



GETTLER - RYAN INC.

February 17, 2000
G-R Job #280036

Mr. Robert A. Boust
Unocal - DBG/AMG
2121 North California Boulevard, Suite 250
Walnut Creek, California 94596

RE: First Quarter 2000 Groundwater Monitoring & Sampling Report
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Dear Mr. Boust:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On January 18, 2000, field personnel monitored and sampled four wells (MW-3, MW-7, MW-8, and MW-9) 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 not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1, 2 and 3. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

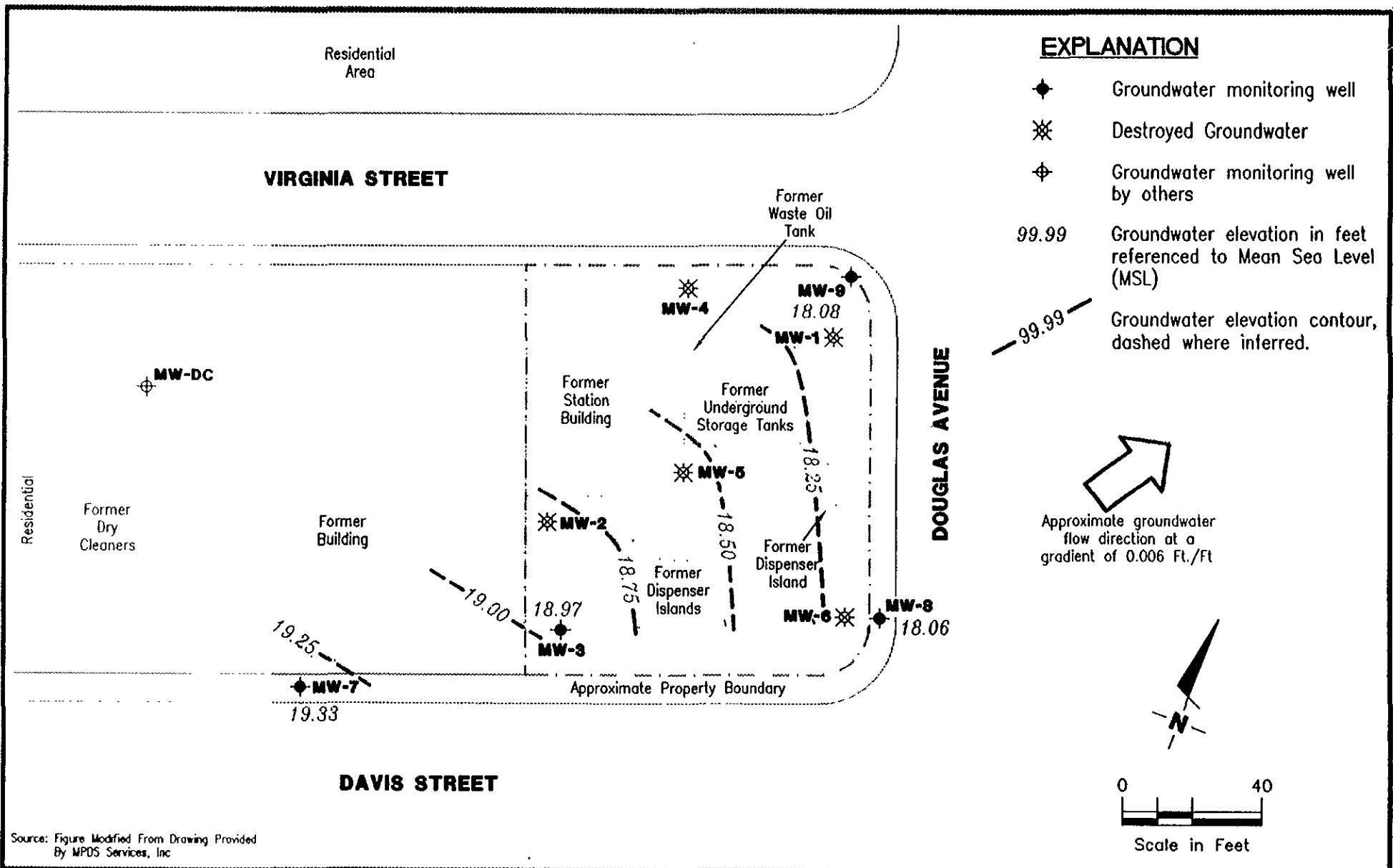
Deanna L. Harding
Project Coordinator

Barbara Sieminski
Project Geologist, R.G No 6676



Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results
Table 3: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

2512 qml



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



Gettler - Ryan Inc.

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Dublin, CA 94568

POTENTIOMETRIC MAP

Former Unocal Service Station No. 2512
1300 Davis Street
San Leandro, California

FIGURE

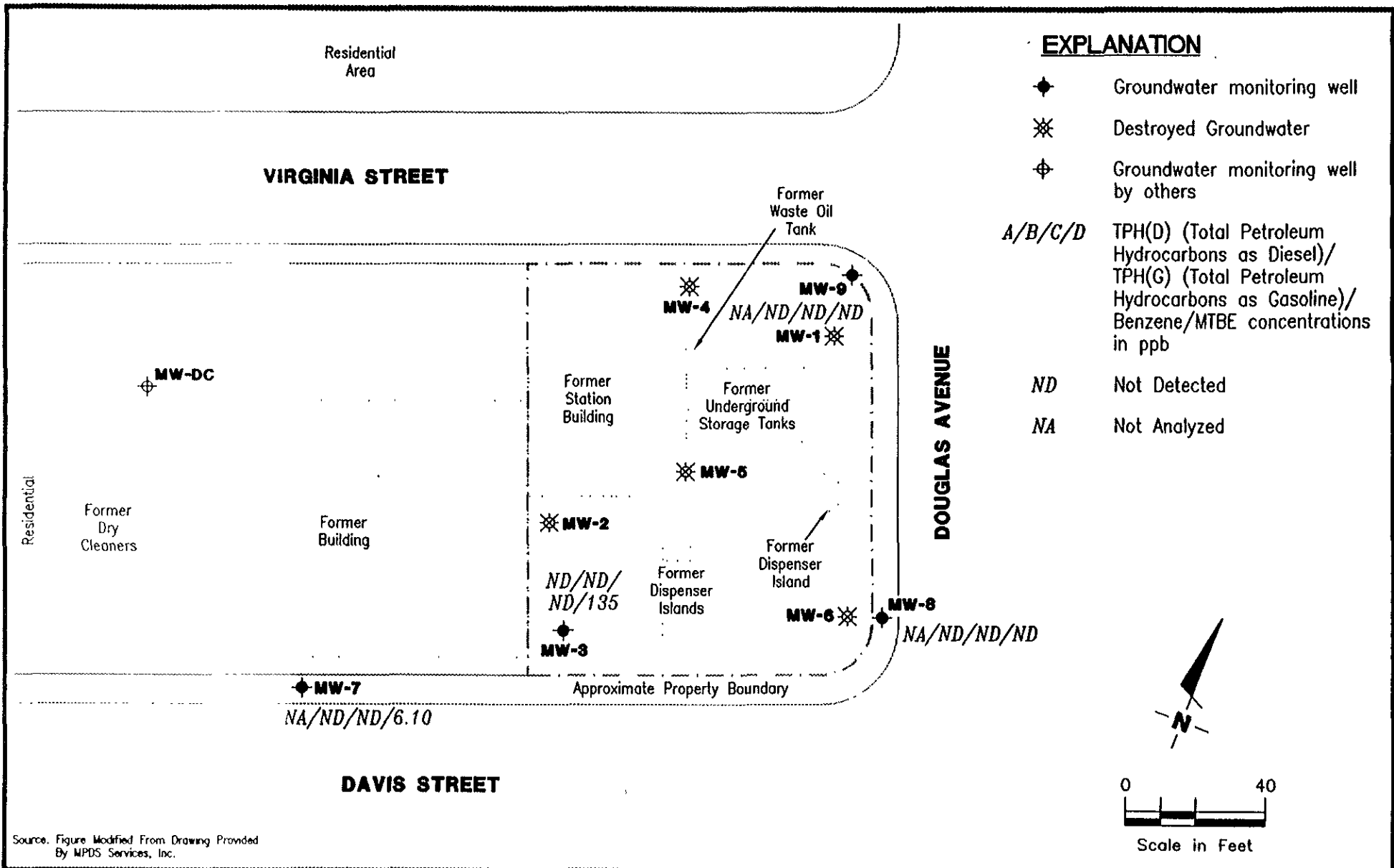
1

JOB NUMBER
280036

REVIEWED BY

DATE
January 18, 2000

REVISED DATE



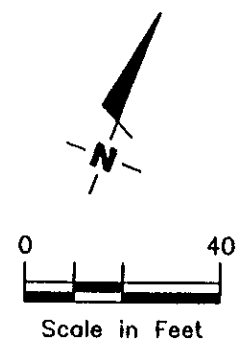
EXPLANATION

- ◆ Groundwater monitoring well
- ✱ Destroyed Groundwater
- ⊕ Groundwater monitoring well by others

