GETTLER-RYAN INC.

TRANSMITTAL

March 13, 2000
G-R #:180065

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

CC: Mr. Doug Lee
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

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

RE: Tosco (Unocal) SS#5043
449 Hegenberger Road
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	March 1, 2000	Groundwater Monitoring and Sampling Report First Quarter 2000 - Event of January 20, 2000

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***March 24, 2000***, this report will be distributed to the following:

Enclosure

cc: **Mr. Barney M. Chan, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Suite 250, Alameda,** California 94502
Mr. Frank deFurio, Shuwa Investment Group, 515 S. Flower Street, Suite 1270, Los Angeles, CA 90071

agency/5043dbd.qmt

GETTLER-RYAN INC.

March 1, 2000
G-R Job #180065

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

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

Dear Mr. De Witt:

This report documents the monthly site visits and the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On November 29, and December 20, 1999 , field personnel monitored one well (MW-6). On January 20, 2000, field personnel monitored and sampled six wells (MW-3, MW-6, MW-7, MW-8, MW-9, and MW-10) at the above referenced site.

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-6). 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.

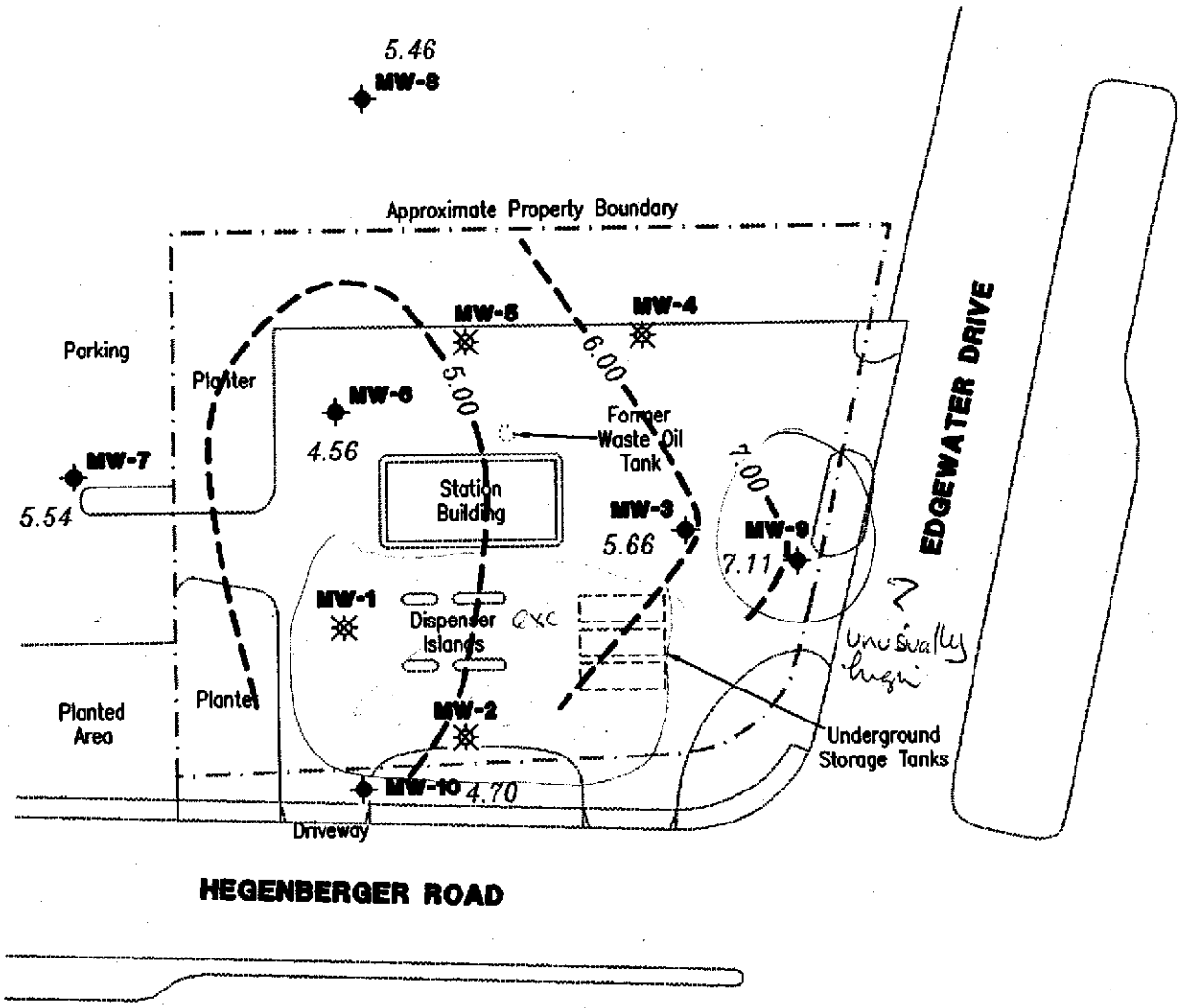
Sincerely,

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
Figure 2: Concentration Map
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



EXPLANATION

- Groundwater monitoring well
- Destroyed well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.

Approximate groundwater flow direction at a gradient of 0.01 to 0.03 Ft./Ft.

0 60

Scale in Feet

Source: Figure Modified From Drawing Provided By MPDS Services, Inc.

Gettler - Ryan Inc.

