GETTLER-RYAN INC.

TRANSMITTAL

December 28, 1999
G-R #:280036

TO: Mr. Robert A. Boust
Unocal Corporation
2121 N. California Blvd., Suite 250
Walnut Creek, California 94596

CC: Mr. Greg Gurss
Gettler-Ryan Inc.
Rancho Cordova, California

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

RE: Former Unocal SS #2512
1300 Davis Street
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 20, 1999	Groundwater Monitoring and Sampling Report Fourth Quarter 1999 - Event of October 25, 1999

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 ***January 10, 2000***, this report will be distributed to the following:

Enclosure

cc: Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501
City of San Leandro, Development Services, 835 E. 14th Street, San Leandro, CA 94577

agency/2512rab qmt

GETTLER-RYAN INC.

December 20, 1999
G-R Job #280036

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

RE: Fourth Quarter 1999 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 October 25, 1999, 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,

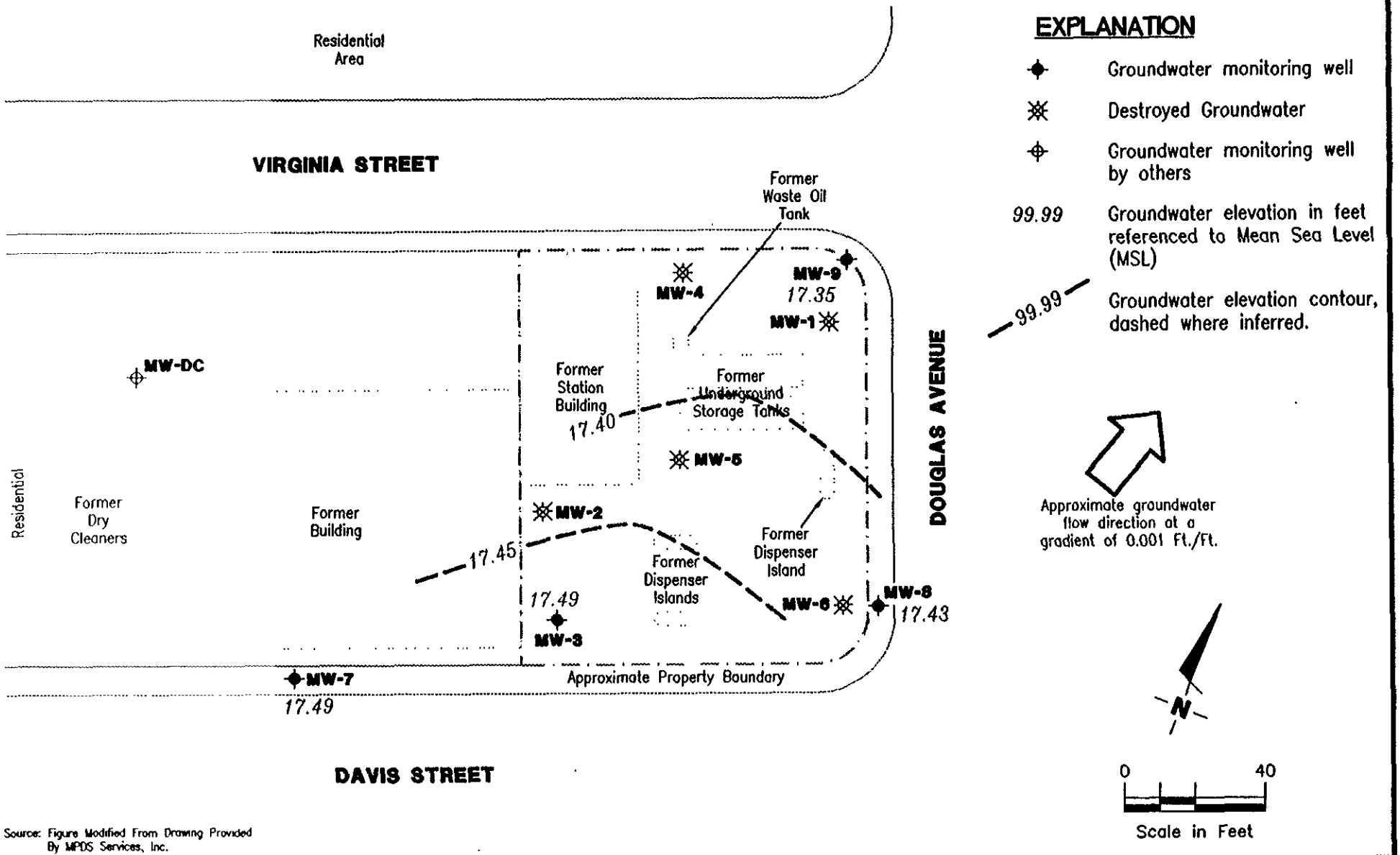
Deanna L. Harding
Project Coordinator

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: 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 qtrl



