GETTLER-RYAN INC.

TRANSMITTAL

March 9, 1999
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.
Novato, California

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

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

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	February 26, 1999	Groundwater Monitoring and Sampling Report Fourth Quarter 1998 - December Event

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 ***March 22, 1999***, this report will be distributed to the following:

Enclosure

cc: Mr. Scott Seery
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502

agency/7376dbd.qmt

GETTLER-RYAN INC.

February 26, 1999
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 1998 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 15, 1998, field personnel monitored seven wells (MW-1, MW-2B, MW-3, MW-4, MW-5, MW-7, and MW-8) and sampled six wells (MW-1, MW-2B, MW-3, MW-4, MW-7, and MW-8) at the above referenced site. One well (MW-6) was not located. On December 23, 1998, field personnel monitored eight wells (MW-1, MW-2B and MW-3 through MW-8) and sampled one well (MW-6). In addition on January 23, 1999, field personnel returned to the site to monitor and sample one well (MW-6) for additional analysis.

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) during both visits.** 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 Table 1, and a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

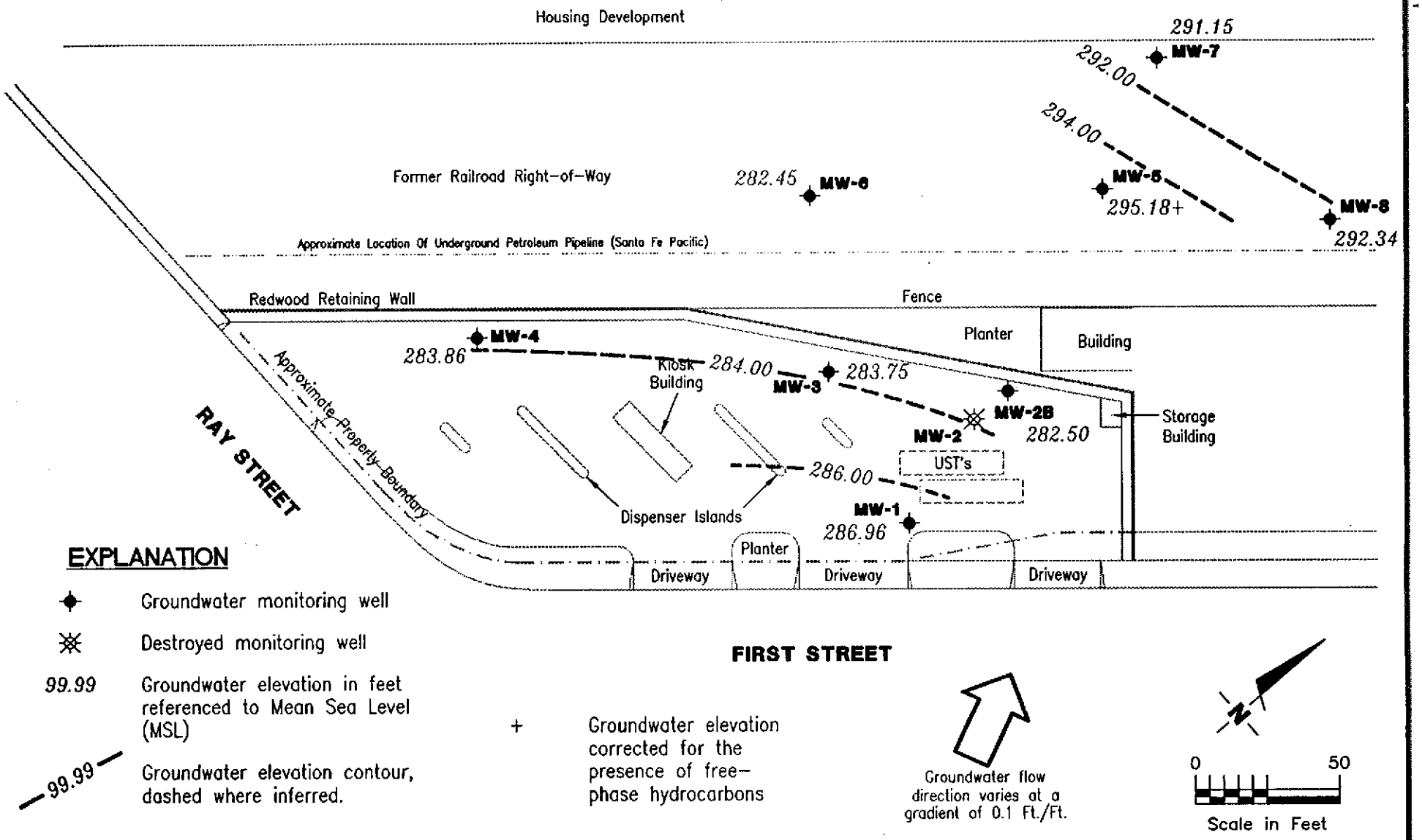
Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