A/B/C/D TPH(D) (Total Petroleum Hydrocarbons as Diesel)/
TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/
Benzene/MTBE concentrations in ppb

ND Not Detected

NA Not Analyzed



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



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Dublin, CA 94568

CONCENTRATION MAP
Former Unocal Service Station No. 2512
1300 Davis Street
San Leandro, California

FIGURE
2

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, 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)	TOG (ppm)
MW-1	04/25/89	--	--	--	100	ND	0.31	ND	ND	ND	--	--
	08/10/89	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/21/89	--	--	--	ND	ND	ND	ND	ND	ND	--	8.9
	02/23/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	05/10/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	08/09/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/06/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	02/04/91	--	--	--	ND	ND	ND	0.31	ND	0.62	--	ND
	05/24/91	--	--	--	--	ND	ND	ND	ND	ND	--	ND
	08/15/91	--	--	--	--	--	--	--	--	--	--	--
100 00	09/18/91	17.88	82.12	0.00	--	--	--	--	--	--	--	--
	10/15/91	18.17	81.83	0.00	--	--	--	--	--	--	--	--
	11/19/91	17.48	82.52	0.00	--	--	--	--	--	--	--	--
32 69	02/27/92	15.36	17.33	0.00	--	--	--	--	--	--	--	--
	03/27/92	15.53	17.16	0.00	--	--	--	--	--	--	--	--
	04/27/92	15.68	17.01	0.00	--	--	--	--	--	--	--	--
	05/26/92	15.90	16.79	0.00	--	--	--	--	--	--	--	--
	06/23/92	16.25	16.44	0.00	--	--	--	--	--	--	--	--
	07/24/92	16.54	16.15	0.00	--	--	--	--	--	--	--	--
	10/30/92	16.58	16.11	0.00	--	--	--	--	--	--	--	--
	06/09/94	15.22	--	0.00	--	580 ¹	ND	ND	ND	ND	--	--
	09/08/94	15.81	--	0.00	--	160 ²	ND	1.6	ND	3.1	--	--
	01/25/95	101 STROYED	--	--	--	--	--	--	--	--	--	--
MW-2	04/25/89	--	--	--	ND	32	0.35	ND	ND	ND	--	--
	08/10/89	--	--	--	ND	ND	ND	0.39	ND	ND	--	ND
	11/21/89	--	--	--	ND	48	ND	0.51	ND	ND	--	1.6
	02/23/90	--	--	--	ND	44	ND	ND	ND	ND	--	ND
	05/10/90	--	--	--	ND	43	ND	1	ND	ND	--	ND
	08/09/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/06/90	--	--	--	ND	ND	ND	0.42	ND	1.4	--	ND
	02/04/91	--	--	--	ND	ND	ND	0.38	ND	0.87	--	ND
	05/24/91	--	--	--	--	ND	1.5	ND	ND	ND	--	ND
	08/15/91	--	--	--	--	ND	ND	ND	ND	ND	--	ND
100 32	09/18/91	18.48	81.84	0.00	--	--	--	--	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID/ TOC*	Date	DTW (ft.)	GWE (mst)	Product								
				Thickness (ft.)	TPH(D) (ppb)	TPH(G) (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppm)
MW-2	10/15/91	18.75	81.57	0.00	--	--	--	--	--	--	--	--
(cont)	11/19/91	18.01	82.31	0.00	--	220	2.5	8.4	2.4	14	--	--
33 04	02/27/92	15.40	17.64	0.00	--	330	12	12	10	93	--	--
	03/27/92	15.61	17.43	0.00	--	--	--	--	--	--	--	--
	04/27/92	15.96	17.08	0.00	--	--	--	--	--	--	--	--
	05/26/92	16.30	16.74	0.00	--	2,900	8.8	9.3	54	36	--	--
	06/23/92	16.76	16.28	0.00	--	--	--	--	--	--	--	--
	07/24/92	16.66	-- ¹²	0.00	--	--	--	--	--	--	--	--
	10/30/92	17.38	-- ¹²	0.00	--	1,200 ¹	ND	ND	ND	ND	--	--
	06/09/94	15.48	--	0.00	--	1,900 ²	6.7	ND	66	ND	--	--
	09/08/94	16.22	--	0.00	--	3,000 ¹	ND	ND	ND	17	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--	--	--	--	--
MW-3	04/25/89	--	--	--	5,700	56	ND	ND	0.31	0.49	--	--
	08/10/89	--	--	--	860	3,200	73	140	35	240	--	ND
	11/21/89	--	--	--	110	1,900	ND	ND	ND	ND	--	3.8
	02/23/90	--	--	--	350	ND	0.32	ND	ND	ND	--	1.3
	05/10/90	--	--	--	850	6,200	94	460	160	540	--	2.8
	08/09/90	--	--	--	500	1,900	56	140	140	31	--	ND
	11/06/90	--	--	--	940	16,000	820	1,500	2,200	770	--	ND
	02/04/91	--	--	--	NOT SAMPLED DUE TO A TRACE OF FREE PRODUCT						--	--
	05/24/91	--	--	--	2,000	23,000	940	3,400	590	2,600	--	ND
	08/15/91	--	--	--	NOT SAMPLED DUE TO A TRACE OF FREE PRODUCT						--	--
100 03	09/04/91	17.97	82.08***	0.03	--	--	--	--	--	--	--	--
	09/18/91	18.38	81.73***	0.10	--	--	--	--	--	--	--	--
	10/02/91	18.50	81.65***	0.16	--	--	--	--	--	--	--	--
	10/15/91	18.59	81.62***	0.24	--	--	--	--	--	--	--	--
	11/05/91	17.75	82.49***	0.27	--	--	--	--	--	--	--	--
	11/19/91	17.87	82.36***	0.26	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--	--
32 73	02/27/92	14.98	17.82**	0.09	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--	--
	03/12/92	14.94	17.79	0.00	--	--	--	--	--	--	--	--
	03/27/92	15.12	17.61	0.00	--	--	--	--	--	--	--	--
	04/13/92	15.17	17.56	0.00	--	--	--	--	--	--	--	--
	04/27/92	15.58	17.17**	0.02	--	--	--	--	--	--	--	--
	05/11/92	15.84	16.92**	0.04	--	--	--	--	--	--	--	--

Table 1
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1300 Davis Street
San Leandro, 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)	TOG (ppm)
MW-3	05/26/92	16.06	16.76**	0.12	2,400,000	1,300,000	5,100	66,000	20,000	160,000	--	880
(cont)	06/09/92	16.29	16.46**	0.03	--	--	--	--	--	--	--	--
	06/23/92	16.52	16.26**	0.06	--	--	--	--	--	--	--	--
	07/06/92	16.60	16.24**	0.14	--	--	--	--	--	--	--	--
	07/24/92	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	10/30/92	17.08	-- ¹²	0.07	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--	--
	06/09/94	14.74	--	0.00	17,000 ³	69,000	1,300	7,100	1,900	11,000	--	--
	09/08/94	15.54	--	Sheen	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT						--	--
32 02	10/05/95	14.86	17.16	0.00	--	--	--	--	--	--	--	--
	10/21/95	14.98	17.04	0.00	5,900 ³	50,000	250	4,200	1,700	18,000	-- ⁵	--
	01/24/96	13.15	18.87	0.00	5,300 ³	100,000	950	3,300	2,500	16,000	-- ⁶	--
	04/23/96	13.11	18.91	0.00	4,900 ³	50,000	430	1,700	1,600	7,600	ND	--
	07/25/96	14.40	17.62	0.00	2,400 ⁴	17,000	170	ND	650	3,300	240	--
	10/25/96	15.33	16.69	0.00	3,700 ⁴	26,000	420	1,100	1,800	6,400	340	--
	01/28/97	11.55	20.47	0.00	3,900 ³	32,000	230	1,000	1,000	4,500	ND	--
	04/16/97	12.05	19.97	0.00	3,100 ³	12,000	76	ND	330	1,600	ND	--
	07/21/97	15.17	16.85	0.00	2,400 ³	10,000	82	28	430	1,400	76	--
	10/20/97	15.41	16.61	Sheen	2,900 ⁴	12,000	200	540	1,400	4,600	210	--
	01/21/98 ¹⁰	11.59	20.43	0.00	3,700 ⁷	25,000	170	640	1,200	4,800	ND ⁸	--
	04/17/98 ¹⁰	12.46	19.56	0.00	3,400	25,000	980	1,400	5,800	ND ⁸	ND ⁸	--
	07/14/98 ¹⁰	13.43	18.59	0.00	1,100 ¹¹	6,200	76	ND ⁸	550	810	ND ⁸	--
	10/12/98 ¹⁰	14.60	17.42	0.00	420 ¹³	1,600	28	ND ⁸	28	81	ND ⁸	--
	01/19/99 ¹⁰	12.97	19.05	0.00	870 ¹⁵	27,000 ¹⁴	18	ND ⁸	48	69	ND ⁸	--
	04/07/99	12.36	19.66	0.00	ND	1,700	10	ND ⁸	28	72	⁸ ND/4.7 ¹⁶	ND
	07/12/99	14.41	17.61	0.00	160 ¹⁷	78	0.68	ND	ND	2.4	ND	--
	10/25/99	14.53	17.49	0.00	95 ¹⁸	220	0.82	ND	0.77	6.8	3.9	--
	01/18/00	13.05	18.97	0.00	ND	ND	ND	ND	ND	ND	135	--
MW-4	08/29/89	--	--	--	120	ND	ND	ND	ND	ND	--	ND
	11/21/89	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	02/23/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	05/10/90	--	--	--	88	54	ND	2	ND	0.37	--	ND
	08/09/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/06/90	--	--	--	ND	ND	ND	0.36	ND	0.98	--	ND
	02/04/91	--	--	--	ND	ND	ND	0.72	ND	1.1	--	ND