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

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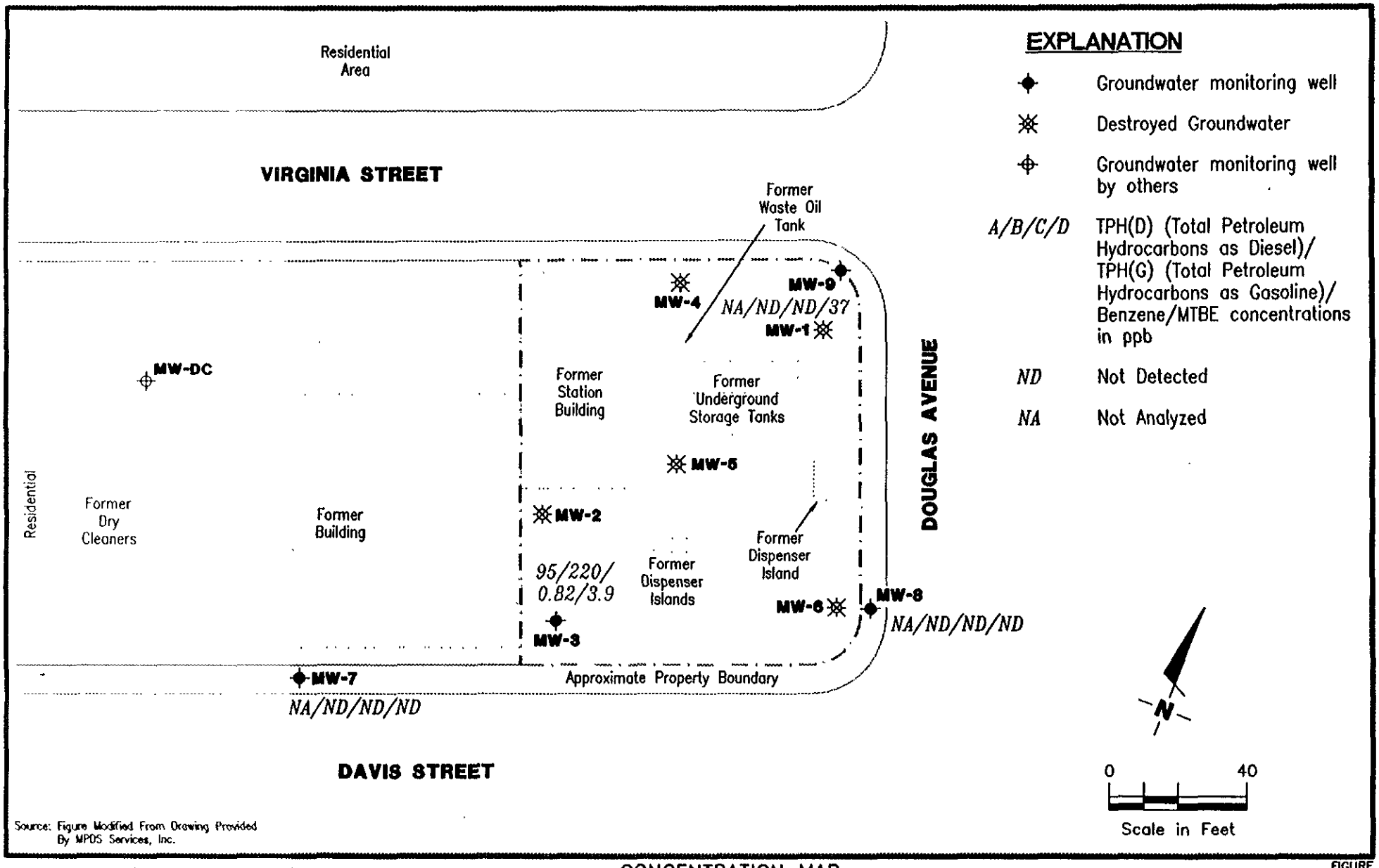
(925) 551-7555