Figure 1: Potentiometric Map - December 23, 1998
Figure 2: Concentration Map - December 15, 1998
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Product Thickness/Removal Data
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

7376.qml



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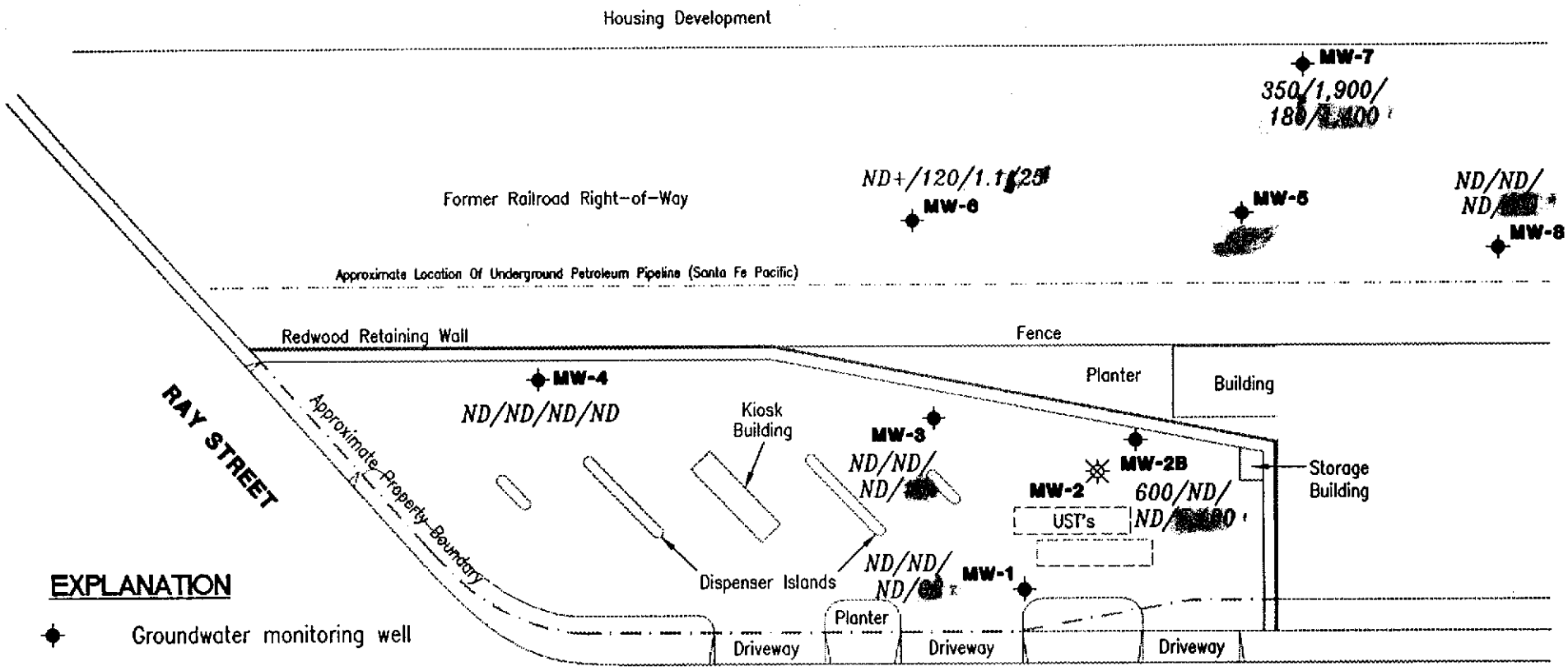
Dublin, CA 94568

