GETTLER-RYAN INC.

TRANSMITTAL

March 26, 1998
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	March 26, 1999	Groundwater Monitoring and Sampling Report First Quarter 1999 - Event of January 19, 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 ***April 12, 1998***, this report will be distributed to the following:

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

Enclosure

agency/2512rab qmt

GETTLER-RYAN INC.

March 26, 1999
G-R Job #280036

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

RE: First 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 January 19, 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 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

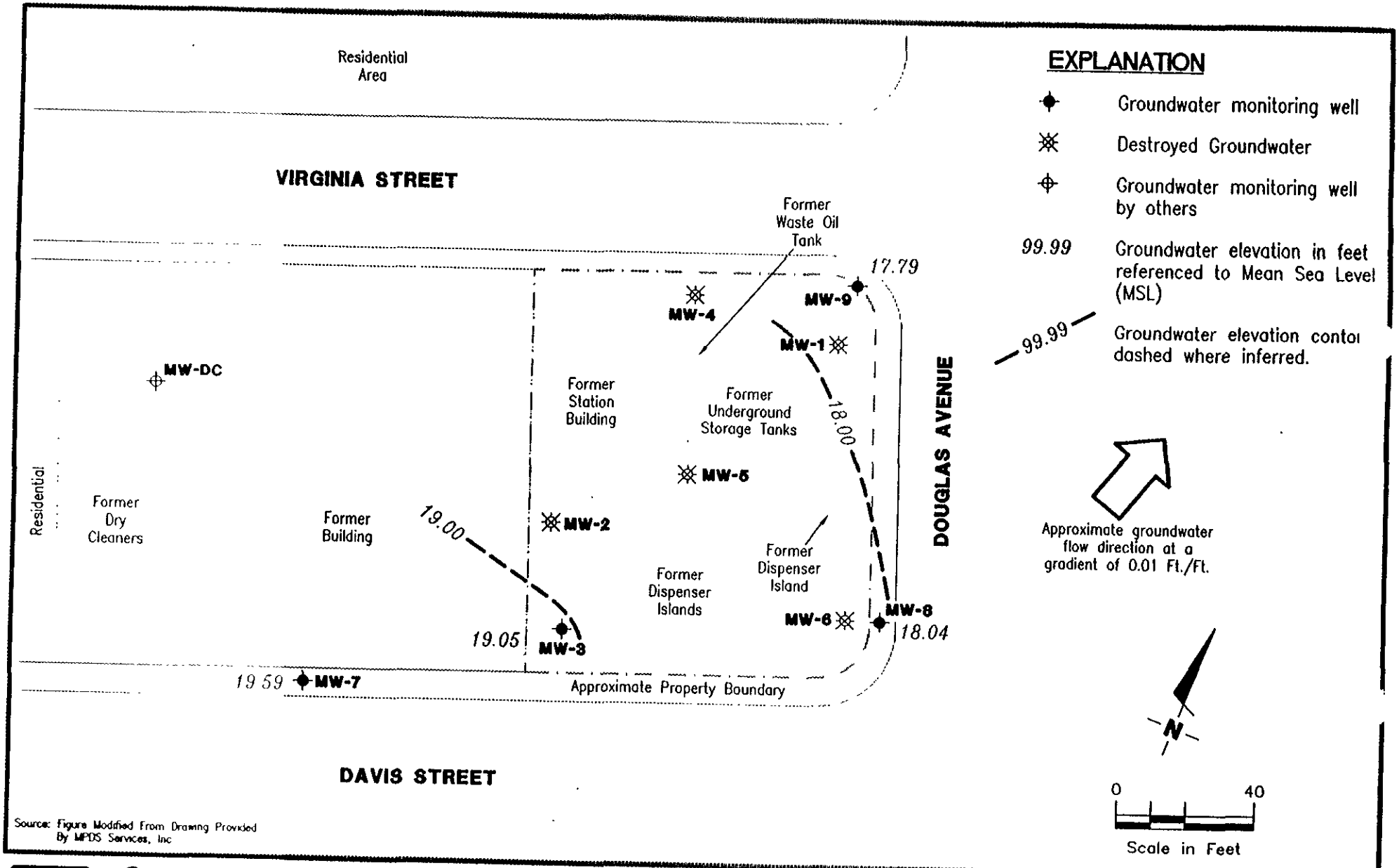
Deanna L. Harding
Project Coordinator

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
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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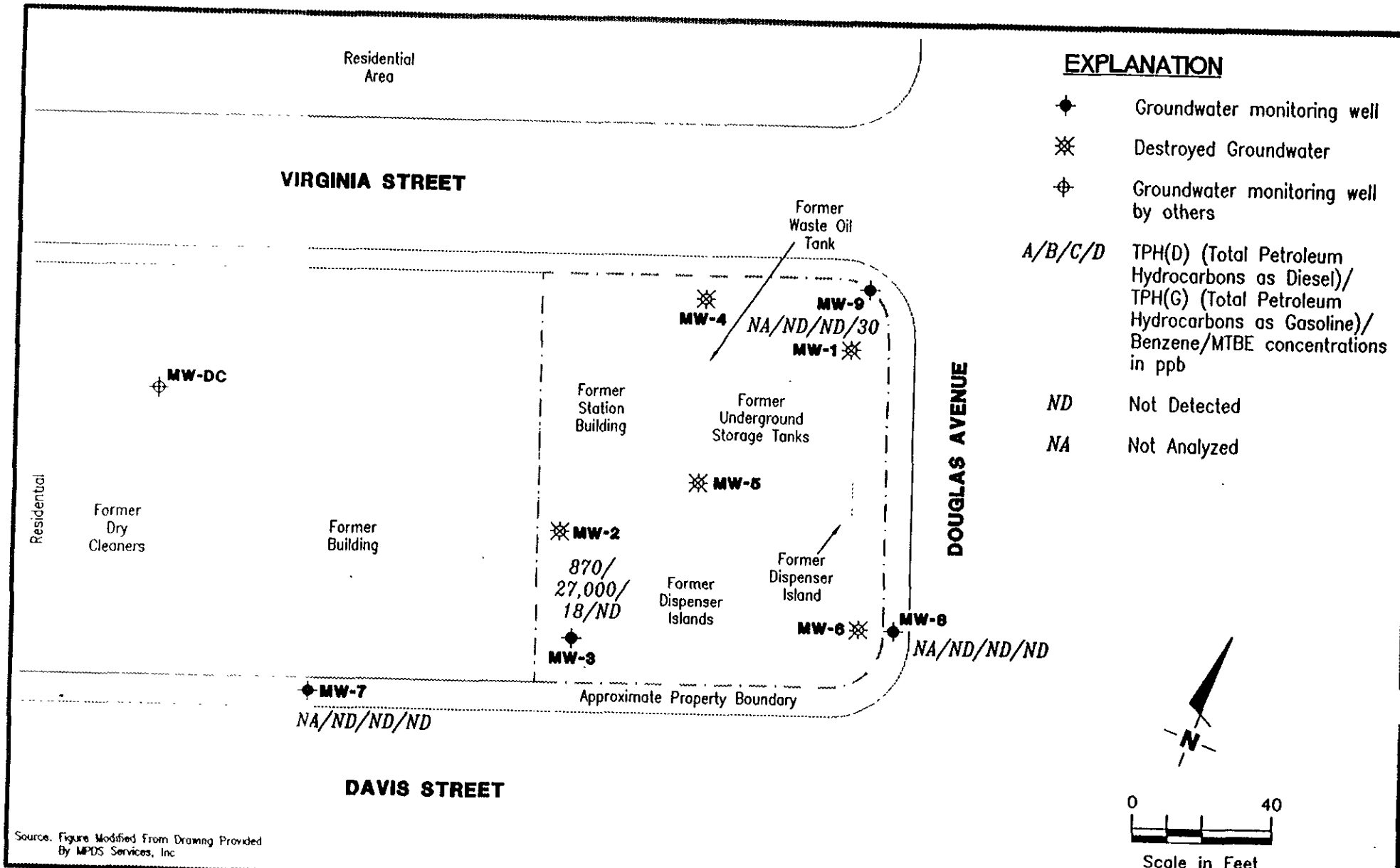
(925) 551-7555

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

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
280036		January 19, 1999	



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

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

FIGURE
2

JOB NUMBER
280036

REVIEWED BY

DATE
January 19, 1999

REVISED DATE

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]**	**--**
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
	05/24/91	--	--	--	ND	ND	0.64	ND	ND	ND	--	ND
	08/15/91	--	--	--	ND	ND	ND	ND	ND	ND	--	ND
99 66	09/18/91	17.67	81.99	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-4	10/15/91	17.95	81.71	0.00	--	--	--	--	--	--	--	--
(cont)	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	--	--	--	--	--	--	--	--
	06/09/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	09/08/94	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
	01/25/95	DESTROYED	--	--	--	--	--	--	--	--	--	--

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-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	--	--	--	--	--	--	--	--
	10/30/92	16.31	15.78	0.00	--	ND	ND	ND	ND	ND	--	--
	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	--	--

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	04/23/96	12.48	19.23	0.00	--	220	ND	0.62	0.88	5.4	ND	--
(cont)	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**	**--**
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	--
	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**	**--**
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]	--

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-9	04/23/96	14.60	17.73	0.00	--	ND	ND	ND	ND	ND	ND	--
(cont)	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**	**--**
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	--
	01/19/99	**--**	**--**	**--**	**--**	**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 results.