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

FIGURE 1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
280036		October 25, 1999	



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

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Dublin, CA 94568
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CONCENTRATION MAP
Former Unocal Service Station No. 2512
1300 Davis Street
San Leandro, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
280036		October 25, 1999	

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	DESTROYED	--	--	--	--	--	--	--	--	--	--
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 (msl)	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

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-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**	--
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

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-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

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-5	06/09/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
(cont)	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	--	--	--	--	--	--	--	--

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-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**	**--**
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	--
	07/14/98	14.85	17.88	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	10/12/98	15.86	16.87	0.00	--	ND	ND	ND	ND	ND	ND	--
(cont)	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**	**--**
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	**14.98**	**17.35**	**0.00**	**--**	**ND**	**ND**	**ND**	**ND**	**ND**	**37**	**--**
Trip Blank												
TB-LB	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)
EB-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**	**--**

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

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	10/25/96	ND	ND	ND	ND	ND	ND	ND
(cont)	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**
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[2]	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
	07/12/99	1.1	ND	ND	ND	ND	ND	ND
	10/25/99	**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-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**
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**

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.

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 = Di-isopropyl 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

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.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility #2512 Job#: 280036

Address: 1300 Davis st. Date: 10-25-99

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 33.20 ft.

Depth to Water 14.53 ft.

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

18.67 X VF 0.17 = 3.17 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: 1:48 Weather Conditions: clear

Sampling Time: 2:12 P.M Water Color: clear Odor: yes

Purging Flow Rate: 1 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (mS) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:55	3.5	7.42	3.68	71.2			
1:57	7	7.20	4.01	71.6			
2:00	10	7.27	4.05	71.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	1 Amb.	"	—	"	TPHD
	2 VOA	"	HCL	"	8010

COMMENTS: _____

WELL MONITORING/SAMPLING

FIELD DATA SHEET

Client/
Facility #2512 Job#: 280036

Address: 1300 Davis st. Date: 10-25-99

City: San Leandro 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 29.70 ft.

Depth to Water 14.22 ft.

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

15.48 X VF 0.17 = 2.63 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: 11:45 Weather Conditions: clear

Sampling Time: 12:00 p.m. 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 (mS) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:50	2.5	7.55	9.62	72.1			
11:52	5	7.58	9.66	72.3			
11:54	8	7.49	9.67	72.5			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING

FIELD DATA SHEET

Client/
Facility #2512 Job#: 280036

Address: 1300 Davis st. Date: 10-25-99

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.

Depth to Water 15.30 ft.

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

14.6 X VF 0.17 = 2.48 X 3 (case volume) = Estimated Purge Volume: 7.5 (gal.)

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

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

Starting Time: 12:30 Weather Conditions: clear

Sampling Time: 12:53 P.M 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 (mS) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:40	2.5	7.50	8.65	73.1			
12:42	5	7.28	9.33	72.2			
12:43	7.5	7.38	9.37	72.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
mw-8	3 VOA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	2 VOA	"	"	"	8010

COMMENTS: _____

9/97-Addec.frm

WELL MONITORING/SAMPLING

FIELD DATA SHEET

Client/
Facility #2512 Job#: 280036

Address: 1300 Davis st. Date: 10-25-99

City: San Leandro 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 30.00 ft.

Depth to Water 14.98 ft.

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

15.02 X VF 0.17 = 2.56 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: 1:07 Weather Conditions: clear

Sampling Time: 1:30 p.m. Water Color: clear Odor: none

Purging Flow Rate: _____ gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity (mS) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:20	2.5	7.50	11.06	73.1			
1:22	5	7.40	11.02	72.7			
12:24-	8	7.39	11.11	72.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 voA	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
	2 voA	"	HCL	"	8010

COMMENTS: _____

UNOCAL 76

❑ 680 Chesapeake Drive • Redwood City, CA 94063 • (415) 364-9600
❑ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600
❑ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600
❑ 18939 120th Ave., N.E., Suite 101 • Bothell, WA 98011 • (206) 481-9200
❑ East 11115 Montgomery, Suite B • Spokane, WA 99206 • (509) 924-9200
❑ 15055 S.W. Sequoia Pkwy, Suite 110 • Portland, OR 97222 • (503) 624-9800

Consultant Company: Gettler-Ryan Inc.	Project Name: Former Unocal SS# 2512
Address: 6747 Sierra Ct. Suite J	UNOCAL Project Manager: Mr. Bob Boust
City: Dublin State: CA Zip Code: 94568	AFE #: W910532
Telephone: (510) 551-7555 FAX #:	Site #, City, State: 1300 Davis St. San Leandro
Report To: Deanne Harding Sampler: Joe	QC Data: ❑ Level D (Standard) ❑ Level C ❑ Level B ❑ Level A

Pink - Client

Turnaround Time: ☒ 10 Work Days ❑ 5 Work Days ❑ 3 Work Days ❑ 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 #	TPH, BTEX, MTBE	8010	TPHD							Comments
1	TB-LB	10 25-99	W	1	VOA	01A	✓									Please don't bill
2.	MW-3	" 2:12 P.m	/	5 VOA 1 Amb	VOA	02A-E	✓	✓	✓							TB-LB analyses.
3.	MW-7	" 12:40 P.m	/	5 VOA	VOA	03A-E	✓	✓								
4	MW-8	" 12:55 P.m	/	5 VOA	VOA	04A-E	✓	✓								
5	MW-9	" 1:30 P.m	/	5 VOA	VOA	05A-E	✓	✓								
6.																
7																
8.																
9																
10																

Yellow - Laboratory

White - Laboratory

Relinquished By: Joe Ramos	Date: 10.25.99	Time: 3:30 P.m.	Received By:	Date: 10/25/99	Time: 3:30
Relinquished By:	Date: 10/26/99	Time:	Received By:	Date: 10-26	Time: 1230
Relinquished By:	Date: 10-26	Time:	Received By Lab: Ronald C. Glenn WC	Date: 10/26/99	Time: 15:50

Were Samples Received in Good Condition? ❑ Yes ❑ No Samples on Ice? ❑ Yes ❑ No Method of Shipment_____ Page __ of __

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? ❑ Yes ❑ No If no, what analyses are still needed? _____

2) Was the report issued within the requested turnaround time? ❑ Yes ❑ No If no, what was the turnaround time? _____

Approved by: Signature: _____ Company: _____ Date: _____

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 # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W910532-01	Water	27-Oct-99 08:52	26-Oct-99 15:50
MW-3	W910532-02	Water	25-Oct-99 14:12	26-Oct-99 15:50
MW-7	W910532-03	Water	25-Oct-99 12:00	26-Oct-99 15:50
MW-8	W910532-04	Water	25-Oct-99 12:53	26-Oct-99 15:50
MW-9	W910532-05	Water	25-Oct-99 13:30	26-Oct-99 15:50

Juliann Fegley, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

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 (W910532-01) Water Sampled: 27-Oct-99 08:52 Received: 26-Oct-99 15:50									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K05001	05-Nov-99	05-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*	*70-130*		"	"	"	"	
MW-3 (W910532-02) Water Sampled: 25-Oct-99 14:12 Received: 26-Oct-99 15:50									
Purgeable Hydrocarbons	**220**	50	ug/l	1	9K05001	05-Nov-99	05-Nov-99	EPA	
Benzene	**0.82**	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.77**	0.50	"	"	"	"	"	"	
Xylenes (total)	**6.8**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.9**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.3 %*	*70-130*		"	"	"	"	
MW-7 (W910532-03) Water Sampled: 25-Oct-99 12:00 Received: 26-Oct-99 15:50									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K05001	05-Nov-99	05-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*70-130*		"	"	"	"	

Juliana Negley, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

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 (W910532-04) Water Sampled: 25-Oct-99 12:53 Received: 26-Oct-99 15:50									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K05001	05-Nov-99	05-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.3 %*	*70-130*		"	"	"	"	
MW-9 (W910532-05) Water Sampled: 25-Oct-99 13:30 Received: 26-Oct-99 15:50									
Purgeable Hydrocarbons	ND	50	ug/l	1	9K05001	05-Nov-99	05-Nov-99	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**37**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*	*70-130*		"	"	"	"	