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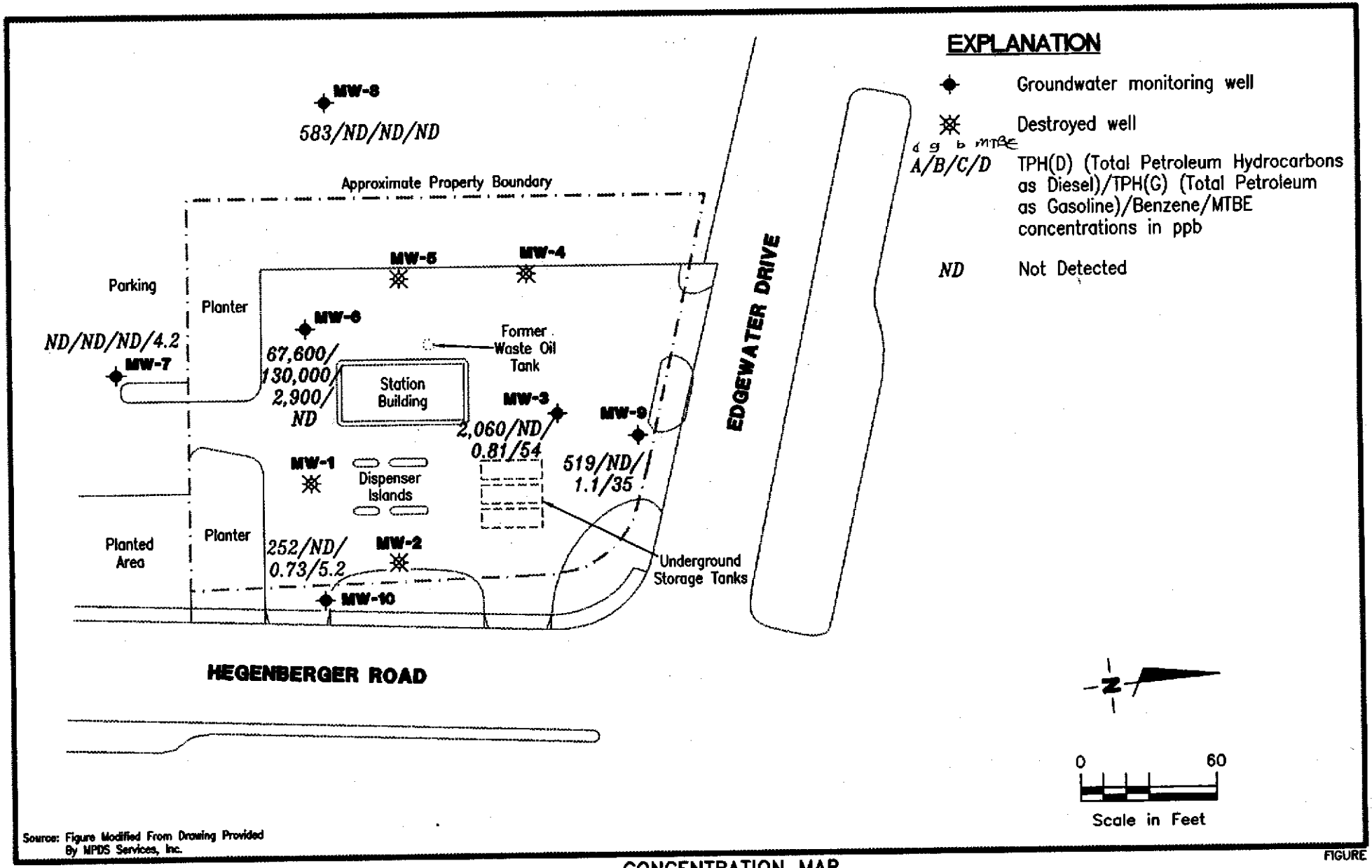
POTENTIOMETRIC MAP
Tosco (Unocal) Service Station No. 5043
449 Hegenberger Road
Oakland, California

FIGURE 1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		January 20, 2000	



Source: Figure Modified From Drawing Provided By MPDS Services, Inc.

Gettler - Ryan Inc.

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Dublin, CA 94568

CONCENTRATION MAP
Tosco (Unocal) Service Station No. 5043
449 Hegenberger Road
Oakland, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
180065		January 20, 2000	