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

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180075		December 23, 1998	



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Dublin, CA 94568

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

FIGURE
2

JOB NUMBER
180075

REVIEWED BY

DATE
December 15, 1998

REVISED DATE

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	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**	--	--	--	--	--	--	--
MW-2	12/08/87				620[2]	1,800[3]	910	800	260	1,200	--
	12/07/94	DAMAGED	--	--	--	--	--	--	--	--	--
	02/07/95	DESTROYED	--	--	--	--	--	--	--	--	--
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

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	12/21/96	77.35	287.70	0.00	470	330[8]	57	ND	ND	ND	2,900
(cont)	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**	--	--	--	--	--	--	--
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
	06/15/96	75.13	291.88	0.00	400[4]	780	190	8.8	3.8	4.0	630
	09/18/96	82.84	284.17	0.00	170	2,800	340	12	11	110	2,500
	12/21/96	79.29	287.72	0.00	64[4]	51	1.3	ND	ND	0.53	20
	03/07/97	71.58	295.43	0.00	570[4]	1,400	53	14	29	68	220
	06/27/97	83.27	283.74	0.00	ND	ND	ND	ND	ND	ND	27
	09/29/97	83.33	283.68	0.00	ND	ND	ND	ND	ND	ND	11
	12/15/97	83.35	283.66	0.00	ND	ND	ND	ND	ND	ND	19
	03/16/98	71.07	295.94	0.00	670[10]	130[12]	6.5	1.9	1.5	1.6	210
367.03	06/26/98	79.65	287.38	0.00	63[13]	400[15]	15	ND[11]	ND[11]	1.9	490
	08/18/98	83.29	283.74	0.00	--	--	--	--	--	--	--
	09/22/98	83.33	283.70	0.00	95[20]	ND	ND	ND	ND	ND	24
	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**	--	--	--	--	--	--	--

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											
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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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	298.53**	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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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

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	09/29/97	86.02	277.10	0.00	ND	62[9]	ND	ND	ND	ND	43
(cont)	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**	**--**	**--**	**--**	**--**	**--**	**--**
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**	--	--	--	--	--	--	--
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**
	12/23/98	**70.03**	**292.34**	**0.00**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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**

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).

** 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 results.
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.
23 Laboratory report indicates unidentified hydrocarbons C6-C9.

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**	--

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

Amount Bailed history will be updated in future reports.

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, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

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

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

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

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

TOSCO (UNOCAL) SS#7376
PLEASANTON, CA

MONITORING & SAMPLING
EVENT OF DECEMBER 15, 1998

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 7376 Job#: 180075
Address: 4491 First st. Date: 12/15/98
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: 80.02 ft.

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

6.41 X VF 0.17 = 1.09 X 3 (case volume) = Estimated Purge Volume: 3.27 (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: clear
Sampling Time: 12:05 Water Color: brown Odor: no
Purging Flow Rate: 0.5 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)
11:47	1	7.53	5.54	69.0			
11:49	2	7.38	5.43	69.5			
11:50	3.5	7.79	5.40	69.8			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 7376 Job#: 180075
Address: 4191 First st. Date: 12/15/98
City: Pleasanton Sampler: Vartkes

Well ID MW-2B Well Condition: OL

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

Total Depth 85.25 ft.

Depth to Water 82.84 ft.

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

2.41 X VF 0.17 = 0.41 X 3 (case volume) = Estimated Purge Volume: 1.23 (gal.)

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

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

Starting Time: 12:20 Weather Conditions: clear
Sampling Time: 12:40 Water Color: clear Odor: no
Purging Flow Rate: gpm. Sediment Description: none
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)
12:24	0.5	7.21	7.13	68.3			
12:27	1	7.03	6.98	68.7			
12:32	1.5	6.98	6.93	68.9			

LABORATORY INFORMATION

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

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 7376 Job#: 180075
Address: 4191 First st. Date: 12/15/98
City: Pleasanton Sampler: Vartkes

Well ID: MW-3 Well Condition: OK

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

Total Depth: 94.11 ft.

Depth to Water: 83.29 ft.