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1300 Davis Street
San Leandro, 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)	TOG (ppm)
MW-4	05/24/91	--	--	--	ND	ND	0.64	ND	ND	ND	--	ND
(cont)	08/15/91	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
99 66	09/18/91	17.67	81.99	0.00	--	--	--	--	--	--	--	--
	10/15/91	17.95	81.71	0.00	--	--	--	--	--	--	--	--
	11/19/91	17.25	82.41	0.00	ND	ND	ND	ND	ND	ND	--	--
32 38	02/27/92	14.96	17.42	0.00	ND	43	ND	1	0.37	2.5	--	--
	03/27/92	15.01	17.37	0.00	--	--	--	--	--	--	--	--
	04/27/92	15.37	17.01	0.00	--	--	--	--	--	--	--	--
	05/26/92	15.62	16.76	0.00	ND	120	0.59	0.82	ND	1.9	--	--
	06/23/92	16.02	16.36	0.00	--	--	--	--	--	--	--	--
	07/24/92	16.10	-- ¹²	0.00	--	--	--	--	--	--	--	--
	10/30/92	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	06/09/94	15.08	--	0.00	ND	780 ¹	ND	ND	ND	ND	--	--
	09/08/94	15.72	--	0.00	ND	300 ¹	ND	ND	ND	ND	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--	--	--	--	--
MW-5	08/29/89	--	--	--	100	ND	ND	0.94	0.3	ND	--	ND
	11/21/89	--	--	--	70	ND	ND	ND	ND	ND	--	ND
	02/23/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	05/10/90	--	--	--	83	ND	ND	ND	ND	0.31	--	ND
	08/09/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/06/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	02/04/91	--	--	--	ND	ND	ND	0.35	ND	ND	--	ND
	05/24/91	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
100 32	09/18/91	18.30	82.02	0.00	--	--	--	--	--	--	--	--
	10/15/91	18.59	81.73	0.00	--	--	--	--	--	--	--	--
	11/19/91	17.87	82.45	0.00	--	--	--	--	--	--	--	--
33 02	02/27/92	15.50	17.52	0.00	--	--	--	--	--	--	--	--
	03/27/92	15.68	17.34	0.00	--	--	--	--	--	--	--	--
	04/27/92	15.96	17.06	0.00	--	--	--	--	--	--	--	--
	05/26/92	16.22	16.80	0.00	--	--	--	--	--	--	--	--
	06/23/92	16.63	16.39	0.00	--	--	--	--	--	--	--	--
	07/24/92	16.73	-- ¹²	0.00	--	--	--	--	--	--	--	--
	10/30/92	INACCESSIBLE	--	0.00	--	--	--	--	--	--	--	--

Table 1
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Former Unocal Service Station #2512
1300 Davis Street
San Leandro, 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)	TOG (ppm)
MW-5 (cont)	06/09/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	09/08/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--	--	--	--	--
MW-6	08/29/89	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/21/89	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	02/23/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	05/10/90	--	--	--	ND	ND	ND	1.2	ND	ND	--	ND
	08/09/90	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	11/06/90	--	--	--	ND	ND	1.6	0.35	ND	ND	--	ND
	02/04/91	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
	05/24/91	--	--	--	--	ND	ND	ND	ND	ND	--	ND
	08/15/91	--	--	--	--	ND	ND	ND	ND	ND	--	ND
100 50	09/18/91	18.34	82.16	0.00	--	--	--	--	--	--	--	--
	10/15/91	18.65	81.85	0.00	--	--	--	--	--	--	--	--
	11/19/91	17.94	82.56	0.00	--	ND	ND	ND	ND	ND	--	--
33 19	02/27/92	15.70	17.49	0.00	--	ND	3.2	ND	ND	3.8	--	--
	03/27/92	15.56	17.63	0.00	--	--	--	--	--	--	--	--
	04/27/92	16.07	17.12	0.00	--	--	--	--	--	--	--	--
	05/26/92	16.34	16.85	0.00	--	ND	ND	ND	ND	0.65	--	--
	06/23/92	16.70	16.49	0.00	--	--	--	--	--	--	--	--
	07/24/92	17.00	16.19	0.00	--	--	--	--	--	--	--	--
	10/30/92	17.07	16.12	0.00	--	ND	ND	ND	ND	ND	--	--
	06/09/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	09/08/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--	--	--	--	--
MW-7 32 09	02/27/92	15.12	16.97	0.00	--	38	ND	0.97	0.69	4	--	--
	03/27/92	14.26	17.83	0.00	--	--	--	--	--	--	--	--
	04/27/92	14.86	17.23	0.00	--	--	--	--	--	--	--	--
	05/26/92	15.30	16.79	0.00	--	ND	ND	ND	ND	0.6	--	--
	06/23/92	15.80	16.29	0.00	--	--	--	--	--	--	--	--
	07/24/92	16.26	15.83	0.00	--	--	--	--	--	--	--	--