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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	02/18/92	--	--	--	13,000	150,000	17,000	26,000	5,200	26,000	--
	05/20/92	--	--	--	--	--	--	--	--	--	--
	08/31/92	--	--	--	8,900[1]	64,000	13,000	12,000	2,500	22,000	--
	11/30/92	--	--	--	--	--	--	--	--	--	--
	02/04/93	--	--	--	--	--	--	--	--	--	--
8.96◆	05/04/93	2.13	5.73**	0.10	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/04/93	2.92	4.88**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
7.38	11/03/93	3.04	4.74	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/07/94	2.55	4.85**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/19/94	2.23	5.16**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	06/25/94	2.49	4.90**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/27/94	3.10	4.28	0.00	--	--	--	--	--	--	--
	08/15/94	2.85	4.61**	0.11	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/14/94	2.97	4.50**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/21/95	1.53	5.87**	0.02	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/18/95	DESTROYED (3/95)	--	--	--	--	--	--	--	--	--
MW-2	02/18/92	--	--	--	4,300	29,000	1,000	5,300	260	7,900	--
	05/20/92	--	--	--	4,300[1]	24,000	2,200	7,600	630	11,000	--
	08/31/92	--	--	--	1,600[1]	9,000	1,800	640	140	2,000	--
	11/30/92	--	--	--	5,700[1]	29,000	2,000	3,400	1,200	6,900	--
	02/04/93	--	--	--	6,100[1]	18,000	1,600	3,000	ND	6,900	--
8.96◆	05/04/93	2.48	6.48	0.00	7,100[1]	63,000	3,200	17,000	470	17,000	--
	08/04/93	3.20	5.76	0.00	1,800[2]	45,000	2,100	6,600	1,400	12,000	--
8.58	11/03/93	3.37	5.21	0.00	2,600[2]	72,000	3,700	16,000	3,700	20,000	--
	02/07/94	2.40	6.18	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/19/94	2.13	6.45	0.00	3,000[2]	42,000	2,500	1,300	2,300	13,000	--
	06/25/94	2.65	5.93	0.00	--	--	--	--	--	--	--
	07/27/94	3.44	5.14	0.00	--	--	--	--	--	--	--
	08/15/94	3.25	5.33	0.00	2,800[2]	35,000	2,400	850	1,700	15,000	--
	11/14/94	2.13	6.45	0.00	10,000[1]	43,000	2,200	6,500	1,800	14,000	--
	02/21/95	1.65	6.93	0.00	2,000[2]	44,000	2,200	3,200	1,300	1,500	--
	05/18/95	DESTROYED (3/95)	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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	02/18/92	--	--	--	ND	230	4.8	22	1.8	33	--
	05/20/92	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	08/31/92	--	--	--	92[2]	210[4]	1	ND	ND	ND	--
	11/30/92	--	--	--	94	790[4]	ND	ND	ND	ND	--
	02/04/93	--	--	--	550[2]	3,300	320	ND	96	6.1	--
7.84♦	05/04/93	4.32	3.52	0.00	250[2]	1,800[3]	95	ND	ND	ND	--
	08/04/93	4.94	2.90	0.00	100	210[4]	ND	ND	ND	ND	--
7.42	11/03/93	4.53	2.89	0.00	160	640[4]	ND	ND	ND	ND	--
	02/07/94	2.40	5.02	0.00	620[2]	2,700	110	ND	17	ND	--
	05/19/94	3.60	3.82	0.00	480[2]	1,800	83	ND	6.2	9.1	--
	06/25/94	4.58	2.84	0.00	--	--	--	--	--	--	--
	07/27/94	4.58	2.84	0.00	--	--	--	--	--	--	--
	08/15/94	4.65	2.77	0.00	110[2]	130	1.1	0.54	ND	0.97	--
	11/14/94	3.18	4.24	0.00	150[2]	1,600[4]	ND	ND	ND	ND	--
	02/21/95	1.81	5.61	0.00	850[2]	3,800	350	ND	130	22	--
	05/18/95	4.56	2.86	0.00	150[1]	1,300[3]	42	ND	ND	ND	--
	08/17/95	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	07/26/96	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	10/28/96[6]	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	01/29/97	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	04/15/97	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	05/27/97	3.45	4.59	0.00	--	670	6.5	ND	ND	ND	250
	06/01/97	3.50	4.54	0.00	610[2]	--	--	--	--	--	--
	07/15/97	3.71	4.33	0.00	240[2]	240	ND	ND	ND	ND	490
8.04	10/09/97	3.70	4.34	0.00	500[2]	270	1.1	ND	2.4	1.4	910
	01/14/98	2.16	5.88	0.00	340[7]	310	ND	ND	0.62	0.65	140
	04/01/98	2.20	5.84	0.00	320[7]	370	5.7	ND[9]	ND[9]	ND[9]	93
	07/15/98	3.38	4.66	0.00	510[10]	460[11]	ND[9]	ND[9]	ND[9]	ND[9]	230
	10/16/98	2.30	5.74	0.00	67[13]	330[14]	4.7	ND[9]	ND[9]	ND[9]	60
	01/25/99	2.42	5.62	0.00	120[7]	420[14]	1.5	ND[9]	ND[9]	ND[9]	180
	04/15/99	2.16	5.88	0.00	170[17]	290	0.54	ND	ND	ND	160
	07/14/99	2.35	5.69	0.00	420[19]	290	3.2	ND	ND	ND	160
	10/21/99	2.49	5.55	0.00	350[7]	360[23]	0.77	ND	ND	ND	82
	01/20/00	**2.38**	**5.66**	**0.00**	**2,060[1]**	**ND**	**0.81**	**ND**	**ND**	**ND**	**54**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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	08/31/92	--	--	--	90[2]	240[4]	ND	ND	ND	0.54	--
	11/30/92	--	--	--	61	420[4]	ND	ND	ND	ND	--
	02/04/93	--	--	--	ND	ND	ND	ND	ND	ND	--
9.00•	05/04/93	4.09	4.91	0.00	ND	110[3]	0.95	ND	ND	ND	--
	08/04/93	5.01	3.99	0.00	81	250[4]	ND	3.5	ND	4.1	--
8.41	11/03/93	4.23	4.18	0.00	68	130[4]	ND	ND	ND	ND	--
	02/07/94	3.35	5.06	0.00	ND	56[4]	ND	ND	ND	ND	--
	05/19/94	3.92	4.49	0.00	90[2]	140[4]	ND	ND	ND	ND	--
	06/25/94	4.35	4.06	0.00	--	--	--	--	--	--	--
	07/27/94	4.28	4.13	0.00	--	--	--	--	--	--	--
	08/15/94	4.27	4.14	0.00	72[2]	59[4]	ND	0.6	ND	ND	--
	11/14/94	4.05	4.36	0.00	ND	130[4]	ND	ND	ND	ND	--
	02/21/95	DESTROYED (1/95)	--	--	--	--	--	--	--	--	--
MW-5	08/31/92	--	--	--	690[1]	78	0.89	ND	ND	13	--
	11/30/92[5]	--	--	--	470[2]	930	70	290	0.79	14	--
	02/04/93[5]	--	--	--	5,500[2]	5,700	38	ND	620	170	--
	05/04/93[5]	4.37	4.90	0.00	4,600[1]	7,400	41	ND	1,000	35	--
	08/04/93[5]	5.81	3.46	0.00	970[2]	1,500	130	1	460	11	--
8.95	11/03/93	5.68	3.27	0.00	2,100[2]	13,000	350	ND	3,500	530	--
	02/07/94	5.11	3.84	0.00	830[2]	2,000	87	ND	370	110	--
	05/19/94	5.09	3.86	0.00	600[2]	260	44	ND	32	4.1	--
	06/25/94	4.55	4.40	0.00	--	--	--	--	--	--	--
	07/27/94	5.72	3.23	0.00	--	--	--	--	--	--	--
	08/15/94	5.68	3.27	0.00	860[2]	1,600	110	ND	340	72	--
	11/14/94	5.63	3.32	0.00	290[1]	250	40	ND	ND	5	--
	02/21/95	DESTROYED (1/95)	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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	08/31/92	--	--	--	750[2]	ND	ND	ND	ND	ND	--
	11/30/92	--	--	--	1,400[1]	9,200	550	ND	740	1,600	--
	02/04/93	--	--	--	890[2]	3,600	340	ND	290	550	--
9.12◆	05/04/93	3.72	5.40	0.00	1,800[1]	4,900	360	18	450	430	--
	08/04/93	5.15	3.97	0.00	1,100[2]	3,400	390	ND	440	190	--
8.87	11/03/93	5.25	3.62	0.00	390[2]	1,400	320	ND	200	7.7	--
	02/07/94	4.55	4.32	0.00	970[2]	4,900	650	ND	250	35	--
	05/19/94	4.62	4.25	0.00	1,400[2]	3,600	300	1.7	210	41	--
	08/15/94	5.08	3.79	0.00	790[2]	1,300	130	6.7	54	57	--
	11/14/94	5.30	3.57	0.00	800[2]	730	50	ND	ND	39	--
	02/21/95	5.37	3.50	0.00	730[2]	2,000	250	4.6	25	30	--
	05/18/95	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	08/17/95	INACCESSIBLE	--	--	--	--	--	--	--	--	--
	07/26/96	6.40	5.03**	3.33	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	10/28/96	4.10	4.93**	0.21	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/13/96	4.02	5.04**	0.25	--	--	--	--	--	--	--
	11/25/96	4.01	5.44**	0.75	--	--	--	--	--	--	--
	12/04/96	3.65	5.61**	0.50	--	--	--	--	--	--	--
	12/19/96	4.80	5.76**	2.20	--	--	--	--	--	--	--
	01/08/97	4.84	5.38**	1.75	--	--	--	--	--	--	--
	01/14/97	4.51	5.25**	1.15	--	--	--	--	--	--	--
	01/27/97	4.00	6.22**	1.75	--	--	--	--	--	--	--
	01/29/97	3.24	5.87**	0.31	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/11/97	4.65	5.14**	1.20	--	--	--	--	--	--	--
	02/24/97	4.81	4.91**	1.10	--	--	--	--	--	--	--
	03/10/97	4.60	5.00**	0.95	--	--	--	--	--	--	--
	03/17/97	4.50	5.06**	0.89	--	--	--	--	--	--	--
	03/31/97	4.65	4.99**	1.00	--	--	--	--	--	--	--
	04/15/97	4.90	4.76**	1.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	04/28/97	4.78	4.11**	0.03	--	--	--	--	--	--	--
	05/15/97	4.60	4.46**	0.25	--	--	--	--	--	--	--
	05/27/97	4.50	4.56**	0.25	--	--	--	--	--	--	--
	06/09/97	4.60	4.42**	0.20	--	--	--	--	--	--	--
	06/24/97	4.50	4.56**	0.25	--	--	--	--	--	--	--
	07/09/97	4.80	4.53**	0.60	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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 (cont)	07/15/97	4.63	4.56**	0.42	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	07/21/97	4.75	4.31**	0.25	--	--	--	--	--	--	--
	08/06/97	4.50	4.45**	0.10	--	--	--	--	--	--	--
	08/20/97	4.55	4.40**	0.10	--	--	--	--	--	--	--
	09/02/97	4.75	4.16**	0.05	--	--	--	--	--	--	--
	10/09/97	4.84	4.06**	0.04	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	01/14/98	3.90	5.69**	0.94	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/12/98	3.35	6.01**	0.64	--	--	--	--	--	--	--
	03/03/98	4.51	4.38**	0.02	--	--	--	--	--	--	--
	04/01/98	3.67	6.43**	1.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/26/98	4.11	5.15**	0.50	--	--	--	--	--	--	--
	06/15/98	5.03	4.07**	0.30	--	--	--	--	--	--	--
	07/15/98	4.56	4.35**	0.05	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/21/98	4.77	4.12**	0.02	--	--	--	--	--	--	--
	09/30/98	5.08	3.81**	0.03	--	--	--	--	--	--	--
	10/16/98	4.31	6.41**	2.40	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/06/98	3.98	5.02**	0.17	--	--	--	--	--	--	--
	11/25/98	3.92	5.03**	0.10	--	--	--	--	--	--	--
	12/28/98	3.90	5.12**	0.20	--	--	--	--	--	--	--
	01/25/99	4.18	5.15**	0.60	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	02/22/99	4.07	4.97**	0.22	--	--	--	--	--	--	--
	03/22/99	4.32	4.67**	0.15	--	--	--	--	--	--	--
	04/15/99	4.23	5.37**	0.95	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	05/28/99	4.38	4.79**	0.39	--	--	--	--	--	--	--
	06/29/99	4.12	4.77**	0.02	--	--	--	--	--	--	--
	07/14/99	4.20	4.69**	0.03	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	08/23/99	4.51	4.54**	0.24	--	--	--	--	--	--	--
	09/30/99	4.17	4.83**	0.17	--	--	--	--	--	--	--
	10/21/99	4.27	4.69**	0.12	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--	--
	11/29/99	**4.18**	**4.69**	**<0.01**	--	--	--	--	--	--	--
	12/20/99	**4.26**	**4.62****	**0.01**	--	--	--	--	--	--	--
	01/20/00	**4.31**	**4.56**	**<0.01**	**67,600[1]**	**130,000[23]**	**2,900**	**8,600**	**2,000**	**16,000**	**ND[9]**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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-7	05/27/97	4.50	4.33	0.00	--	68	ND	ND	ND	ND	ND
8.83	06/01/97	4.54	4.29	0.00	69[2]	--	--	--	--	--	--
	07/15/97	4.70	4.13	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	4.30	4.53	0.00	190[1]	ND	ND	ND	ND	ND	ND
	01/14/98	2.88	5.95	0.00	65[7]	ND	ND	ND	ND	ND	36
	04/01/98	3.13	5.70	0.00	ND	ND	ND	ND	ND	ND	ND
	07/15/98	4.45	4.38	0.00	74[12]	ND	ND	ND	ND	ND	ND
	10/16/98	3.45	5.38	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	3.22	5.61	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	3.11	5.72	0.00	ND	ND	ND	ND	ND	ND	ND
	07/14/99	3.34	5.49	0.00	69[20]	ND	ND	ND	ND	ND	ND
	10/21/99	3.43	5.40	0.00	ND	ND	ND	ND	ND	ND	ND
	01/20/00	**3.29**	**5.54**	**0.00**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**4.2**
MW-8	05/27/97	3.42	5.10	0.00	--	310	0.88	0.67	15	70	ND
8.52	06/01/97	3.46	5.06	0.00	320[2]	--	--	--	--	--	--
	07/15/97	3.49	5.03	0.00	ND	ND	ND	ND	2.7	3.8	ND
	10/09/97	3.73	4.79	0.00	390[1]	590	1.4	ND	32	4.1	ND
	01/14/98	1.92	6.60	0.00	230[7]	ND	ND	ND	ND	ND	ND
	04/01/98	2.38	6.14	0.00	510[7]	ND	ND	ND	ND	ND	4.7
	07/15/98	3.53	4.99	0.00	140[12]	ND	ND	ND	0.56	1.1	ND
	10/16/98	3.04	5.48	0.00	170[15]	ND	ND	ND	ND	ND	ND
	01/25/99	2.92	5.60	0.00	ND[9]	ND	ND	ND	ND	ND	ND
	04/15/99	2.40	6.12	0.00	91[12]	ND	ND	ND	ND	ND	ND
	07/14/99	3.03	5.49	0.00	120[21]	ND	ND	ND	ND	ND	ND
	10/21/99	3.11	5.41	0.00	110[24]	ND	ND	ND	ND	ND	ND
	01/20/00	**3.06**	**5.46**	**0.00**	**583[1]**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
MW-9	02/21/95	1.98	6.31	0.00	71[2]	70[4]	ND	ND	ND	ND	--
8.29	05/18/95	3.47	4.82	0.00	ND	52	ND	1.1	ND	1.9	--
	08/17/95	1.49	6.80	0.00	ND	ND	ND	ND	ND	ND	--
	07/26/96	0.28	8.01	0.00	98	ND	ND	ND	ND	ND	ND
	10/28/96	1.15	7.14	0.00	99[1]	ND	ND	ND	ND	ND	7.6