Julianne Pegley, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Diesel Hydrocarbons (C9-C24) by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W910532-02) Water Sampled: 25-Oct-99 14:12 Received: 26-Oct-99 15:50									
Diesel Range Hydrocarbons	95	63	ug/l	1	9K03015	03-Nov-99	10-Nov-99	EPA 8015M	D-11
Surrogate: n-Pentacosane		*69.7 %*	*50-150*		"	"	"	"	

Julianne Pegley, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W910532-02) Water Sampled: 25-Oct-99 14:12 Received: 26-Oct-99 15:50									
Bromodichloromethane	ND	0.50	ug/l	1	9K05014	05-Nov-99	05-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	9.6	5.0	"	"	"	"	"	"	O-01
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*93.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*51.0 %*	*50-150*		"	"	"	"	

Julianne Fegley, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (W910532-03) Water Sampled: 25-Oct-99 12:00 Received: 26-Oct-99 15:50									
Bromodichloromethane	ND	0.50	ug/l	1	9K05014	05-Nov-99	05-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**3.1**	0.50	"	"	"	"	"	"	O-05
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*78.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.0 %*	*50-150*		"	"	"	"	

Julianne Regley, Project Manager

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 # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (W910532-04) Water Sampled: 25-Oct-99 12:53 Received: 26-Oct-99 15:50									
Bromodichloromethane	ND	0.50	ug/l	1	9K05014	05-Nov-99	05-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**8.2**	5.0	"	"	"	"	"	"	O-01
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**1.5**	0.50	"	"	"	"	"	"	O-05
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*77.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*53.0 %*	*50-150*		"	"	"	"	

Juliannne Hegley, Project Manager

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (W910532-05) Water Sampled: 25-Oct-99 13:30 Received: 26-Oct-99 15:50									
Bromodichloromethane	ND	0.50	ug/l	1	9K05014	05-Nov-99	05-Nov-99	EPA 8010B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Methylene chloride	**7.8**	5.0	"	"	"	"	"	"	O-01
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	**23**	0.50	"	"	"	"	"	"	O-05
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromodifluoromethane		*59.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*62.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

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 9K05001: Prepared 05-Nov-99 Using EPA 5030B [P/T]										
Blank (9K05001-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	*26.0*		"	*30.0*		*86.7*	*70-130*			
LCS (9K05001-BS1)										
Benzene	19.6	0.50	ug/l	20.0		98.0	70-130			
Toluene	18.0	0.50	"	20.0		90.0	70-130			
Ethylbenzene	20.5	0.50	"	20.0		103	70-130			
Xylenes (total)	65.7	0.50	"	60.0		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.3*		"	*30.0*		*91.0*	*70-130*			
Matrix Spike (9K05001-MS1)					**Source: W910532-03**					
Benzene	20.2	0.50	ug/l	20.0	ND	101	70-130			
Toluene	18.6	0.50	"	20.0	ND	93.0	70-130			
Ethylbenzene	21.2	0.50	"	20.0	ND	106	70-130			
Xylenes (total)	66.6	0.50	"	60.0	ND	111	70-130			
Surrogate: a,a,a-Trifluorotoluene	*25.6*		"	*30.0*		*85.3*	*70-130*			
Matrix Spike Dup (9K05001-MSD1)					**Source: W910532-03**					
Benzene	20.4	0.50	ug/l	20.0	ND	102	70-130	0.985	20	
Toluene	18.8	0.50	"	20.0	ND	94.0	70-130	1.07	20	
Ethylbenzene	21.1	0.50	"	20.0	ND	106	70-130	0.473	20	
Xylenes (total)	67.8	0.50	"	60.0	ND	113	70-130	1.79	20	
Surrogate: a,a,a-Trifluorotoluene	*26.1*		"	*30.0*		*87.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K03015: Prepared 03-Nov-99 Using EPA 3510B										
Blank (9K03015-BLK1)										
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	*24.0*		"	*33.3*		*72.1*	*50-150*			
LCS (9K03015-BS1)										
Diesel Range Hydrocarbons	368	50	ug/l	500		73.6	60-140			
Surrogate: n-Pentacosane	*23.0*		"	*33.3*		*69.1*	*50-150*			
LCS Dup (9K03015-BSD1)										
Diesel Range Hydrocarbons	422	50	ug/l	500		84.4	60-140	13.7	50	
Surrogate: n-Pentacosane	*24.0*		"	*33.3*		*72.1*	*50-150*			