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San Leandro, 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)	TOG (ppm)
MW-7	10/30/92	16.31	15.78	0.00	--	ND	ND	ND	ND	ND	--	--
(cont)	06/09/94	14.43	--	0.00	--	610 ¹	ND	ND	ND	ND	--	--
	09/08/94	15.32	--	0.00	--	ND	ND	1.3	ND	1.6	--	--
31 71	10/21/95	14.74	16.97	0.00	--	ND	ND	ND	ND	ND	--	--
	01/24/96	12.50	19.21	0.00	--	ND	ND	ND	ND	ND	--	--
	04/23/96	12.48	19.23	0.00	--	220	ND	0.62	0.88	5.4	ND	--
	07/25/96	14.30	17.41	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/25/96	15.13	16.58	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/28/97	10.41	21.30	0.00	--	ND	ND	ND	ND	ND	ND	--
	04/16/97	12.12	19.59	0.00	--	ND	ND	ND	ND	ND	ND	--
	07/21/97	15.01	16.70	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/20/97	15.18	16.53	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/21/98	10.46	21.25	0.00	--	ND	ND	ND	ND	ND	ND	--
	04/17/98	11.57	20.14	0.00	--	ND	ND	ND	ND	ND	ND	--
	07/14/98	13.10	18.61	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/12/98	14.22	17.49	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/19/99	12.12	19.59	0.00	--	ND	ND	ND	ND	ND	ND	--
	04/07/99	11.47	20.24	0.00	--	ND	ND	ND	ND	ND	ND/ND ¹⁶	--
	07/12/99	14.17	17.54	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/25/99	14.22	17.49	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/18/00	12.38	19.33	0.00	--	ND	ND	ND	ND	ND	6.10	--
MW-8												
32 73	10/05/95	15.56	17.17	0.00	--	--	--	--	--	--	--	--
	10/21/95	15.65	17.08	0.00	--	ND	ND	ND	ND	ND	--	--
	01/24/96	14.51	18.22	0.00	--	ND	ND	ND	ND	ND	--	--
	04/23/96	15.70	17.03	0.00	--	ND	ND	ND	ND	ND	ND	--
	07/25/96	15.10	17.63	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/25/96	15.96	16.77	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/28/97	13.86	18.87	0.00	--	ND	ND	ND	ND	ND	ND	--
	04/16/97	12.74	19.99	0.00	--	ND	ND	ND	ND	ND	ND	--
	07/21/97	15.71	17.02	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/20/97	15.98	16.75	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/21/98	14.20	18.53	0.00	--	ND	ND	ND	ND	ND	ND	--
	04/17/98	14.40	18.33	0.00	--	ND	ND	ND	ND	ND	ND	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, 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)	TOG (ppm)
MW-8	07/14/98	14.85	17.88	0.00	--	ND	ND	ND	ND	ND	ND	--
(cont)	10/12/98	15.86	16.87	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/19/99	14.69	18.04	0.00	--	ND	ND	ND	ND	ND	ND	--
	04/07/99	13.88	18.85	0.00	--	ND	ND	ND	ND	ND	ND/ND ¹⁶	--
	07/12/99	15.21	17.52	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/25/99	15.30	17.43	0.00	--	ND	ND	ND	ND	ND	ND	--
	01/18/00	14.67	18.06	0.00	--	ND	ND	ND	ND	ND	ND	--
MW-9												
32 33	10/05/95	15.27	17.06	0.00	--	--	--	--	--	--	--	--
	10/21/95	15.59	16.74	0.00	--	ND	ND	ND	ND	ND	-- ⁵	--
	01/24/96	14.28	18.05	0.00	--	ND	ND	ND	ND	ND	-- ⁶	--
	04/23/96	14.60	17.73	0.00	--	ND	ND	ND	ND	ND	ND	--
	07/25/96	15.05	17.28	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/25/96	15.66	16.67	0.00	--	ND	ND	ND	ND	ND	180	--
	01/28/97	13.76	18.57	0.00	--	ND	ND	ND	ND	ND	75	--
	04/16/97	12.66	19.67	0.00	--	ND	ND	ND	ND	ND	ND	--
	07/21/97	15.44	16.89	0.00	--	ND	ND	ND	ND	ND	ND	--
	10/20/97	15.67	16.66	0.00	--	ND	ND	ND	ND	ND	100	--
	01/21/98	13.97	18.36	0.00	--	ND	ND	ND	ND	ND	140	--
	04/17/98	14.38	17.95	0.00	--	56 ⁹	ND	ND	ND	ND	18	--
	07/14/98	14.87	17.46	0.00	--	ND	ND	ND	ND	ND	6.6	--
	10/12/98	15.19	17.14	0.00	--	ND	ND	ND	ND	ND	16	--
	01/19/99	14.54	17.79	0.00	--	ND	ND	ND	ND	ND	30	--
	04/07/99	13.62	18.71	0.00	--	ND	ND	ND	ND	ND	6.9/6.4 ¹⁶	--
	07/12/99	15.03	17.30	0.00	--	ND	ND	ND	ND	ND	3.8	--
	10/25/99	14.25	18.08	0.00	--	ND	ND	ND	ND	ND	ND	--
Trip Blank												
TB-1 B	01/21/98	--	--	--	--	ND	ND	ND	ND	ND	ND	--
	04/17/98	--	--	--	--	ND	ND	ND	ND	ND	ND	--
	07/14/98	--	--	--	--	ND	ND	ND	ND	ND	ND	--
	10/12/98	--	--	--	--	ND	ND	ND	ND	ND	ND	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, 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)	TOG (ppm)
TB-LB	01/19/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--
(cont)	04/07/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--
	07/12/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--
	10/25/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--
	01/18/00	--	--	--	--	ND	ND	ND	ND	ND	ND	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory results prior to January 21, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing elevation	TPH(G) = Total Petroleum Hydrocarbons as Gasoline	TOG = Total Oil & Grease
DTW = Depth to Water	B = Benzene	MTBE = Methyl tertiary butyl ether
(ft) = Feet	T = Toluene	ppb = Parts per billion
GWF = Groundwater Elevation	E = Ethylbenzene	ppm = Parts per million
msl = Relative to mean sea level	X = Xylenes	ND = Not Detected
TPH(D) = Total Petroleum Hydrocarbons as Diesel		-- = Not Measured/Not Analyzed

* TOC elevations are relative to msl, per East Bay MUD Benchmark DAVIS FREE #2 - San Leandro 1952 (Elevation = 32.02 feet msl). Prior to October 5, 1993, the DTW measurements were taken from top of well covers. Prior to February 27, 1992, the DTW measurements were surveyed assuming well cover MW-1 100 feet as datum.

** Groundwater elevation corrected due to presence of free product; correction factor [(TOC-DTW)+(Product Thickness x 0.75)].

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

¹ Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.

² Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

³ Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

⁴ Laboratory report indicates the hydrocarbons detected did not appear to be diesel.

⁵ Laboratory has potentially identified the presence of MTBE at reportable levels in the sample collected from this well.

⁶ 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. Free product was detected in well MW-3, however, a water sample was collected and analyzed to determine if the product was predominantly hydrocarbon based.

⁷ Laboratory report indicates unidentified hydrocarbons C9-C24.

⁸ Detection limit raised - Refer to analytical reports.

⁹ Laboratory report indicates unidentified hydrocarbons C6-C12.

¹⁰ Purged additional 100 gallons from well after sampling.

¹¹ Laboratory report indicates unidentified hydrocarbons < C14.

¹² Christy box for this well was damaged during tank removal and soil excavation at the site; therefore, GWE could not be accurately determined.

¹³ Laboratory report indicates a non diesel mix < C17.

¹⁴ Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.

¹⁵ Laboratory report indicates unidentified hydrocarbons < C20.

¹⁶ MTBE by EPA Method 8260.

¹⁷ Laboratory report indicates discrete peaks.

¹⁸ Laboratory report indicates unidentified hydrocarbons < C16.



Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Notes and Definitions

#	Note
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
Recov.	Recovery
RPD	Relative Percent Difference





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0A26057		Date Prepared: 1/26/00			Extraction Method: EPA 3520B					
Blank		0A26057-BLK1								
Diesel Range Hydrocarbons	1/29/00			ND	mg/l	0.0500				
Surrogate: <i>n</i> -Pentacosane	"	0.100		0.103	"	50-150	103			
LCS		0A26057-BS1								
Diesel Range Hydrocarbons	1/29/00	1.00		0.907	mg/l	60-140	90.7			
Surrogate: <i>n</i> -Pentacosane	"	0.100		0.107	"	50-150	107			
LCS Dup		0A26057-BSD1								
Diesel Range Hydrocarbons	1/29/00	1.00		0.905	mg/l	60-140	90.5	50	0.221	
Surrogate: <i>n</i> -Pentacosane	"	0.100		0.114	"	50-150	114			





Gettler-Ryan/Geostrategies(1)	Project: Unocal(1)	Sampled: 1/18/00
6747 Sierra Court, Suite D	Project Number: Unocal SS# 2512	Received: 1/18/00
Dublin, CA 94568	Project Manager: Deanna Harding	Reported: 2/1/00

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup	0010103-MSD1	L001088-01								
Chlorobenzene	1/20/00	10.0	ND	8.15	ug/l	60.0-140	81.5	25.0	7.91	
1,1-Dichloroethene	"	10.0	ND	8.62	"	60.0-140	86.2	25.0	1.99	
Trichloroethene	"	10.0	ND	9.31	"	60.0-140	93.1	25.0	9.68	
Surrogate: 1-Chloro-2-fluorobenzene	"	10.0		9.65	"	70.0-130	96.5			





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date	Spike	Sample	QC	Units	Reporting Limit	Recov.	RPD	RPD	Notes*
	Analyzed	Level	Result	Result		Recov. Limits	%	Limit	%	
Blank (continued)	0010103-BLK3									
1,2-Dichloroethane	1/21/00			ND	ug/l	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,2,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	"	10.0		11.2	"	70.0-130	112			
LCS	0010103-BS1									
Chlorobenzene	1/19/00	10.0		8.04	ug/l	70.0-130	80.4			
1,1-Dichloroethene	"	10.0		9.10	"	65.0-135	91.0			
Trichloroethene	"	10.0		8.69	"	70.0-130	86.9			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	"	10.0		8.31	"	70.0-130	83.1			
LCS	0010103-BS2									
Chlorobenzene	1/20/00	10.0		9.55	ug/l	70.0-130	95.5			
1,1-Dichloroethene	"	10.0		9.99	"	65.0-135	99.9			
Trichloroethene	"	10.0		10.3	"	70.0-130	103			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	"	10.0		11.0	"	70.0-130	110			
LCS	0010103-BS3									
Chlorobenzene	1/21/00	10.0		10.1	ug/l	70.0-130	101			
1,1-Dichloroethene	"	10.0		10.2	"	65.0-135	102			
Trichloroethene	"	10.0		10.6	"	70.0-130	106			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	"	10.0		11.2	"	70.0-130	112			
Matrix Spike	0010103-MS1		L001088-01							
Chlorobenzene	1/20/00	10.0	ND	7.53	ug/l	60.0-140	75.3			
1,1-Dichloroethene	"	10.0	ND	8.45	"	60.0-140	84.5			
Trichloroethene	"	10.0	ND	8.45	"	60.0-140	84.5			
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	"	10.0		9.79	"	70.0-130	97.9			