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

10.82 X VF 0.17 = 1.84 X 3 (case volume) = Estimated Purge Volume: 5.52 (gal.)

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

Starting Time: 10:14 Weather Conditions: Clear
Sampling Time: 10:39 Water Color: Clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: none
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)
10:16	2	7.49	5.64	69.7			
10:18	4	7.33	5.53	69.1			
10:20	6	7.28	5.48	68.9			

LABORATORY INFORMATION

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

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility #7376 Job#: 180075
Address: 4491 First st. Date: 12/15/98
City: Pleasanton Sampler: Vartkes

Well ID MW-4 Well Condition: ok
Well Diameter 2 in. Hydrocarbon Thickness: ϕ (feet) Amount Bailed (product/water): ϕ (Gallons)
Total Depth 93.01 ft.
Depth to Water 85.41 ft.

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

7.60 X VF 0.A = 1.29 X 3 (case volume) = Estimated Purge Volume: 3.88 (gal.)

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

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

Starting Time: 9:33 Weather Conditions: clear
Sampling Time: 9:56 Water Color: clear Odor: no
Purging Flow Rate: 1 gpm. Sediment Description: none
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)
9:34	1	7.39	4.74	67.5			
9:36	2.5	7.21	4.59	68.1			
9:38	4	7.17	4.62	68.3			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING

FIELD DATA SHEET

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

Address: 4491 First st. — Date: 12/15/98

City: Pleasanton — Sampler: Vartkes

Well ID: MW-5 — Well Condition: ok

Well Diameter: 2 in. — Hydrocarbon Thickness: 0.17 (feet) — Amount Bailed (product/water): _____ (Gallons)

Total Depth: 72.52 ft.

Depth to Water: 68.84 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 X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

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

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

Sticky (Dark brown)

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WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility# Tosco 7376

Job#: 180075

Address: 4191 First st.

Date: 12/15/98

City: Pleasanton

Sampler: Vartke

Well ID: MW-6

Well Condition: *Covered with gravel.

Well Diameter: ______ in.

Hydrocarbon Thickness: ______ (feet)

Amount Bailed (product/water): ______ (Gallons)

Total Depth: ______ ft.

Depth to Water: ______ 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: ______

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 X/100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	~~3 VOA~~	~~Y~~	~~HCl~~	~~SEQUOIA~~	~~TPH(G)/btex/mtbe~~

COMMENTS: *Unable to locate

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Tosco
Facility # 7376 Job#: 180075
Address: 4191 First St. Date: 12/15/98
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 65.03 ft.

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

11.87 X VF 0.17 = 2.02 X 3 (case volume) = Estimated Purge Volume: 6.05 (gal.)

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

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

Starting Time: 12:55 Weather Conditions: clear
Sampling Time: 1:20 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 X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:01	2	7.19	5.44	69.0			
1:07	4	7.02	5.39	69.5			
1:15	6.5	6.91	5.37	69.8			

LABORATORY INFORMATION

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

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

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

Address: 4191 First St. — Date: 12/15/98

City: Pleasanton — Sampler: Walther

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: 70.29 ft.

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

16.11 X VF 0.17 = 2.74 X 3 (case volume) = Estimated Purge Volume: 8.22 (gal.)

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

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

Starting Time: 10:55 — Weather Conditions: clear

Sampling Time: 11:23 — Water Color: brown — Odor: no

Purging Flow Rate: 1 gpm. — Sediment Description: s/lt.

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)
10:58	3	7.53	5.73	68.1			
11:01	6	7.35	5.88	68.5			
11:04	8.5	7.30	5.81	68.7			

LABORATORY INFORMATION

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

COMMENTS: _____

TOSCO

Tosco Marketing Company
3500 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
(Phone) (510) 277-2321
Laboratory Name Sequoia Analytical 9812382
Laboratory Release Number
Samples Collected by (Name) Vartkes Tashjian
Collection Date 12/15/98
Signature Vartkes Tashjian

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)					Remarks
								Analyses To Be Performed												DO NOT BILL TB-LB ANALYSIS
TB-LB		1	W	G		HCl	Y	X										8121384		
MW-1		4	"	"	11:45 AM	4	"	X	X									8121385	A-D	
MW-2B		4	"	"	12:40 PM	4	4	X	X									8121386		
MW-3		4	"	"	10:39 AM	"	4	X	X									8121387		
MW-4		4	"	"	9:50 AM	4	4	X	X									8121388		
MW-7		4	"	"	1:20 PM	4	"	X	X									8121389		
MW-8		4	"	"	11:23 AM	"	"	X	X									8121390	✓	

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Vartkes Tashjian	G-R Inc.	12/15/98 2:35 PM		CAC	12-16 15:45
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	CAC	12-16 9:00			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					12/16/98 1430

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

12/16/98 1900

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco (Unocal) SS#7376, Pleasanto	Sampled:	Dec 15, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received:	Dec 16, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Jan 4, 1999
Attention: Deanna Harding	First Sample #:	812-1384		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 812-1384 TB-LB	Sample I.D. 812-1385 MW-1	Sample I.D. 812-1386 MW-2B	Sample I.D. 812-1387 MW-3	Sample I.D. 812-1388 MW-4	Sample I.D. 812-1389 MW-7
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.	1,900
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	180
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	2.7
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	2.9
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	3.8
MTBE	2.5	N.D.	63	5,100	18	N.D.	1,400
Chromatogram Pattern:		--	--	--	--	--	Unidentified Hydrocarbons C6 - C12

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	5.0
Date Analyzed:	12/21/98	12/21/98	12/22/98	12/21/98	12/21/98	12/21/98
Instrument Identification:	HP-9	HP-9	HP-9	HP-9	HP-9	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	97	97	97	98	97	125

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Tosco (Unocal) SS#7376, Pleasanto	Sampled: Dec 15, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received: Dec 16, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Jan 4, 1999
Attention: Deanna Harding	First Sample #:	812-1390	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 812-1390 MW-8
Purgeable Hydrocarbons	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Total Xylenes	0.50	N.D.
MTBE	2.5	3.0
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	12/21/98
Instrument Identification:	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	100

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco (Unocal) SS#7376, Pleasanto	Sampled:	Dec 15, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received:	Dec 16, 1998
Dublin, CA 94568	Analysis Method:	EPA 3510/8015 Mod.	Reported:	Jan 4, 1999
Attention: Deanna Harding	First Sample #:	812-1385		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 812-1385 MW-1	Sample I.D. 812-1386 MW-2B	Sample I.D. 812-1387 MW-3	Sample I.D. 812-1388 MW-4	Sample I.D. 812-1389 MW-7	Sample I.D. 812-1390 MW-8
Extractable Hydrocarbons	50	N.D.	600	N.D.	N.D.	350	N.D.
Chromatogram Pattern:		--	Diesel	--	--	Diesel & Unidentified Hydrocarbons <C12	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Extracted:	12/21/98	12/21/98	12/21/98	12/21/98	12/21/98	12/21/98
Date Analyzed:	12/22/98	12/22/98	12/22/98	12/22/98	12/22/98	12/22/98
Instrument Identification:	HP-3A	HP-3A	HP-3A	HP-3A	HP-3A	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

8121384.GET <3>

Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Tosco (Unocal) SS#7376, Pleasanton
Matrix: Liquid
QC Sample Group: 8121384-390

Reported: Jan 4, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015 M.
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	K. Grubb
MS/MSD Batch#:	8121388	8121388	8121388	8121388	BLK122198
Date Prepared:	12/21/98	12/21/98	12/21/98	12/21/98	12/21/98
Date Analyzed:	12/21/98	12/21/98	12/21/98	12/21/98	12/22/98
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	HP-3A
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	500 µg/L
Matrix Spike % Recovery:	105	115	120	122	74
Matrix Spike Duplicate % Recovery:	100	110	115	118	54
Relative % Difference:	4.9	4.4	4.3	2.8	31
LCS Batch#:	9LCS122198	9LCS122198	9LCS122198	9LCS122198	-
Date Prepared:	12/21/98	12/21/98	12/21/98	12/21/98	-
Date Analyzed:	12/21/98	12/21/98	12/21/98	12/21/98	-
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	-
LCS % Recovery:	95	105	110	115	-
% Recovery Control Limits:	70-130	70-130	70-130	70-130	60-140

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Tosco (Unocal) SS#7376, Pleasanton
Matrix: Liquid
QC Sample Group: 8121384-390