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.

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**
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	--	--	--	--	--	--
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

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	02/27/92	1.5	ND	ND	ND	ND	1.6	ND
(cont)	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
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

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	04/16/97	0.51	ND	ND	ND	ND	ND	ND
(cont)	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**
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
	01/21/98	22	0.73	ND	ND	ND	ND	0.50
	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**

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

[2] Chloroform was detected at a concentration of 1.7 ppb.

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

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: 1-19-99

City: San Leandro Sampler: Joe

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

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

Total Depth 33.29 ft.

Depth to Water 12.97 ft.

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

20.32 x VF 0.17 = 3.45 x 3 (case volume) = Estimated Purge Volume: 10.5 (gal.)

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

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

Starting Time: 2:48 Weather Conditions: rainy

Sampling Time: 3:10 P.M Water Color: clear Odor: yes

Purging Flow Rate: 1.5 gpm. Sediment Description: none

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 10^3	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:57	3.5	6.88	3.65	70.2			
2:59	7	6.98	3.70	71.0			
3:01	10.5	7.05	3.72	71.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
"	2 VOA	"	"	"	8010
"	1 AMB	"	—	"	TPHD

COMMENTS: Purged additional 100 g. from well.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 2512 Job#: 280036

Address: 1300 Davis st. Date: 1-19-99

City: San Leandro Sampler: Joe

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

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

Total Depth 29.70 ft.

Depth to Water 12.12 ft.

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

17.58 X VF 0.17 = 2.99 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: 1:10 Weather Conditions: rainy

Sampling Time: 1:25 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 µmhos/cm x 1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:10	3	7.38	6.32	72.1			
1:12	6	7.68	6.85	71.2			
1:15	9	7.59	6.90	71.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCL	Sequoia	TPHG, BTEX, MTBE
"	2 VOA	"	"	"	8010

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # 2512 Job#: 280036

Address: 1300 Davis st. Date: 1-19-99

City: San Leandro Sampler: Joe

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

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

Total Depth 29.93 ft

Depth to Water 14.69 ft

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

15.24 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: 1:35 Weather Conditions: rainy

Sampling Time: 1:57 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 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:45	3	7.17	7.95	71.2			
1:47	5	7.22	8.06	71.5			
1:49	8	7.31	8.05	71.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCl	Sequoia	TPHG, BTEX, MTBE
"	2 VOA	"	"	"	8010

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/
Facility # 2512 Job#: 280036

Address: 1300 Davis st. Date: 1-19-99

City: San Leandro Sampler: Joe

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

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

Total Depth 30.00 ft.

Depth to Water 14.54 ft.

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

15.46 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: 2:10 Weather Conditions: rainy

Sampling Time: 2:35 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 µmhos/cm X 1w	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:22	3	7.53	8.92	70.3			
2:25	5	7.47	9.12	71.5			
2:27	8	7.44	9.06	71.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
mw-9	3 VoA	Y	HCl	Sequoia	TPHG, BTEX, MTBE
	2 VoA	"	"	"	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. Job #	Project Name: Former Unocal SS # 2512
Address: 6747 Sierra Court Ste. J	UNOCAL Project Manager: Mr. Bob Boust
City: Dublin State: CA Zip Code: 94568	AFE #: 990135 1
Telephone: (925) 551-7555 FAX #: (925) 551-7899	Site #, City, State: 1300 Davis Street, San Leandro CA
Report To: Deanna L. Harding Sampler:	QC Data: ❑ Level D (Standard) ❑ Level C ❑ Level B ❑ Level A

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 #	TPHG, BTEX, MTBE	8010	TPHD						Comments
1.	TB-LB	1-19-99	W	1	VOA	9011269	✓								Do not bill
2.	MW-3	" 3:10 p.m	W	5	VOA AMB	9011270	✓	✓	✓						TB-LB analyses.
3.	MW-7	" 1:25 p.m	W	5	VOA	9011271	✓	✓							
4.	MW-8	" 1:57 p.m	W	5	VOA	9011272	✓	✓							
5.	MW-9	" 2:35 p.m	W	5	VOA	9011273	✓	✓							
6.															
7.															
8.															
9.															
10.															

Relinquished By:	Date: 1-19-99	Time: 5:00 p.m	Received By:	Date: 1-20	Time: 1230
Relinquished By:	Date: 1-20	Time: 1600	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 1/19/99	Time: 16:30

Were Samples Received in Good Condition? ❑ Yes ❑ No Samples on Ice? ❑ Yes ❑ No Method of Shipment 1/20 1600

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

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

Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#2512, San Leandro	Sampled: Jan 19, 1999
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received: Jan 20, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Feb 8, 1999
Attention: Deanna Harding	First Sample #:	901-1269	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit µg/L	Sample I.D. 901-1269 TB-LB	Sample I.D. 901-1270 MW-3	Sample I.D. 901-1271 MW-7	Sample I.D. 901-1272 MW-8	Sample I.D. 901-1273 MW-9
Purgeable Hydrocarbons	50	N.D.	27,000	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	18	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	48	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	69	N.D.	N.D.	N.D.
MTBE	2.5	N.D.	N.D.	N.D.	N.D.	30
Chromatogram Pattern:		--	Gasoline & Unidentified Hydrocarbons C6 - C12	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	10	1.0	1.0	1.0
Date Analyzed:	1/26/99	1/26/99	1/26/99	1/26/99	1/26/99
Instrument Identification:	HP-2	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	106	110	107	108	111

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#2512, San Leandro	Sampled: Jan 19, 1999
6747 Sierra Court, Suite J	Sample Matrix:	Water	Received: Jan 20, 1999
Dublin, CA 94568	Analysis Method:	EPA 3510/8015 Mod.	Reported: Feb 8, 1999
Attention: Deanna Harding	First Sample #:	901-1270	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 901-1270 MW-3
Extractable Hydrocarbons	50	870
Chromatogram Pattern:		Unidentified Hydrocarbons <C20

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	1/26/99
Date Analyzed:	1/27/99
Instrument Identification:	HP-3B

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#2512, San Leandro	Sampled:	Jan 19, 1999
6747 Sierra Court, Suite J	Sample Descript:	Water, MW-3	Received:	Jan 20, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8010	Analyzed:	Jan 26, 1999
Attention: Deanna Harding	Lab Number:	901-1270	Reported:	Feb 8, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	86
4-Bromofluorobenzene	50	150	78

Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#2512, San Leandro	Sampled:	Jan 19, 1999
6747 Sierra Court, Suite J	Sample Descript:	Water, MW-7	Received:	Jan 20, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8010	Analyzed:	Jan 26, 1999
Attention: Deanna Harding	Lab Number:	901-1271	Reported:	Feb 8, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**1.3**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	87
4-Bromofluorobenzene	50	150	79

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#2512, San Leandro	Sampled:	Jan 19, 1999
6747 Sierra Court, Suite J	Sample Descript:	Water, MW-8	Received:	Jan 20, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8010	Analyzed:	Jan 26, 1999
Attention: Deanna Harding	Lab Number:	901-1272	Reported:	Feb 8, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**0.71**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	95
4-Bromofluorobenzene	50	150	81

Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin	Client Project ID:	Unocal SS#2512, San Leandro	Sampled:	Jan 19, 1999
6747 Sierra Court, Suite J	Sample Descript:	Water, MW-9	Received:	Jan 20, 1999
Dublin, CA 94568	Analysis Method:	EPA 5030/8010	Analyzed:	Jan 26, 1999
Attention: Deanna Harding	Lab Number:	901-1273	Reported:	Feb 8, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	0.50	N.D.
Bromoform	0.50	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	0.50	N.D.
Chlorobenzene	0.50	N.D.
Chloroethane	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	1.0	N.D.
Dibromochloromethane	0.50	N.D.
1,3-Dichlorobenzene	0.50	N.D.
1,4-Dichlorobenzene	0.50	N.D.
1,2-Dichlorobenzene	0.50	N.D.
1,1-Dichloroethane	**0.50**	**0.72**
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	0.50	N.D.
cis-1,2-Dichloroethene	0.50	N.D.
trans-1,2-Dichloroethene	0.50	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	0.50	N.D.
trans-1,3-Dichloropropene	0.50	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	**0.50**	**38**
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	**0.50**	**0.54**
Trichlorofluoromethane	0.50	N.D.
Vinyl chloride	1.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	94
4-Bromofluorobenzene	50	150	84

Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

Sequoia Analytical

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

Client Project ID: Unocal SS#2512, San Leandro
Matrix: Liquid
QC Sample Group: 9011269-273

Reported: Feb 8, 1999

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	9011015	9011015	9011015	9011015
Date Prepared:	1/26/99	1/26/99	1/26/99	1/26/99
Date Analyzed:	1/26/99	1/26/99	1/26/99	1/26/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	85	80	85	88
Matrix Spike Duplicate % Recovery:	100	95	95	102
Relative % Difference:	16	17	11	14
LCS Batch#:	2LCS012699	2LCS012699	2LCS012699	2LCS012699
Date Prepared:	1/26/99	1/26/99	1/26/99	1/26/99
Date Analyzed:	1/26/99	1/26/99	1/26/99	1/26/99
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	90	85	90	95
% Recovery Control Limits:	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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