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	0010103-BLK2									
2-Chloroethylvinyl ether	1/20/00			ND	ug/l	1.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				
1,2-Dichloroethane	"			ND	"	0.500				
1,1-Dichloroethene	"			ND	"	0.500				
cis-1,2-Dichloroethene	"			ND	"	0.500				
trans-1,2-Dichloroethene	"			ND	"	0.500				
1,2-Dichloropropane	"			ND	"	0.500				
cis-1,3-Dichloropropene	"			ND	"	0.500				
trans-1,3-Dichloropropene	"			ND	"	0.500				
Methylene chloride	"			ND	"	5.00				
1,1,1,2-Tetrachloroethane	"			ND	"	0.500				
Tetrachloroethene	"			ND	"	0.500				
1,1,1-Trichloroethane	"			ND	"	0.500				
1,1,2-Trichloroethane	"			ND	"	0.500				
Trichloroethene	"			ND	"	0.500				
Trichlorofluoromethane	"			ND	"	0.500				
Vinyl chloride	"			ND	"	0.500				
<i>Surrogate: 1-Chloro-2-fluorobenzene</i>	"	10.0		11.0	"	70.0-130	110			

Blank	0010103-BLK3									
Freon 113	1/21/00			ND	ug/l	1.00				
Bromodichloromethane	"			ND	"	0.500				
Bromoform	"			ND	"	0.500				
Bromomethane	"			ND	"	1.00				
Carbon tetrachloride	"			ND	"	0.500				
Chlorobenzene	"			ND	"	0.500				
Chloroethane	"			ND	"	1.00				
1,2-Dichloroethylvinyl ether	"			ND	"	1.00				
Chloroform	"			ND	"	0.500				
Chloromethane	"			ND	"	1.00				
Dibromochloromethane	"			ND	"	0.500				
1,3-Dichlorobenzene	"			ND	"	0.500				
1,4-Dichlorobenzene	"			ND	"	0.500				
1,2-Dichlorobenzene	"			ND	"	0.500				
1,1-Dichloroethane	"			ND	"	0.500				





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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Batch: 0010103		Date Prepared: 1/19/00			Extraction Method: EPA 5030B (P/T)					
Blank										
0010103-BLK1										
Freon 113	1/19/00			ND	ug/l					1.00
Bromodichloromethane	"			ND	"					0.500
Bromoform	"			ND	"					0.500
Bromomethane	"			ND	"					1.00
Carbon tetrachloride	"			ND	"					0.500
Chlorobenzene	"			ND	"					0.500
Chloroethane	"			ND	"					1.00
2-Chloroethylvinyl ether	"			ND	"					1.00
Chloroform	"			ND	"					0.500
Chloromethane	"			ND	"					1.00
Dibromochloromethane	"			ND	"					0.500
1,3-Dichlorobenzene	"			ND	"					0.500
1,4-Dichlorobenzene	"			ND	"					0.500
1,2-Dichlorobenzene	"			ND	"					0.500
1,1-Dichloroethane	"			ND	"					0.500
1,2-Dichloroethane	"			ND	"					0.500
1,1-Dichloroethene	"			ND	"					0.500
cis-1,2-Dichloroethene	"			ND	"					0.500
trans-1,2-Dichloroethene	"			ND	"					0.500
1,2-Dichloropropane	"			ND	"					0.500
cis-1,3-Dichloropropene	"			ND	"					0.500
trans-1,3-Dichloropropene	"			ND	"					0.500
Methylene chloride	"			ND	"					5.00
1,1,2,2-Tetrachloroethane	"			ND	"					0.500
Tetrachloroethene	"			ND	"					0.500
1,1,1-Trichloroethane	"			ND	"					0.500
1,1,2-Trichloroethane	"			ND	"					0.500
Trichloroethene	"			ND	"					0.500
Trichlorofluoromethane	"			ND	"					0.500
Vinyl chloride	"			ND	"					0.500
Surrogate: 1-Chloro-2-fluorobenzene	"	10.0		8.85	"	70.0-130				88.5

Blank										
0010103-BLK2										
Freon 113	1/20/00			ND	ug/l					1.00
Bromodichloromethane	"			ND	"					0.500
Bromoform	"			ND	"					0.500
Bromomethane	"			ND	"					1.00
Carbon tetrachloride	"			ND	"					0.500
Chlorobenzene	"			ND	"					0.500
Chloroethane	"			ND	"					1.00





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)										
	0010126-BS1									
Ethylbenzene	1/25/00	10.0		10.4	ug/l	70.0-130	104			
Xylenes (total)	"	30.0		31.2	"	70.0-130	104			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.86	"	70.0-130	98.6			
LCS										
	0010126-BS2									
Purgeable Hydrocarbons as Gasoline	1/25/00	250		238	ug/l	70.0-130	95.2			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.6	"	70.0-130	106			
Matrix Spike										
	0010126-MS1		L001181-11							
Benzene	1/25/00	10.0	ND	10.4	ug/l	60.0-140	104			
Toluene	"	10.0	ND	9.99	"	60.0-140	99.9			
Ethylbenzene	"	10.0	ND	9.99	"	60.0-140	99.9			
Xylenes (total)	"	30.0	ND	29.6	"	60.0-140	98.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.84	"	70.0-130	88.4			
Matrix Spike Dup										
	0010126-MSD1		L001181-11							
Benzene	1/25/00	10.0	ND	9.77	ug/l	60.0-140	97.7	25.0	6.25	
Toluene	"	10.0	ND	9.51	"	60.0-140	95.1	25.0	4.92	
Ethylbenzene	"	10.0	ND	9.35	"	60.0-140	93.5	25.0	6.62	
Xylenes (total)	"	30.0	ND	28.1	"	60.0-140	93.7	25.0	5.20	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.01	"	70.0-130	90.1			





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0010116		Date Prepared: 1/24/00			Extraction Method: EPA 5030B [P/T]					
Blank		0010116-BLK1								
Purgeable Hydrocarbons as Gasoline	1/24/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.09	"	70.0-130	80.9			
LCS		0010116-BS1								
Benzene	1/24/00	10.0		8.68	ug/l	70.0-130	86.8			
Toluene	"	10.0		8.15	"	70.0-130	81.5			
Ethylbenzene	"	10.0		8.27	"	70.0-130	82.7			
Xylenes (total)	"	30.0		25.1	"	70.0-130	83.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.33	"	70.0-130	83.3			
LCS		0010116-BS2								
Purgeable Hydrocarbons as Gasoline	1/24/00	250		207	ug/l	70.0-130	82.8			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.03	"	70.0-130	80.3			
Matrix Spike		0010116-MS1		L001122-03						
Purgeable Hydrocarbons as Gasoline	1/24/00	250	ND	222	ug/l	60.0-140	88.8			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.70	"	70.0-130	97.0			
Matrix Spike Dup		0010116-MSD1		L001122-03						
Purgeable Hydrocarbons as Gasoline	1/24/00	250	ND	190	ug/l	60.0-140	76.0	25.0	15.5	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.62	"	70.0-130	96.2			
Batch: 0010126		Date Prepared: 1/25/00			Extraction Method: EPA 5030B [P/T]					
Blank		0010126-BLK1								
Purgeable Hydrocarbons as Gasoline	1/25/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.42	"	70.0-130	94.2			
LCS		0010126-BS1								
Benzene	1/25/00	10.0		10.9	ug/l	70.0-130	109			
Toluene	"	10.0		10.5	"	70.0-130	105			





Gentler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Sample Description: MW-9
Laboratory Sample Number: L001145-05

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	0010116	1/24/00	1/25/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		98.4	%	

Volatile Organic Compounds by EPA Method 8010B

Freon 113	0010103	1/21/00	1/21/00		2.00	ND	ug/l	
Bromodichloromethane	"	"	"		1.00	ND	"	
Bromoform	"	"	"		1.00	ND	"	
Bromomethane	"	"	"		2.00	ND	"	
Carbon tetrachloride	"	"	"		1.00	ND	"	
Chlorobenzene	"	"	"		1.00	ND	"	
Chloroethane	"	"	"		2.00	ND	"	
2-Chloroethylvinyl ether	"	"	"		2.00	ND	"	
Chloroform	"	"	"		1.00	51.9	"	
Chloromethane	"	"	"		2.00	ND	"	
Dibromochloromethane	"	"	"		1.00	ND	"	
1,3-Dichlorobenzene	"	"	"		1.00	ND	"	
1,4-Dichlorobenzene	"	"	"		1.00	ND	"	
1,2-Dichlorobenzene	"	"	"		1.00	ND	"	
1,1-Dichloroethane	"	"	"		1.00	ND	"	
1,2-Dichloroethane	"	"	"		1.00	ND	"	
1,1-Dichloroethene	"	"	"		1.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.00	ND	"	
1,2-Dichloropropane	"	"	"		1.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.00	ND	"	
Methylene chloride	"	"	"		10.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.00	ND	"	
Tetrachloroethene	"	"	"		1.00	ND	"	
1,1,1-Trichloroethane	"	"	"		1.00	ND	"	
1,1,2-Trichloroethane	"	"	"		1.00	ND	"	
Trichloroethene	"	"	"		1.00	ND	"	
Trichlorofluoromethane	"	"	"		1.00	ND	"	
Vinyl chloride	"	"	"		1.00	ND	"	
Surrogate: <i>1-Chloro-2-fluorobenzene</i>	"	"	"	70.0-130		109	%	





Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Sample Description: MW-8
Laboratory Sample Number: L001145-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	0010116	1/24/00	1/25/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		98.9	%	

Volatile Organic Compounds by EPA Method 8010B

Freon 113	0010103	1/21/00	1/21/00		2.50	ND	ug/l	
Bromodichloromethane	"	"	"		1.25	ND	"	
Bromoform	"	"	"		1.25	ND	"	
Bromomethane	"	"	"		2.50	ND	"	
Carbon tetrachloride	"	"	"		1.25	ND	"	
Chlorobenzene	"	"	"		2.50	ND	"	
Chloroethane	"	"	"		2.50	ND	"	
2-Chloroethylvinyl ether	"	"	"		1.25	52.9	"	
Chloroform	"	"	"		2.50	ND	"	
Chloromethane	"	"	"		1.25	ND	"	
Dibromochloromethane	"	"	"		1.25	ND	"	
1,3-Dichlorobenzene	"	"	"		1.25	ND	"	
1,4-Dichlorobenzene	"	"	"		1.25	ND	"	
1,2-Dichlorobenzene	"	"	"		1.25	ND	"	
1,1-Dichloroethane	"	"	"		1.25	ND	"	
1,2-Dichloroethane	"	"	"		1.25	ND	"	
1,1-Dichloroethene	"	"	"		1.25	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.25	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.25	ND	"	
1,2-Dichloropropane	"	"	"		1.25	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.25	ND	"	
trans-1,3-Dichloropropene	"	"	"		12.5	ND	"	
Methylene chloride	"	"	"		1.25	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		1.25	ND	"	
Tetrachloroethene	"	"	"		1.25	ND	"	
1,1,1-Trichloroethane	"	"	"		1.25	ND	"	
1,1,2-Trichloroethane	"	"	"		1.25	ND	"	
Trichloroethene	"	"	"		1.25	ND	"	
Trichlorofluoromethane	"	"	"		1.25	ND	"	
Vinyl chloride	"	"	"		1.25	ND	"	
Surrogate: <i>1-Chloro-2-fluorobenzene</i>	"	"	"	70.0-130		119	%	





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Sample Description: MW-7
Laboratory Sample Number: L001145-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	0010126	1/25/00	1/25/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	6.10	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		79.9	%	

Volatile Organic Compounds by EPA Method 8010B

Freon 113	0010103	1/20/00	1/21/00		2.50	ND	ug/l	
Bromodichloromethane	"	"	"		1.25	4.78	"	
Bromoform	"	"	"		1.25	ND	"	
Bromomethane	"	"	"		2.50	ND	"	
Carbon tetrachloride	"	"	"		1.25	ND	"	
Chlorobenzene	"	"	"		1.25	ND	"	
Chloroethane	"	"	"		2.50	ND	"	
2-Chloroethylvinyl ether	"	"	"		2.50	ND	"	
Chloroform	"	"	"		1.25	52.8	"	
Chloromethane	"	"	"		2.50	ND	"	
Dibromochloromethane	"	"	"		1.25	ND	"	
1,3-Dichlorobenzene	"	"	"		1.25	ND	"	
1,4-Dichlorobenzene	"	"	"		1.25	ND	"	
1,2-Dichlorobenzene	"	"	"		1.25	ND	"	
1,1-Dichloroethane	"	"	"		1.25	ND	"	
1,2-Dichloroethane	"	"	"		1.25	ND	"	
1,1-Dichloroethene	"	"	"		1.25	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.25	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.25	ND	"	
1,2-Dichloropropane	"	"	"		1.25	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.25	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.25	ND	"	
Methylene chloride	"	"	"		12.5	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.25	ND	"	
Tetrachloroethene	"	"	"		1.25	ND	"	
1,1,1-Trichloroethane	"	"	"		1.25	ND	"	
1,1,2-Trichloroethane	"	"	"		1.25	ND	"	
Trichloroethene	"	"	"		1.25	ND	"	
Trichlorofluoromethane	"	"	"		1.25	ND	"	
Vinyl chloride	"	"	"		1.25	ND	"	
Surrogate: <i>1-Chloro-2-fluorobenzene</i>	"	"	"	70.0-130		104	%	





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Sample Description: MW-3
Laboratory Sample Number: L001145-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>Diesel Hydrocarbons (C9-C24) by DHS LUFT</u>								
Diesel Range Hydrocarbons	0A26057	1/26/00	1/29/00	DHS LUFT	50.0	ND	ug/l	
Surrogate: n-Pentacosane	"	"	"	50-150		108	%	





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Sample Description: MW-3
Laboratory Sample Number: L001145-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	0010126	1/25/00	1/25/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	135	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		78.9	%	

Volatile Organic Compounds by EPA Method 8010B

Freon 113	0010103	1/20/00	1/21/00		2.00	ND	ug/l	
Bromodichloromethane	"	"	"		1.00	3.79	"	
Bromoform	"	"	"		1.00	ND	"	
Bromomethane	"	"	"		2.00	ND	"	
Carbon tetrachloride	"	"	"		1.00	ND	"	
Chlorobenzene	"	"	"		1.00	ND	"	
Chloroethane	"	"	"		2.00	ND	"	
2-Chloroethylvinyl ether	"	"	"		2.00	ND	"	
Chloroform	"	"	"		1.00	40.3	"	
Chloromethane	"	"	"		2.00	ND	"	
Dibromochloromethane	"	"	"		1.00	ND	"	
1,3-Dichlorobenzene	"	"	"		1.00	ND	"	
1,4-Dichlorobenzene	"	"	"		1.00	ND	"	
1,2-Dichlorobenzene	"	"	"		1.00	ND	"	
1,1-Dichloroethane	"	"	"		1.00	ND	"	
1,2-Dichloroethane	"	"	"		1.00	ND	"	
1,1-Dichloroethene	"	"	"		1.00	ND	"	
cis-1,2-Dichloroethene	"	"	"		1.00	ND	"	
trans-1,2-Dichloroethene	"	"	"		1.00	ND	"	
1,2-Dichloropropane	"	"	"		1.00	ND	"	
cis-1,3-Dichloropropene	"	"	"		1.00	ND	"	
trans-1,3-Dichloropropene	"	"	"		1.00	ND	"	
Methylene chloride	"	"	"		10.0	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		1.00	ND	"	
Tetrachloroethene	"	"	"		1.00	ND	"	
1,1,1-Trichloroethane	"	"	"		1.00	ND	"	
1,1,2-Trichloroethane	"	"	"		1.00	ND	"	
Trichloroethene	"	"	"		1.00	ND	"	
Trichlorofluoromethane	"	"	"		1.00	ND	"	
Vinyl chloride	"	"	"		1.00	ND	"	
Surrogate: 1-Chloro-2-fluorobenzene	"	"	"	70.0-130		114	%	





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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Sample Description: TB-LB
Laboratory Sample Number: L001145-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

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

Purgeable Hydrocarbons as Gasoline	0010116	1/24/00	1/25/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		102	%	





Gettler-Ryan/Geostrategies(1) 6747 Sierra Court, Suite D Dublin, CA 94568	Project: Unocal(1) Project Number: Unocal SS# 2512 Project Manager: Deanna Harding	Sampled: 1/18/00 Received: 1/18/00 Reported: 2/1/00
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ANALYTICAL REPORT FOR L001145

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L001145-01	Water	1/18/00
MW-3	L001145-02	Water	1/18/00
MW-7	L001145-03	Water	1/18/00
MW-8	L001145-04	Water	1/18/00
MW-9	L001145-05	Water	1/18/00





Sequoia
Analytical

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RECEIVED

FEB 02 2000

February 1, 2000

GETTLER-RYAN INC.
GENERAL CONTRACTORS

Deanna Harding
Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite D
Dublin, CA 94568

RE: Unocal(1)/L001145

Dear Deanna Harding:

Enclosed are the results of analyses for sample(s) received by the laboratory on January 18, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360



Consultant Company: Gettler-Ryan Inc. L001145 Project Name: Former Unocal SS# 2512
 Address: 6747 Sierra Ct. Suite J UNOCAL Project Manager: Mr. Bob Boust KWB
 City: Dublin State: CA Zip Code: 94568 AFE #:
 Telephone: (925) 551-7555 FAX #: (925) 551-7899 Site #, City, State: 1300 Davis St. San Leandro
 Report To: Deanne Harding Sampler: Joe Ajemian QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Work Days 5 Work Days 3 Work Days
 Time: 2 Work Days 1 Work Day 2-8 Hours
 CODE: Misc. Detect. Eval. Remed. Demol. Closure

Drinking Water
 Waste Water
 Other
Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	Analyses Requested										Comments		
						TPH6,8,TEX,M,19E	TPHD	TOG	8010									
1. TB-LB	1-18-00	W	1	VOA		✓												
2. MW-3	" 9:37	"	5 VOA 1 Rmb	VOA		✓	✓		✓									Please don't bill TB-LB analyses.
3. MW-7	" 7:46	"	5 VOA	"		✓			✓									
4. MW-8	" 8:00	"	"	"		✓			✓									
5. MW-9	" 8:55	"	"	"		✓			✓									
6.																		
7.																		
8.																		
9.																		
10.																		