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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-9	01/29/97	1.05	7.24	0.00	54	ND	ND	ND	ND	ND	5.4
(cont)	04/15/97	1.88	6.41	0.00	94[1]	ND	ND	ND	ND	ND	5.4
	05/27/97	1.05	7.24	0.00	--	--	--	--	--	--	--
	07/15/97	1.90	6.39	0.00	ND	ND	ND	ND	ND	ND	ND
	10/09/97	1.76	6.53	0.00	160[1]	ND	ND	ND	ND	ND	ND
	01/14/98	1.26	7.03	0.00	110[7]	ND	ND	ND	ND	ND	3.0
	04/01/98	0.85	7.44	0.00	110[7]	ND	ND	ND	ND	ND	ND
	07/15/98	1.52	6.77	0.00	200[12]	ND	ND	ND	ND	ND	ND
	10/16/98	0.81	7.48	0.00	ND	ND	ND	ND	ND	ND	ND
	01/25/99	0.92	7.37	0.00	ND	ND	ND	ND	ND	ND	ND
	04/15/99	0.90	7.39	0.00	ND	75[18]	21	ND	ND	1.1	680
	07/14/99	1.04	7.25	0.00	140[21]	ND	1.9	ND	ND	ND	260
	10/21/99	1.23	7.06	0.00	210[24]	ND	ND	ND	ND	ND	170
	01/20/00	**1.18**	**7.11**	**0.00**	**519[1]**	**ND**	**1.1**	**ND**	**ND**	**ND**	**35**
MW-10	02/21/95	4.69	3.93	0.00	270[2]	1,500	250	26	9.1	160	--
8.62	05/18/95	4.92	3.70	0.00	75[1]	810	520	ND	18	23	--
	08/17/95	4.05	4.57	0.00	ND	67	25	ND	2.4	ND	--
	07/26/96	4.08	4.54	0.00	ND	ND	3.7	ND	ND	ND	ND
	10/28/96	4.09	4.53	0.00	ND	ND	1.1	ND	ND	ND	ND
	01/29/97	2.94	5.68	0.00	ND	210	41	0.67	7.2	4.8	11
	04/15/97	4.07	4.55	0.00	ND	110	12	ND	0.77	ND	9.7
	05/27/97	4.40	4.22	0.00	--	--	--	--	--	--	--
	07/15/97	4.19	4.43	0.00	ND	ND	2.1	ND	0.67	0.73	ND
	10/09/97	4.75	3.87	0.00	ND	190	38	0.92	6.6	7.6	ND
	01/14/98	2.66	5.96	0.00	--[8]	59	9.5	0.85	1.2	1.7	4.5
	04/01/98	3.45	5.17	0.00	62[7]	230	66	1.7	12	17	6.4
	07/15/98	4.21	4.41	0.00	78[12]	290	98	45	21	38	21
	10/16/98	4.11	4.51	0.00	ND	160[16]	44	0.96	2.5	10	17
	01/25/99	3.26	5.36	0.00	ND	140	27	ND	2.8	6.8	23
	04/15/99	3.63	4.99	0.00	ND	120	18	ND	1.8	5.1	14
	07/14/99	3.89	4.73	0.00	180[22]	280	55	3.2	11	31	6.1
	10/21/99	4.09	4.53	0.00	96[7]	140[23]	22	0.59	1.7	7.7	5.3
	01/20/00	**3.92**	**4.70**	**0.00**	**252[1]**	**ND**	**0.73**	**0.86**	**ND**	**ND**	**5.2**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, 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)
Trip Blank											
TB-LB	01/14/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/01/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/15/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/16/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	01/25/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/15/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/14/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/21/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	01/20/00	**--**	**--**	**--**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing elevation
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
TOG = Total Oil and Grease

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

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

◆ Elevations were based on the top of the well covers, and were surveyed relative to msl, per the City of Oakland Benchmark #3880 (Elevation = 20.37 feet).

1 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
2 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
3 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
4 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
5 TOG was ND.
6 The well was obstructed with debris at 0.55 feet. A water sample was collected but was not analyzed as it was considered not representative of groundwater in this well.
7 Laboratory report indicates unidentified hydrocarbons C9-C24
8 Sample bottle broken at Laboratory.
9 Detection limit raised. Refer to analytical reports.
10 Laboratory report indicates unidentified hydrocarbons >C14 and <C12.
11 Laboratory report indicates gasoline and unidentified hydrocarbons >C8.
12 Laboratory report indicates unidentified hydrocarbons >C14.
13 Laboratory report indicates non diesel mix >C14.
14 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.
15 Laboratory report indicates non diesel mix C9-C27.
16 Laboratory report indicates unidentified hydrocarbons <C7.
17 Laboratory report indicates unidentified hydrocarbons >C10.
18 Laboratory report indicates unidentified hydrocarbons C6-C12.
19 Laboratory report indicates unidentified hydrocarbons >C9.
20 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C20.
21 Laboratory report indicates discrete peaks and unidentified hydrocarbons >C16.
22 Laboratory report indicates unidentified hydrocarbons <C14 and >C16.
23 Laboratory report indicates gasoline C6-C12.
24 Laboratory report indicates unidentified hydrocarbons >C16.

Table 2

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

Well ID	Date	DTW *(ft.)*	Product Thickness *(ft.)*	Amount Bailed (Product + Water) *(gallons)*
MW-6	07/26/96	6.40	3.33	2.10
	10/28/96	4.10	0.21	0.14
	11/13/96	4.02	0.25	0.09
	11/25/96	4.01	0.75	0.47
	12/04/96	3.65	0.50	0.43
	12/19/96	4.80	2.20	1.02
	01/08/97	4.84	1.75	0.59
	01/14/97	4.51	1.15	0.66
	01/27/97	4.00	1.75	0.78
	01/29/97	3.24	0.31	0.25
	02/11/97	4.65	1.20	0.62
	02/24/97	4.81	1.10	0.50
	03/10/97	4.60	0.95	0.47
	03/17/97	4.50	0.89	0.35
	03/31/97	4.65	1.00	0.50
	04/15/97	4.90	1.03	0.51
	04/28/97	4.78	0.03	0.20
	05/15/97	4.60	0.25	0.20
	05/27/97	4.50	0.25	0.00
	06/09/97	4.60	0.20	0.23
	06/24/97	4.50	0.25	0.25
	07/09/97	4.80	0.60	0.25
	07/15/97	4.63	0.42	0.20
	07/21/97	4.75	0.25	0.27
	08/06/97	4.50	0.10	0.16
	08/20/97	4.55	0.10	0.20
	09/02/97	4.75	0.05	0.12
	10/09/97	4.84	0.04	0.12
	01/14/98[1]	3.90	0.94	1.50
	02/12/98[1]	3.35	0.64	0.32
	03/03/98[1]	4.51	0.02	2.00
	04/01/98[1]	3.67	1.60	0.50
	05/26/98[1]	4.11	0.50	0.08
	06/15/98[1]	5.03	0.30	0.060
	07/15/98[1]	4.56	0.05	0.10
	08/21/98[1]	4.77	0.02	0.040
	09/30/98[1]	5.08	0.03	0.027
	10/16/98[1]	4.32	2.40	0.98
	11/06/98[1]	3.98	0.17	0.16
	11/25/98[1]	3.92	0.10	0.12
	12/28/98[1]	3.90	0.20	0.14
	01/25/99[1]	4.18	0.60	0.27
	02/22/99[1]	4.07	0.22	0.078 product/3.0 water
	03/22/99[1]	4.32	0.15	0.039 product/5.0 water
	04/15/99[1]	4.23	0.95	1.0 product
	05/28/99[1]	4.38	0.39	0.141 product/1.0 water

Table 2

Product Thickness/Removal Data

Tosco (Unocal) Service Station #5043

449 Hegenberger Road

Oakland, California

Well ID	Date	DTW *(ft.)*	Product Thickness *(ft.)*	Amount Bailed (Product + Water) *(gallons)*
MW-6	06/29/99[1]	4.12	0.02	0.054 product/8.0 water
(cont)	07/14/99[1]	4.20	0.03	0.039 product/2.0 water
	08/23/99[1]	4.51	0.24	0.094 product/1.0 water
	09/30/99[1]	4.17	0.17	0.141 product/1.0 water
	10/21/99[1]	4.27	0.12	0.070 product/1.0 water
	11/29/99[2]	**4.18**	**<0.01**	**0.0078 product/1.0 water**
	12/20/99[2]	**4.26**	**0.01**	**0.0156 product/1.0 water**
	01/20/00[2]	**4.31**	**<0.01**	**0.00**

EXPLANATIONS:

Product Thickness/Removal Data prior to January 14, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to Water

(ft.) = Feet

[1] Skimmer present in well.