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6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K05014: Prepared 05-Nov-99 Using EPA 5030B [P/T]										
Blank (9K05014-BLK1)										
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	0.50	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Methylene chloride	7.90	5.0	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
Trichloroethene	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
Vinyl chloride	ND	1.0	"							
Surrogate: Dibromofluoromethane	*5.70*			*10.0*		*57 %*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*5.90*			*10.0*		*59 %*	*50-150*			

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Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K05014: Prepared 09-Nov-99 Using EPA 5030B [P/T]										
Blank (9K05014-BLK3)										
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	0.50	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Methylene chloride	8.10	5.0	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
Trichloroethene	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
Vinyl chloride	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: Dibromodifluoromethane	*13.0*			*10.0*		*130*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*11.0*		"	*10.0*		*110*	*50-150*			

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Gettler Ryan, Inc. - Dublin	Project: Unocal	
6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K05014: Prepared 10-Nov-99 Using EPA 5030B [P/T]										
Blank (9K05014-BLK4)										
Ethylene dibromide	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	"							
Surrogate: Dibromodifluoromethane	*13.0*		"	*10.0*		*130*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*12.0*		"	*10.0*		*120*	*50-150*			
LCS (9K05014-BS1)										
Chlorobenzene	17.0	0.50	ug/l	20.0		85.0	70-130			
1,1-Dichloroethene	24.0	0.50	"	20.0		120	65-135			
Trichloroethene	24.0	0.50	"	20.0		120	70-130			
Surrogate: Dibromodifluoromethane	*8.50*		"	*10.0*		*85.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*7.80*		"	*10.0*		*78.0*	*50-150*			
LCS (9K05014-BS3)										
Chlorobenzene	16.0	0.50	ug/l	20.0		80.0	70-130			
1,1-Dichloroethene	20.0	0.50	"	20.0		100	65-135			
Trichloroethene	21.0	0.50	"	20.0		105	70-130			
Surrogate: Dibromodifluoromethane	*7.20*		"	*10.0*		*72.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*13.0*		"	*10.0*		*130*	*50-150*			
LCS (9K05014-BS4)										
Chlorobenzene	17.0	0.50	ug/l	20.0		85.0	70-130			
1,1-Dichloroethene	20.0	0.50	"	20.0		100	65-135			
Trichloroethene	22.0	0.50	"	20.0		110	70-130			
Surrogate: Dibromodifluoromethane	*13.0*		"	*10.0*		*130*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*15.0*		"	*10.0*		*150*	*50-150*			
Matrix Spike (9K05014-MS1)					**Source: W910532-02**					
Chlorobenzene	16.0	0.50	ug/l	20.0	ND	80.0	60-140			
1,1-Dichloroethene	26.0	0.50	"	20.0	ND	130	60-140			
Trichloroethene	23.0	0.50	"	20.0	ND	115	60-140			
Surrogate: Dibromodifluoromethane	*5.60*		"	*10.0*		*56.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*6.30*		"	*10.0*		*63.0*	*50-150*			

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6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Volatile Organic Compounds by EPA Method 8010B - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9K05014: Prepared 05-Nov-99 Using EPA 5030B [P/T]										
Matrix Spike Dup (9K05014-MSD1)					**Source: W910532-02**					
Chlorobenzene	17.0	0.50	ug/l	20.0	ND	85.0	60-140	6.06	25	
1,1-Dichloroethene	22.0	0.50	"	20.0	ND	110	60-140	16.7	25	
Trichloroethene	23.0	0.50	"	20.0	ND	115	60-140	0	25	
Surrogate: Dibromodifluoromethane	*7.20*		"	*10.0*		*72.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*6.40*		"	*10.0*		*64.0*	*50-150*			

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6747 Sierra Court Suite J	Project Number: Unocal # 2512	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	23-Nov-99 18:07

Notes and Definitions

D-11	Chromatogram Pattern: Unidentified Hydrocarbons < C16
O-01	Methylene Chloride is a suspected laboratory contaminant. Please refer to the Method Blank.
O-05	Reanalysis by an alternate column or method has confirmed the identification and/or concentration of this result.
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

Juliannie Fegley, Project Manager