Relinquished By: <u>Joe Ajemian</u>	Date: <u>1-18-00</u>	Time: <u>1:30</u>	Received By: <u>Kevin Com</u>	Date: <u>1/18/00</u>	Time: <u>13:30</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By Lab: _____	Date: _____	Time: _____

Are Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____
 Completed upon receipt of report: _____
 Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 Was report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Signature: _____ Company: _____ Date: _____

Pink - Client

Yellow - Laboratory

White - Laboratory

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility #2512 Job#: 280036
 Address: 1300 Davis St. Date: 1-18-00
 City: San Leandro Sampler: Joe

Well ID MW-9 Well Condition: o.k.
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 8 (feet) (product/water): 0 (Gallons)
 Total Depth 30.00 ft.
 Depth to Water 14.25 ft.

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

$15.75 \times VF\ 0.17 = 2.68 \times 3$ (case volume) = Estimated Purge Volume: 8 (gal.)

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

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

Starting Time: 8:30 Weather Conditions: rain
 Sampling Time: 8:55 AM Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:40	2.5	7.27	8.66	70.0			
8:42	5	7.35	9.35	69.2			
8:43	8	7.41	9.38	69.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 Vol	Y	40C	SEQUOIA	TPH(GI)/bTEX/mtbe
	2 Vol		"	"	8010

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility: #2512 Job#: 280036
 Address: 1300 Davis St. Date: 1-18-00
 City: San Leandro 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: 29.90 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66
 Depth to Water: 14.67 ft. Factor (VF) 6" = 1.50 12" = 5.80

15.23 x VF 0.17 = 2.59 x 3 (case volume) = Estimated Purge Volume: 8 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, ~~Suction~~, Grundfos, Other: _____
 Sampling Equipment: ~~Disposable Bailer~~, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 8:20 a.m. Weather Conditions: clear
 Sampling Time: 8:20 Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm } ^\circ\text{K}$	Temperature $^\circ\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>8:05</u>	<u>3</u>	<u>7.69</u>	<u>10.22</u>	<u>69.8</u>			
<u>8:07</u>	<u>5</u>	<u>7.46</u>	<u>10.25</u>	<u>70.2</u>			
<u>8:08 -</u>	<u>8</u>	<u>7.47</u>	<u>10.30</u>	<u>69.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>340A</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
	<u>240A</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>8010</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/Facility # 2512 Job#: 280036
 Address: 1300 Davis st. Date: 1-18-00
 City: San Leandro Sampler: Joe

Well ID MW-7 Well Condition: 0/c
 Well Diameter 2 in. Hydrocarbon Amount Bailed
 Thickness: 0 (feet) (product/water): 0 (Gallons)
 Total Depth 29.70 ft.
 Depth to Water 12.38 ft.

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

17.32 X VF 0.17 = 2.94 X 3 (case volume) = Estimated Purge Volume: 9 (gal.)

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

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

Starting Time: 7:21 Weather Conditions: fair
 Sampling Time: 7:46 AM Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm}$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>7:33</u>	<u>3</u>	<u>7.60</u>	<u>8.85</u>	<u>69.3</u>			
<u>7:35</u>	<u>6</u>	<u>7.62</u>	<u>8.78</u>	<u>69.5</u>			
<u>7:36</u>	<u>9</u>	<u>7.52</u>	<u>8.79</u>	<u>69.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 VO A</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
	<u>2 VO A</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>8010</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ Facility #2512 Job#: 280036
 Address: 1300 Davis St. Date: 1-18-00
 City: San Leandro Sampler: Joe

Well ID MW-3 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
 Total Depth 32.20 ft.
 Depth to Water 13.05 ft.

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

19.15 X VF 0.17 = 3.26 X 3 (case volume) = Estimated Purge Volume: 10 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, ~~Suction~~, Grundfos, Other: _____
 Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 9:17 Weather Conditions: rain
 Sampling Time: 9:37 A.M. Water Color: clear Odor: Some
 Purging Flow Rate: 1 gpm. Sediment Description: none
 Did well de-water? _____ If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 10^3$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>9:25</u>	<u>3</u>	<u>7.51</u>	<u>4.92</u>	<u>69.6</u>			
<u>9:27</u>	<u>7</u>	<u>7.33</u>	<u>4.55</u>	<u>69.5</u>			
<u>9:28</u>	<u>10</u>	<u>7.38</u>	<u>4.45</u>	<u>69.3</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3 VOA</u>	<u>Y</u>	<u>HCC</u>	<u>SEQUOIA</u>	<u>TPH(GI)/btex/mtbe</u>
<u>"</u>	<u>2 VOA</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>8012</u>
<u>"</u>	<u>1 AML</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>TPHD</u>

COMMENTS: _____

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 Unocal Corporation, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

Table 2
Groundwater Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID	Date	PCE (ppb)	1,1-DCA (ppb)	1,1,1-TCA (ppb)	Chloro- methane (ppb)	1,1-DCE (ppb)	1,2-DCB (ppb)	TCE (ppb)
MW-1	04/25/89	3.3	ND	ND	ND	ND	ND	0.55
	11/06/90	4.8	ND	ND	ND	ND	ND	ND
	05/24/91	4.6	ND	ND	ND	ND	ND	ND
	06/09/94	1.0	ND	ND	ND	ND	ND	ND
	09/08/94	1.2	ND	ND	ND	ND	ND	ND
	01/25/95	DESTROYED	--	--	--	--	--	--
MW-2	04/25/89	0.68	ND	ND	ND	ND	ND	ND
	11/06/90	ND	ND	ND	ND	ND	ND	ND
	05/24/91	ND	ND	ND	ND	ND	ND	ND
	08/15/91	ND	ND	ND	ND	ND	ND	ND
	11/19/91	ND	ND	ND	ND	ND	ND	ND
	02/27/92	ND	ND	ND	ND	ND	ND	ND
	05/26/92	ND	ND	ND	ND	ND	ND	ND
	10/30/92	ND	ND	ND	ND	ND	ND	ND
	06/09/94	ND	ND	ND	ND	ND	ND	ND
	09/08/94	ND	ND	ND	ND	ND	ND	ND
01/25/95	DESTROYED	--	--	--	--	--	--	
MW-3	04/25/89	1.0	ND	ND	ND	ND	ND	ND
	11/06/90	ND	ND	ND	ND	ND	ND	ND
	05/24/91	ND	ND	ND	ND	ND	ND	ND
	08/15/91	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--	--	--
	11/19/91	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--	--	--
	02/27/92	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--	--	--
	05/26/92	ND	ND	ND	ND	ND	ND	ND
	10/30/92	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--	--	--
	06/09/94	ND	ND	ND	ND	ND	ND	ND
	09/08/94	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				--	--	--
	10/21/95	ND	ND	ND	ND	ND	ND	ND
	01/24/96	ND	ND	ND	ND	ND	ND	ND
	04/23/96	ND	ND	ND	ND	ND	ND	ND
07/25/96	ND	ND	ND	ND	ND	ND	ND	

Table 2
Groundwater Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID	Date	PCE (ppb)	1,1-DCA (ppb)	1,1,1-TCA (ppb)	Chloro- methane (ppb)	1,1-DCE (ppb)	1,2-DCB (ppb)	TCE (ppb)
MW-3 (cont)	10/25/96	ND	ND	ND	ND	ND	ND	ND
	01/28/97	ND	ND	ND	ND	ND	ND	ND
	04/16/97	ND	ND	ND	ND	ND	ND	ND
	07/21/97	ND	ND	ND	ND	ND	ND	ND
	10/20/97	ND	ND	ND	ND	ND	ND	ND
	01/21/98	ND	ND	ND	ND	ND	ND	ND
	04/17/98	ND	ND	ND	ND	ND	ND	ND
	07/14/98	0.55	ND	ND	ND	ND	ND	ND
	10/12/98	0.51	ND	ND	ND	ND	ND	ND
	01/19/99	ND	ND	ND	ND	ND	ND	ND
	04/07/99	0.54	ND	ND	ND	ND	ND	ND
	07/12/99	ND	ND	ND	ND	ND	ND	ND
	10/25/99 ⁵	ND	ND	ND	ND	ND	ND	ND
	01/18/00 ¹⁰	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴
MW-4	11/06/90	2.9	ND	ND	ND	ND	ND	ND
	05/24/91	4.1	2.5	3.9	ND	ND	ND	ND
	08/15/91	3.6	ND	ND	ND	ND	ND	ND
	11/19/91	3.4	ND	ND	ND	ND	ND	ND
	02/27/92	3.5	6	ND	ND	ND	ND	ND
	05/26/92	2.4	13	3.5	ND	0.83	ND	ND
	10/30/92	INACCESSIBLE	--	--	--	--	--	--
	06/09/94	2.8	8.8	0.83	ND	0.51	ND	0.70
	09/08/94 ¹	1.8	ND	ND	ND	ND	ND	0.60
	01/25/95	DESTROYED	--	--	--	--	--	--
MW-5	11/06/90	0.7	ND	ND	ND	ND	ND	ND
	05/24/91	0.89	ND	ND	ND	ND	ND	ND
	06/09/94	INACCESSIBLE	--	--	--	--	--	--
	09/08/94	INACCESSIBLE	--	--	--	--	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--