[2] No skimmer found in well.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using 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.

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING
EVENT OF NOVEMBER 29, 1999

WELL MONITORING/SAMPLING

FIELD DATA SHEET

Client/ #
Facility 5043 Job#: 180065
Address: 449 Hegenberger Rd. Date: 11-29-99
City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K.
Well Diameter 2 in. Hydrocarbon Thickness: <0.01 (feet) Amount Bailed (product/water): <1 ounce FP. 19. water (Gallons)
Total Depth 12.75 ft.
Depth to Water 4.18 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:	Sampling Equipment:
Disposable Bailer	Disposable Bailer
Bailer	Bailer
Stack	Pressure Bailer
Suction	Grab Sample
Grundfos	Other: _____
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
		Y		SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: FP mixed with water was deposited in a dedicated drum on site.
THERE WAS NO SKIMMER IN WELL.

9/97-fieldst.frm

TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING
EVENT OF DECEMBER 20, 1999

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 12-20-99

City: Oakland Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0.01 (feet) Amount Bailed (product/water): 2 Ounces of FP. 19. water (Gallons)

Total Depth 12.75 ft.

Depth to Water 4.26 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
		Y		SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: No skimmer in well. Product deposited in dedicated drum on site.

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TOSCO (UNOCAL) SS#5043
OAKLAND, CA

MONITORING & SAMPLING
EVENT OF JANUARY 20, 2000

FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-20-00

City: Oakland, CA Sampler: Joe

Well ID MW-3 Well Condition: Entire upper section was loose

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

Total Depth 14.05 ft.

Depth to Water 2.38 ft.

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

11.67 X VF 0.17 = 1.98 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

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

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

Starting Time: 9:25 Weather Conditions: rain/showers

Sampling Time: 9:50 A.M Water Color: clear Odor: yes

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10³	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:35	2	7.10	2.66	64.6			
9:37	4	7.12	2.67	64.4			
9:40 -	6	7.14	2.70	64.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb.	"	—	"	TPHD

COMMENTS: Entire upper section of vault was loose. No cap was found. Replaced. Installed new cap & padlock. See enclosed picture.

3/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-20-00

City: Oakland, CA. Sampler: Joe

Well ID MW-6 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: < 0.01 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 12.75 ft.

Depth to Water 4.31 ft.

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

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

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

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

Starting Time: 9:25 Weather Conditions: rain / shower

Sampling Time: 9:45 A.m Water Color: clear Odor: Strong

Purging Flow Rate: 0.5 gpm. Sediment Description: None

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:35	1	6.88	1.11	64.2			
9:37	2.5	6.85	0.94	65.2			
9:39	4.5	6.86	0.96	65.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb	"	—	"	TPHD

COMMENTS: _____

FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-20-00

City: Oakland, CA. Sampler: Joe

Well ID: MW-7 Well Condition: O.K.

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

Total Depth: 13.15 ft.

Depth to Water: 3.29 ft.

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

9.86 X VF 0.17 = 1.68 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

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

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

Starting Time: 6:54 Weather Conditions: rain/showers

Sampling Time: 7:20 A.M Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
7:05	1.5	7.71	5.36	65.0			
7:07	3	7.72	5.47	64.9			
7:10	5	7.62	5.51	64.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCl	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb	"	—	"	TPHD

COMMENTS: _____

3/97-fieldst.frm

FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-20-00

City: Oakland, CA. Sampler: Joe

Well ID MW-8 Well Condition: O.K.

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

Total Depth 14.80 ft.

Depth to Water 3.06 ft.

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

11.74 X VF 0.17 = 2.00 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

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

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

Starting Time: 7:32 Weather Conditions: rain/showers

Sampling Time: 8:00 A.m Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
7:42	2	7.40	7.37	65.2			
7:45	4	7.47	7.45	65.1			
7:48	6	7.53	7.48	65.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb	"	—	"	TPHD

COMMENTS: _____

9/97-fieldst.frm

FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-20-00

City: Oakland, CA. Sampler: Joe

Well ID mw-9 Well Condition: O.K.

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

Total Depth 11.95 ft.

Depth to Water 1.18 ft.

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

10.77 X VF 0.17 = 1.83 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

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

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

Starting Time: 8:14 Weather Conditions: rain/showers

Sampling Time: 8:36 A.M Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:22	1.5	7.37	6.50	65.2			
8:25	3	7.30	6.55	65.1			
8:27	5.5	7.22	6.57	64.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
mw-9	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb	"	—	"	TPHD

COMMENTS: _____

3/97-fieldst.frm

FIELD DATA SHEET

Client/
Facility # 5043 Job#: 180065

Address: 449 Hegenberger Rd. Date: 1-20-00

City: Oakland, CA. Sampler: Joe

Well ID: MW-10 Well Condition: O.K.

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

Total Depth: 12.80 ft.

Depth to Water: 3.92 ft.

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

8.88 X VF 0.17 = 1.51 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

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

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

Starting Time: 8:50 Weather Conditions: rain/showers

Sampling Time: 9:15 A.M Water Color: clear Odor: none

Purging Flow Rate: 0.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:00	1.5	7.49	6.12	64.6			
9:03	3	7.54	6.10	64.7			
9:05	4.5	7.56	6.18	64.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb	"	—	"	TPHD

COMMENTS: _____

TOSCO

Tosco Marketing Company
2003 Crow Canyon Pl., Ste. 400
San Ramon, California 94583

Facility Number: UNOCAL SS# 5095
Facility Address: 449 Hegenberger Road, Oakland, CA
Consultant Project Number: 180065.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 Sierra Court, Suite J, Dublin, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone) 510-551-7555 (Fax Number) 510-551-7888

Collector (Name):
(Phone) 925-277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number: IN001460
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 1-20-00
Signature: Joe Ajemian

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 (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	01A	1 VOA	W		G	—	HCl	Y	✓												
MW-3	02A-D	3 VOA 1 Amb				9:50			✓	✓											
MW-7	03					7:20			✓	✓											
MW-8	04					8:10			✓	✓											
MW-9	05					8:36			✓	✓											
MW-10	06					9:15			✓	✓											
MW-6	07					9:45			✓	✓											

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	1-20-00 2:10 pm			1/20/00 1410
Relinquished By (Signature) S.C.	Organization	Date/Time 1/21/00	Received By (Signature)	Organization CBC	Date/Time 1-21 1502
Relinquished By (Signature)	Organization CBC	Date/Time 1-21	Received For Laboratory By (Signature)		Date/Time 1/21 16:25

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

Sequoia
Analytical

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

8 February, 2000

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

RE: Unocal

Enclosed are the results of analyses for samples received by the laboratory on 20-Jan-00 14:10. 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: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	08-Feb-00 08:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W001460-01	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-3	W001460-02	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-3	W001460-02	Water	20-Jan-00 09:50	20-Jan-00 14:10
MW-7	W001460-03	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-7	W001460-03	Water	20-Jan-00 07:20	20-Jan-00 14:10
MW-8	W001460-04	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-8	W001460-04	Water	20-Jan-00 08:00	20-Jan-00 14:10
MW-9	W001460-05	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-9	W001460-05	Water	20-Jan-00 08:36	20-Jan-00 14:10
MW-10	W001460-06	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-10	W001460-06	Water	20-Jan-00 09:15	20-Jan-00 14:10
MW-6	W001460-07	Water	20-Jan-00 00:00	20-Jan-00 14:10
MW-6	W001460-07	Water	20-Jan-00 09:45	20-Jan-00 14:10

Alan B. Kemp, Laboratory Director

Sequoia Analytical

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

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 (W001460-01) Water Sampled: 20-Jan-00 00:00 Received: 20-Jan-00 14:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0A28002	28-Jan-00	28-Jan-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*70-130*		"	"	"	"	
MW-3 (W001460-02) Water Sampled: 20-Jan-00 09:50 Received: 20-Jan-00 14:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0A31003	31-Jan-00	31-Jan-00	EPA 8015M/8020	
Benzene	**0.81**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**54**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.3 %*	*70-130*		"	"	"	"	
MW-7 (W001460-03) Water Sampled: 20-Jan-00 07:20 Received: 20-Jan-00 14:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0A28002	28-Jan-00	28-Jan-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.2**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*70-130*		"	"	"	"	

Alan B. Kemp, Laboratory Director

Sequoia Analytical

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

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 (W001460-04) Water Sampled: 20-Jan-00 08:00 Received: 20-Jan-00 14:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0A28002	28-Jan-00	28-Jan-00	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		*113 %*		*70-130*	"	"	"	"	
MW-9 (W001460-05) Water Sampled: 20-Jan-00 08:36 Received: 20-Jan-00 14:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0A28002	28-Jan-00	28-Jan-00	EPA	
Benzene	**1.1**	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**35**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*107 %*		*70-130*	"	"	"	"	
MW-10 (W001460-06) Water Sampled: 20-Jan-00 09:15 Received: 20-Jan-00 14:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0A28003	28-Jan-00	28-Jan-00	EPA	
Benzene	**0.73**	0.50	"	"	"	"	"	8015M/8020	
Toluene	**0.86**	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.2**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*		*70-130*	"	"	"	"	

Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	08-Feb-00 08:17

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-6 (W001460-07) Water	**Sampled: 20-Jan-00 09:45**		**Received: 20-Jan-00 14:10**						**P-01**
Purgeable Hydrocarbons	**130000**	100000	ug/l	2000	0A31001	31-Jan-00	31-Jan-00	EPA	
Benzene	**2900**	1000	"	"	"	"	"	8015M/8020	
Toluene	**8600**	1000	"	"	"	"	"	"	
Ethylbenzene	**2000**	1000	"	"	"	"	"	"	
Xylenes (total)	**16000**	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5000	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*70-130*		"	"	"	"	

for Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Report Revised:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	11-Feb-00 09:51

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W001460-02) Water	**Sampled: 20-Jan-00 00:00**	**Received: 20-Jan-00 14:10**							
Diesel (C10-C24)	**2060**	83	ug/l	1	0020069	03-Feb-00	03-Feb-00	EPA 8015M-SVO	HC-12
Surrogate: o-Terphenyl		*91.6 %*	*50.0-150*		"	"	"		
MW-7 (W001460-03) Water	**Sampled: 20-Jan-00 00:00**	**Received: 20-Jan-00 14:10**							
Diesel (C10-C24)	ND	72	ug/l	1	0020069	03-Feb-00	03-Feb-00	EPA 8015M-SVO	
Surrogate: o-Terphenyl		*99.3 %*	*50.0-150*		"	"	"		
MW-8 (W001460-04) Water	**Sampled: 20-Jan-00 00:00**	**Received: 20-Jan-00 14:10**							
Diesel (C10-C24)	**583**	72	ug/l	1	0020069	03-Feb-00	03-Feb-00	EPA 8015M-SVO	HC-12
Surrogate: o-Terphenyl		*91.6 %*	*50.0-150*		"	"	"		
MW-9 (W001460-05) Water	**Sampled: 20-Jan-00 00:00**	**Received: 20-Jan-00 14:10**							
Diesel (C10-C24)	**519**	83	ug/l	1	0020069	03-Feb-00	03-Feb-00	EPA 8015M-SVO	HC-12
Surrogate: o-Terphenyl		*88.6 %*	*50.0-150*		"	"	"		
MW-10 (W001460-06) Water	**Sampled: 20-Jan-00 00:00**	**Received: 20-Jan-00 14:10**							
Diesel (C10-C24)	**252**	63	ug/l	1	0020069	03-Feb-00	03-Feb-00	EPA 8015M-SVO	HC-12
Surrogate: o-Terphenyl		*86.4 %*	*50.0-150*		"	"	"		
MW-6 (W001460-07) Water	**Sampled: 20-Jan-00 00:00**	**Received: 20-Jan-00 14:10**							
Diesel (C10-C24)	**67600**	720	ug/l	10	0020069	03-Feb-00	06-Feb-00	EPA 8015M-SVO	HC-12
Surrogate: o-Terphenyl		*108 %*	*50.0-150*		"	"	"		

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

Alan B. Kemp, Laboratory Director

Sequoia Analytical

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

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 0A28002: Prepared 28-Jan-00 Using EPA 5030B [P/T]										
Blank (0A28002-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	*34.0*		"	*30.0*		*113*	*70-130*			
LCS (0A28002-BS1)										
Benzene	19.7	0.50	ug/l	20.0		98.5	70-130			
Toluene	19.8	0.50	"	20.0		99.0	70-130			
Ethylbenzene	20.4	0.50	"	20.0		102	70-130			
Xylenes (total)	61.3	0.50	"	60.0		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*31.0*		"	*30.0*		*103*	*70-130*			
Matrix Spike (0A28002-MS1)					**Source: W001555-06**					
Benzene	22.0	0.50	ug/l	20.0	ND	110	70-130			
Toluene	21.7	0.50	"	20.0	ND	109	70-130			
Ethylbenzene	21.9	0.50	"	20.0	ND	109	70-130			
Xylenes (total)	67.3	0.50	"	60.0	ND	112	70-130			
Surrogate: a,a,a-Trifluorotoluene	*31.3*		"	*30.0*		*104*	*70-130*			
Matrix Spike Dup (0A28002-MSD1)					**Source: W001555-06**					
Benzene	21.3	0.50	ug/l	20.0	ND	106	70-130	3.23	20	
Toluene	21.5	0.50	"	20.0	ND	108	70-130	0.926	20	
Ethylbenzene	21.8	0.50	"	20.0	ND	109	70-130	0.458	20	
Xylenes (total)	64.7	0.50	"	60.0	ND	108	70-130	3.94	20	
Surrogate: a,a,a-Trifluorotoluene	*31.1*		"	*30.0*		*104*	*70-130*			

for Alan B. Kemp, Laboratory Director

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	08-Feb-00 08:17

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 0A28003: Prepared 28-Jan-00 Using EPA 5030B [P/T]										
Blank (0A28003-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	*30.3*		"	*30.0*		*101*	*70-130*			
LCS (0A28003-BS1)										
Benzene	20.5	0.50	ug/l	20.0		103	70-130			
Toluene	21.0	0.50	"	20.0		105	70-130			
Ethylbenzene	21.0	0.50	"	20.0		105	70-130			
Xylenes (total)	60.8	0.50	"	60.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.6*		"	*30.0*		*95.3*	*70-130*			
Matrix Spike (0A28003-MS1)					**Source: W001555-02**					
Benzene	20.8	0.50	ug/l	20.0	ND	104	70-130			
Toluene	22.0	0.50	"	20.0	ND	110	70-130			
Ethylbenzene	21.9	0.50	"	20.0	ND	109	70-130			
Xylenes (total)	63.4	0.50	"	60.0	ND	106	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.0*		"	*30.0*		*96.7*	*70-130*			
Matrix Spike Dup (0A28003-MSD1)					**Source: W001555-02**					
Benzene	22.3	0.50	ug/l	20.0	ND	111	70-130	6.96	20	
Toluene	23.1	0.50	"	20.0	ND	116	70-130	4.88	20	
Ethylbenzene	23.4	0.50	"	20.0	ND	117	70-130	6.62	20	
Xylenes (total)	66.6	0.50	"	60.0	ND	111	70-130	4.92	20	
Surrogate: a,a,a-Trifluorotoluene	*31.5*		"	*30.0*		*105*	*70-130*			

Alan B. Kemp, Laboratory Director

Sequoia Analytical

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

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 0A31001: Prepared 31-Jan-00 Using EPA 5030B [P/T]										
Blank (0A31001-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	*27.6*		"	*30.0*		*92.0*	*70-130*			
LCS (0A31001-BS1)										
Benzene	18.4	0.50	ug/l	20.0		92.0	70-130			
Toluene	18.9	0.50	"	20.0		94.5	70-130			
Ethylbenzene	20.6	0.50	"	20.0		103	70-130			
Xylenes (total)	61.5	0.50	"	60.0		103	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.9*		"	*30.0*		*93.0*	*70-130*			
Matrix Spike (0A31001-MS1)					**Source: W001532-02**					
Benzene	18.4	0.50	ug/l	20.0	ND	92.0	70-130			
Toluene	19.0	0.50	"	20.0	ND	95.0	70-130			
Ethylbenzene	17.0	0.50	"	20.0	ND	85.0	70-130			
Xylenes (total)	59.8	0.50	"	60.0	ND	99.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.6*		"	*30.0*		*92.0*	*70-130*			
Matrix Spike Dup (0A31001-MSD1)					**Source: W001532-02**					
Benzene	18.0	0.50	ug/l	20.0	ND	90.0	70-130	2.20	20	
Toluene	18.5	0.50	"	20.0	ND	92.5	70-130	2.67	20	
Ethylbenzene	17.1	0.50	"	20.0	ND	85.5	70-130	0.587	20	
Xylenes (total)	58.6	0.50	"	60.0	ND	97.7	70-130	2.03	20	
Surrogate: a,a,a-Trifluorotoluene	*27.0*		"	*30.0*		*90.0*	*70-130*			

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

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 0A31003: Prepared 31-Jan-00 Using EPA 5030B [P/T]										
Blank (0A31003-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	*30.1*		"	*30.0*		*100*	*70-130*			
LCS (0A31003-BS1)										
Benzene	20.8	0.50	ug/l	20.0		104	70-130			
Toluene	21.1	0.50	"	20.0		106	70-130			
Ethylbenzene	21.3	0.50	"	20.0		106	70-130			
Xylenes (total)	61.4	0.50	"	60.0		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.6*		"	*30.0*		*95.3*	*70-130*			
LCS Dup (0A31003-BSD1)										
Benzene	20.5	0.50	ug/l	20.0		103	70-130	1.45	20	
Toluene	20.7	0.50	"	20.0		104	70-130	1.91	20	
Ethylbenzene	20.1	0.50	"	20.0		101	70-130	5.80	20	
Xylenes (total)	59.6	0.50	"	60.0		99.3	70-130	2.98	20	
Surrogate: a,a,a-Trifluorotoluene	*27.5*		"	*30.0*		*91.7*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 5043	**Report Revised:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	11-Feb-00 09:51

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0020069: Prepared 03-Feb-00 Using EPA 3510B										
Blank (0020069-BLK1)										
Diesel (C10-C24)	ND	50	ug/l							
Surrogate: o-Terphenyl	*0.0974*		"	*0.100*		*97.4*	*50.0-150*			
LCS (0020069-BS1)										
Diesel (C10-C24)	971	50	ug/l	1000		97.1	50.0-150			
Surrogate: o-Terphenyl	*0.0949*		"	*0.100*		*94.9*	*50.0-150*			
LCS Dup (0020069-BSD1)										
Diesel (C10-C24)	975	50	ug/l	1000		97.5	50.0-150	0.411	20.0	
Surrogate: o-Terphenyl	*0.0922*		"	*0.100*		*92.2*	*50.0-150*			

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

Alan B. Kemp, Laboratory Director

Sequoia Analytical

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

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
P-01	Chromatogram Pattern: Gasoline C6-C12
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