Reported: Jan 4, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	8121403	8121403	8121403	8121403
Date Prepared:	12/22/98	12/22/98	12/22/98	12/22/98
Date Analyzed:	12/22/98	12/22/98	12/22/98	12/22/98
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	115	115	115	122
Matrix Spike Duplicate % Recovery:	110	115	115	118
Relative % Difference:	4.4	0.0	0.0	2.8
LCS Batch#:	9LCS122298	9LCS122298	9LCS122298	9LCS122298
Date Prepared:	12/22/98	12/22/98	12/22/98	12/22/98
Date Analyzed:	12/22/98	12/22/98	12/22/98	12/22/98
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	105	110	110	117
% Recovery Control Limits:	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

TOSCO (UNOCAL) SS#7376
PLEASANTON, CA

MONITORING & SAMPLING
EVENT OF DECEMBER 23, 1998

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-1 Well Condition: okay

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

Total Depth 86.43 ft

Depth to Water 80.02 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	VOA	Y	HCL	SEQUOIA	

COMMENTS: MONITOR ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-2B Well Condition: okay

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

Total Depth 85.25 ft.

Depth to Water 82.55 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 ~~C~~ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW	VOA	Y	HCl	SEQUOIA	

COMMENTS: MONITOR ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-3 Well Condition: Okay

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

Total Depth 94.11 ft.

Depth to Water 83.28 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-	VOA	Y	HCl	SEQUOIA	

COMMENTS: MONITOR ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-4 Well Condition: okay

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

Total Depth 93.01 ft

Depth to Water 84.95 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-	VOA	Y	HCL	SEQUOIA	

COMMENTS: MONITOR ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-5 Well Condition: Okay

Well Diameter 2" in Hydrocarbon Thickness: 0.50 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 72.52 ft.

Depth to Water 68.42 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-	VOA	Y	HCL	SEQUOIA	

COMMENTS: MONITOR ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco # 7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-6 Well Condition: * Okay

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

Total Depth 86.85 ft.

Depth to Water 80.90 ft.

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

6.05 X VF 0.17 = 1.0 X 3 (case volume) = Estimated Purge Volume: 3.1 (gal.)

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

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

Starting Time: 11:45 Weather Conditions: clear warming

Sampling Time: 12:00 Water Color: ____ Odor: None

Purging Flow Rate: NA 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)
11 50	1	6.42	1236	18.1			
11 55	2	6.48	1232	19.2			
12 00	3	6.45	1234	19.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x VOA	Y	HCL	SEQUOIA	TPHG/Btex/MTBE

COMMENTS: * well located under gravel - found with metal Detector

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-7 Well Condition: Okay

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

Total Depth 76.90 ft.

Depth to Water 64.82 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-	VOA	Y	HCl	SEQUOIA	

COMMENTS: MONITOR ONLY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #7375 Job#: 180075

Address: 4191 First Street Date: 12-23-98

City: Pleasanton, CA Sampler: Frank Cline

Well ID MW-8 Well Condition: okay

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

Total Depth 86.40 ft.

Depth to Water 70.03 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 °C F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	VOA	Y	HCL	SEQUOIA	

COMMENTS: MONITOR ONLY

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
(Phone): (510) 277-2321
Laboratory Name: Sequoia Analytical
Laboratory Release Number: 9812534
Samples Collected by (Name): T. Clive
Collection Date: 12-23-98
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS Remarks
TB-LB		1	W	GB	—	HCl	Y	X												8122023
MW-6		3	W	G	1200	HCl	Y	X												8122024

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	12-23-98/1300		G-R Inc.	12-23-98
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R INC.	12-23-98		WC Seq	12/23/98 1530
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
		12/23/98 1600			12/23 1600

Turn Around Time (Circle Choice)

24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

RECEIVED

Gettler-Ryan - Dublin	Client Project ID:	Tosco (Unocal)SS#7376, Pleasanton	Sampled:	Dec 23, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received:	Dec 23, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Jan 12, 1999
Attention: Deanna Harding	First Sample #:	812-2023		

GETTLER-RYAN INC

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 812-2023 TB-LB	Sample I.D. 812-2024 MW-6
Purgeable Hydrocarbons	50	N.D.	120
Benzene	0.50	N.D.	1.1
Toluene	0.50	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.
Total Xylenes	0.50	N.D.	0.78
MTBE	2.5	N.D.	25
Chromatogram Pattern:		--	Unidentified Hydrocarbons C6 - C9

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Analyzed:	1/1/99	1/1/99
Instrument Identification:	HP-9	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	97	104

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

8122023.GET <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Tosco (Unocal)SS#7376, Pleasanton
Matrix: Liquid
QC Sample Group: 8122023-024

Reported: Jan 12, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	8122026	8122026	8122026	8122026
Date Prepared:	1/1/99	1/1/99	1/1/99	1/1/99
Date Analyzed:	1/1/99	1/1/99	1/1/99	1/1/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	111	107	112	117
Matrix Spike Duplicate % Recovery:	111	102	112	118
Relative % Difference:	0.0	4.8	0.0	1.4
LCS Batch#:	9LCS010199	9LCS010199	9LCS010199	9LCS010199
Date Prepared:	1/1/99	1/1/99	1/1/99	1/1/99
Date Analyzed:	1/1/99	1/1/99	1/1/99	1/1/99
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	110	115	115	122
% Recovery Control Limits:	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

TOSCO (UNOCAL) SS#7376
PLEASANTON, CA

MONITORING & SAMPLING
EVENT OF JANUARY 23, 1999

WELL MONITORING/SAMPLING
FIELD DATA SHEET

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

Address: 4191 First Street Date: 1-23-99

City: Pleasanton CA Sampler: FM

Well ID: MW-6 Well Condition: okay

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

Total Depth: 86.85 ~~87.46~~ ft.

Depth to Water: 80.68 ft.

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

~~6.77~~ 6.17 X VF 0.17 = 1.05 X 3 (case volume) = Estimated Purge Volume: 3.15 (gal.)

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

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

Starting Time: 1703 Weather Conditions: clear cooling

Sampling Time: 1713 Water Color: clear Odor: None

Purging Flow Rate: NA gpm. Sediment Description: None

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)
1705	1	6.58	1270	19.2			
1710	2	6.40	1285	19.3			
1713	3	6.42	1280	19.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
~~MW-~~	~~VOA~~	Y	~~HCl~~	SEQUOIA	
MW-6	2x liter	Y	None	SEQ	TPH Diesel

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: 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): (~~510~~ 925) 277-~~2321~~ 2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number: 9901420
Samples Collected by (Name): Frank Clre
Collection Date: 1-23-99
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)						Remarks
~~TB-LB~~																					*5 DAY TAT
MW-6		2	W	G	1715	None	Y		X							9011545 AB					

Analyses To Be Performed

DO NOT BILL TB-LB ANALYSIS
NO T.B incl.

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G-R Inc.	1-25-99/0800	Jolen Weber	G-R INC.	0800 1-25-99
Jolen Weber	G-R INC.	0800 1-25-99	[signature]	W.C. Seq	1040 1/25/99
[signature]		1/25/99 1200	Received For Laboratory By (Signature): [signature]		1/25 1200

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco (Unocal) SS#7376, Pleasanto	Sampled:	Jan 23, 1999
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received:	Jan 25, 1999
Dublin, CA 94568	Analysis Method:	EPA 3510/8015 Mod.	Reported:	Feb 3, 1999
Attention: Deanna Harding	First Sample #:	901-1545		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 901-1545 MW-6
Extractable Hydrocarbons	50	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	1/28/99
Date Analyzed:	1/28/99
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Attention: Deanna Harding

Client Project ID: Tosco (Unocal) SS#7376, Pleasanton
Matrix: Liquid

QC Sample Group: 901-1545

Reported: Feb 3, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel
Method:	EPA 8015M.
Analyst:	K. Grubb
MS/MSD Batch#:	BLK012899
Date Prepared:	1/28/99
Date Analyzed:	1/28/99
Instrument I.D.#:	HP-3A
Conc. Spiked:	500 µg/L
Matrix Spike % Recovery:	94
Matrix Spike Duplicate % Recovery:	100
Relative % Difference:	6.2
LCS Batch#:	LCS012899
Date Prepared:	1/28/99
Date Analyzed:	1/28/99
Instrument I.D.#:	HP-3A
LCS % Recovery:	88
% Recovery Control Limits:	60-140

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.