Table 2
Groundwater Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID	Date	PCE (ppb)	1,1-DCA (ppb)	1,1,1-TCA (ppb)	Chloro- methane (ppb)	1,1-DCE (ppb)	1,2-DCB (ppb)	TCE (ppb)
MW-6	11/06/90	1.2	ND	ND	ND	ND	ND	ND
	05/24/91	0.88	ND	ND	5.6	ND	ND	ND
	08/15/91	1.2	ND	ND	ND	ND	ND	ND
	11/19/91	1.3	ND	ND	ND	ND	ND	ND
	02/27/92	1.5	ND	ND	ND	ND	1.6	ND
	05/26/92	1.1	ND	ND	ND	ND	1.7	ND
	10/30/92	1.2	ND	ND	ND	ND	ND	ND
	06/09/94	INACCESSIBLE	--	--	--	--	--	--
	09/08/94	INACCESSIBLE	--	--	--	--	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--
MW-7	02/27/92	2.4	ND	ND	ND	ND	ND	ND
	05/26/92	2.2	ND	ND	ND	ND	ND	ND
	10/30/92	2.2	ND	ND	ND	ND	ND	ND
	06/09/94	0.67	ND	ND	ND	ND	ND	ND
	09/08/94	0.76	ND	ND	ND	ND	ND	ND
	10/21/95	ND	ND	ND	ND	ND	ND	ND
	01/24/96	1.2	ND	ND	ND	ND	ND	ND
	04/23/96	0.84	ND	ND	ND	ND	ND	ND
	07/25/96	1.7	ND	ND	ND	ND	ND	ND
	10/25/96 ³	1.2	ND	ND	ND	ND	ND	ND
	01/28/97	1.4	ND	ND	ND	ND	ND	ND
	04/19/97	0.75	ND	ND	ND	ND	ND	ND
	07/21/97	1.5	ND	ND	ND	ND	ND	ND
	10/20/97	1.5	ND	ND	ND	ND	ND	ND
	01/21/98	1.2	ND	ND	ND	ND	ND	ND
	04/17/98	0.76	ND	ND	ND	ND	ND	ND
	07/14/98	1.4	ND	ND	ND	ND	ND	ND
	10/12/98	1.4	ND	ND	ND	ND	ND	ND
	01/19/99	1.3	ND	ND	ND	ND	ND	ND
	04/07/99 ³	1.6	ND	ND	ND	ND	ND	ND

Table 2
Groundwater Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID	Date	PCE (ppb)	1,1-DCA (ppb)	1,1,1-TCA (ppb)	Chloro- methane (ppb)	1,1-DCE (ppb)	1,2-DCB (ppb)	TCE (ppb)
MW 7 (cont)	07/12/99	1.1	ND	ND	ND	ND	ND	ND
	10/25/99	3.1 ⁶	ND	ND	ND	ND	ND	ND
	01/18/00 ¹¹	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴
MW-8	10/21/95	ND	ND	ND	ND	ND	ND	ND
	01/24/96	0.74	ND	ND	ND	ND	ND	ND
	04/23/96	1.1	ND	ND	ND	ND	ND	ND
	07/25/96	1.1	ND	ND	ND	ND	ND	ND
	10/25/96	0.90	ND	ND	ND	ND	ND	ND
	01/28/97	0.96	ND	ND	ND	ND	ND	ND
	04/16/97	0.51	ND	ND	ND	ND	ND	ND
	07/21/97	ND	ND	ND	ND	ND	ND	ND
	10/20/97	1.1	ND	ND	ND	ND	ND	ND
	01/21/98	0.77	ND	ND	ND	ND	ND	ND
	04/17/98	ND	ND	ND	ND	ND	ND	ND
	07/14/98	1.3	ND	ND	ND	ND	ND	ND
	10/12/98	1.5	ND	ND	ND	ND	ND	ND
	01/19/99	0.71	ND	ND	ND	ND	ND	ND
	04/07/99 ⁴	1.0	ND	ND	ND	ND	ND	ND
	07/12/99	0.66	ND	ND	ND	ND	ND	ND
10/25/99 ⁷	1.5 ⁶	ND	ND	ND	ND	ND	ND	
01/18/00 ¹²	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	
MW-9	10/21/95	17	1.0	ND	ND	ND	ND	ND
	01/24/96	17	2.2	ND	ND	ND	ND	0.64
	04/23/96	71	ND	ND	ND	ND	ND	ND
	07/25/96	1.0	ND	ND	ND	ND	ND	ND
	10/25/96	80	ND	ND	ND	ND	ND	ND
	01/28/97	39	ND	ND	ND	ND	ND	ND
	04/16/97	0.51	ND	ND	ND	ND	ND	ND
	07/21/97	7.5	ND	ND	ND	ND	ND	ND
10/20/97	47	ND	ND	ND	ND	ND	ND	

Table 2
Groundwater Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID	Date	PCE (ppb)	1,1-DCA (ppb)	1,1,1-TCA (ppb)	Chloro- methane (ppb)	1,1-DCE (ppb)	1,2-DCB (ppb)	TCE (ppb)
MW-9	01/21/98	22	0.73	ND	ND	ND	ND	0.50
(cont)	04/17/98	120	ND	ND	ND	ND	ND	ND
	07/14/98	110	ND	ND	ND	ND	ND	0.72
	10/12/98	46	ND	ND	ND	ND	ND	ND
	01/19/99	38	0.72	ND	ND	ND	ND	0.54
	04/07/99	41	ND	ND	ND	ND	ND	0.64
	07/12/99	26	ND	ND	ND	ND	ND	ND
	10/25/99 ⁸	23 ⁶	ND	ND	ND	ND	ND	ND
	01/18/00 ¹³	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴	ND ¹⁴

Table 2
Groundwater Analytical Results
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

EXPLANATIONS:

Groundwater analytical results prior to January 21, 1998, were compiled from reports prepared by MPDS Services, Inc.

PCE = Tetrachloroethene

1,1-DCA = 1,1-Dichloroethane

1,1,1-TCA = 1,1,1-Trichloroethane

1,1-DCE = 1,1-Dichloroethene

1,2-DCB = 1,2-Dichlorobenzene

TCE = Trichloroethene

ppb = Parts per billion

-- = Not Analyzed

ND = Not Detected

¹ 1,2-Dichloroethane (1,2-DCA) was detected at a concentration of 4.8 ppb.

² Chloroform was detected at a concentration of 1.7 ppb.

³ Chloroform was detected at a concentration of 0.68 ppb.

⁴ Chloroform was detected at a concentration of 0.53 ppb.

⁵ Laboratory report indicates Methylene chloride, which is a suspected laboratory contaminant, was detected at a concentration of 9.6 ppb.

⁶ Laboratory report indicates reanalysis by an alternate column or method has confirmed the identification and/or concentration of this result.

⁷ Laboratory report indicates Methylene chloride, which is a suspected laboratory contaminant, was detected at a concentration of 8.2 ppb.

⁸ Laboratory report indicates Methylene chloride, which is a suspected laboratory contaminant, was detected at a concentration of 7.8 ppb.

¹⁰ Bromodichloromethane was detected at a concentration of 3.79 ppb and Chloroform at 40.3 ppb.

¹¹ Bromodichloromethane was detected at a concentration of 4.78 ppb and Chloroform at 52.8 ppb.

¹² Chloroform was detected at a concentration of 52.9 ppb.

¹³ Chloroform was detected at a concentration of 51.9 ppb.

¹⁴ Detection limit raised. Refer to analytical reports.

All EPA Method 8010 constituents were ND, except as indicated.

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Unocal Service Station #2512
1300 Davis Street
San Leandro, California

Well ID	Date	Ethanol (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	EDB (ppb)	1,2-DCA (ppb)
MW-3	04/07/99	ND	ND	4.7	ND	ND	ND	ND	ND
MW-7	04/07/99	ND	ND	ND	ND	ND	ND	ND	ND
MW-8	04/07/99	ND	ND	ND	ND	ND	ND	ND	ND
MW-9	04/07/99	ND	ND	6.4	ND	ND	ND	ND	ND

EXPLANATIONS:

TBA = Tertiary Butyl Alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = Diisopropyl Ether
ETBE = Ethyl Tertiary Butyl Ether
TAME = Tertiary Amyl Methyl Ether
EDB = 1,2-Dibromoethane
1,2-DCA = 1,2-Dichloroethane
ppb = Parts per billion
ND = Not Detected

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds