Pentacosane		*90.3 %*	*50-150*		"	"	"	"	
MW-3 (W912147-04) Water	**Sampled: 06-Dec-99 14:58**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	**4200**	50	ug/l	1	9L09004	09-Dec-99	17-Dec-99	EPA 8015M	D-14
Surrogate: n-Pentacosane		*84.1 %*	*50-150*		"	"	"	"	
MW-4 (W912147-05) Water	**Sampled: 06-Dec-99 11:05**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	**95**	63	ug/l	1	9L09004	09-Dec-99	17-Dec-99	EPA 8015M	D-06
Surrogate: n-Pentacosane		*81.7 %*	*50-150*		"	"	"	"	
MW-7 (W912147-06) Water	**Sampled: 06-Dec-99 13:41**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	**220**	50	ug/l	1	9L09004	09-Dec-99	17-Dec-99	EPA 8015M	D-14
Surrogate: n-Pentacosane		*63.1 %*	*50-150*		"	"	"	"	
MW-8 (W912147-07) Water	**Sampled: 06-Dec-99 13:02**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	**160**	100	ug/l	1	9L09004	09-Dec-99	17-Dec-99	EPA 8015M	D-12
Surrogate: n-Pentacosane		*79.6 %*	*50-150*		"	"	"	"	
MW-9 (W912147-08) Water	**Sampled: 06-Dec-99 12:25**	**Received: 07-Dec-99 14:35**							
Diesel Range Hydrocarbons	ND	63	ug/l	1	9L09004	09-Dec-99	17-Dec-99	EPA 8015M	
Surrogate: n-Pentacosane		*79.3 %*	*50-150*		"	"	"	"	

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (W912147-08) Water Sampled: 06-Dec-99 12:25 Received: 07-Dec-99 14:35									
tert-Butyl alcohol	ND	100	ug/l	1	9L13022	10-Dec-99	10-Dec-99	EPA 8260A	
Methyl tert-butyl ether	**2.7**	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*50-150*		"	"	"	"	

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

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 9L09001: Prepared 09-Dec-99 Using EPA 5030B [P/T]										
Blank (9L09001-BLK1)										
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	*33.1*		"	*30.0*		*110*	*70-130*			
LCS (9L09001-BS1)										
Benzene	19.2	0.50	ug/l	20.0		96.0	70-130			
Toluene	19.5	0.50	"	20.0		97.5	70-130			
Ethylbenzene	19.5	0.50	"	20.0		97.5	70-130			
Xylenes (total)	60.4	0.50	"	60.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.5*		"	*30.0*		*98.3*	*70-130*			
Matrix Spike (9L09001-MS1)					**Source: W912091-04**					
Benzene	18.7	0.50	ug/l	20.0	ND	93.5	70-130			
Toluene	19.0	0.50	"	20.0	ND	95.0	70-130			
Ethylbenzene	17.8	0.50	"	20.0	ND	89.0	70-130			
Xylenes (total)	60.0	0.50	"	60.0	ND	100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.7*		"	*30.0*		*95.7*	*70-130*			
Matrix Spike Dup (9L09001-MSD1)					**Source: W912091-04**					
Benzene	20.7	0.50	ug/l	20.0	ND	104	70-130	10.2	20	
Toluene	20.9	0.50	"	20.0	ND	104	70-130	9.52	20	
Ethylbenzene	18.5	0.50	"	20.0	ND	92.5	70-130	3.86	20	
Xylenes (total)	65.8	0.50	"	60.0	ND	110	70-130	9.22	20	
Surrogate: a,a,a-Trifluorotoluene	*31.6*		"	*30.0*		*105*	*70-130*			

for

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

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 9L10001: Prepared 10-Dec-99 Using EPA 5030B [P/T]										
Blank (9L10001-BLK1)										
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	*33.4*		"	*30.0*		*111*	*70-130*			
LCS (9L10001-BS1)										
Benzene	17.8	0.50	ug/l	20.0		89.0	70-130			
Toluene	17.9	0.50	"	20.0		89.5	70-130			
Ethylbenzene	18.1	0.50	"	20.0		90.5	70-130			
Xylenes (total)	56.1	0.50	"	60.0		93.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.5*		"	*30.0*		*102*	*70-130*			
Matrix Spike (9L10001-MS1)					**Source: W912201-06**					
Benzene	20.0	0.50	ug/l	20.0	ND	100	70-130			
Toluene	21.4	0.50	"	20.0	1.1	101	70-130			
Ethylbenzene	21.2	0.50	"	20.0	ND	106	70-130			
Xylenes (total)	64.6	0.50	"	60.0	2.0	104	70-130			
Surrogate: a,a,a-Trifluorotoluene	*31.2*		"	*30.0*		*104*	*70-130*			
Matrix Spike Dup (9L10001-MSD1)					**Source: W912201-06**					
Benzene	21.8	0.50	ug/l	20.0	ND	109	70-130	8.61	20	
Toluene	23.0	0.50	"	20.0	1.1	109	70-130	7.21	20	
Ethylbenzene	21.9	0.50	"	20.0	ND	109	70-130	3.25	20	
Xylenes (total)	68.4	0.50	"	60.0	2.0	111	70-130	5.71	20	
Surrogate: a,a,a-Trifluorotoluene	*32.8*		"	*30.0*		*109*	*70-130*			

for Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9L09004: Prepared 09-Dec-99 Using EPA 3510B										
Blank (9L09004-BLK1)										
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	*30.0*		"	*33.3*		*90.1*	*50-150*			
LCS (9L09004-BS1)										
Diesel Range Hydrocarbons	533	50	ug/l	500		107	60-140			
Surrogate: n-Pentacosane	*32.0*		"	*33.3*		*96.1*	*50-150*			
LCS Dup (9L09004-BSD1)										
Diesel Range Hydrocarbons	552	50	ug/l	500		110	60-140	3.50	50	
Surrogate: n-Pentacosane	*31.3*		"	*33.3*		*94.0*	*50-150*			

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

Volatile Organic Compounds by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9L13022: Prepared 10-Dec-99 Using EPA 5030B [P/T]										
Blank (9L13022-BLK1)										
tert-Butyl alcohol	ND	100	ug/l							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*30.0*		"	*25.0*		*120*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*31.0*		"	*25.0*		*124*	*50-150*			
LCS (9L13022-BS1)										
Methyl tert-butyl ether	25.5	2.0	ug/l	25.0		102	70-130			
Surrogate: Dibromofluoromethane	*28.0*		"	*25.0*		*112*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*27.0*		"	*25.0*		*108*	*50-150*			
Matrix Spike (9L13022-MS1)					**Source: W912027-03**					
Methyl tert-butyl ether	25.7	2.0	ug/l	25.0	ND	103	60-150			
Surrogate: Dibromofluoromethane	*25.0*		"	*25.0*		*100*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*22.0*		"	*25.0*		*88.0*	*50-150*			
Matrix Spike Dup (9L13022-MSD1)					**Source: W912027-03**					
Methyl tert-butyl ether	30.1	2.0	ug/l	25.0	ND	120	60-150	15.8	25	
Surrogate: Dibromofluoromethane	*25.0*		"	*25.0*		*100*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*23.0*		"	*25.0*		*92.0*	*50-150*			

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Gettler Ryan, Inc. - Dublin	Project: Tosco	
6747 Sierra Court Suite J	Project Number: Tosco # 7376	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Dec-99 10:52

Notes and Definitions

D-02	Chromatogram Pattern: Unidentified Hydrocarbons C9-C40.
D-06	Discrete peaks.
D-12	Chromatogram Pattern: Unidentified Hydrocarbons > C16
D-14	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
P-01	Chromatogram Pattern: Gasoline C6-C12
P-02	Chromatogram Pattern: Gasoline C6-C12 + Unidentified Hydrocarbons <C6
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

Alan B. Kemp, Laboratory Director