

MONITORING  
PULPING  
DISPOSING  
SAMPLING

MPDS

SERVICES, INCORPORATED

October 27, 1995

Ms. Juliet Shin  
Alameda County Health Care Services  
1131 Harbor Bay Parkway  
Alameda, CA 94501

RE: Unocal Service Station #5760  
376 Lewelling Boulevard  
San Lorenzo, California

Dear Ms. Shin:

Per the request of the Unocal Corporation Project Manager, Ms. Tina R. Berry, enclosed please find our report (MPDS-UN5760-08) dated October 10, 1995 for the above referenced site.

Should you have any questions regarding the reporting of data, please feel free to call our office at (510) 602-5120. Any other questions may be directed to the Project Manager at (510) 277-2321.

Sincerely,

MPDS Services, Inc.

Jarrel F. Crider

/jfc

Enclosure

cc: Ms. Tina R. Berry



PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

October 6, 1995  
Project 310-058.3B

Mr. Richard Hiett  
Regional Water Quality Control Board  
San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, California 94612

Re: Unocal Corporation  
Quarterly Summary Report  
Third Quarter 1995

Dear Mr. Hiett:

As directed by Ms. Tina Berry of Unocal Corporation, Pacific Environmental Group, Inc. is forwarding the quarterly summary report for the following location:

<u>Service Station</u>	<u>Location</u>
5760	376 Lewelling Boulevard, San Lorenzo

If you have questions or comments, please do not hesitate to contact our office at (408) 441-7500.

Sincerely,

**Pacific Environmental Group, Inc.**

Joseph Muzzio  
Project Geologist

Enclosure

cc: Ms. Tina Berry, Unocal Corporation

~~San Francisco Bay Regional Water Quality Control Board, Environmental Health Services~~

55 OCT 10 PM 3:21

ENVIRONMENTAL  
PROTECTION

**Quarterly Summary Report  
Third Quarter 1995**

Unocal Service Station 5760  
376 Lewelling Boulevard  
San Lorenzo, California

City/County ID #: None  
County: Alameda

**BACKGROUND**

The underground storage tanks were removed and replaced in November 1987. Currently there are nine monitoring wells on-site. Groundwater monitoring and sampling of wells began in February 1988. A remedial action plan was submitted during the third quarter 1994.

**RECENT QUARTER ACTIVITIES**

Quarterly groundwater monitoring and sampling were conducted in July 1995. Design of the soil vapor and groundwater extraction and treatment system was completed. The remediation system was installed in August and September 1995.

**NEXT QUARTER ACTIVITIES**

Groundwater monitoring and sampling for the fourth quarter 1995 will be performed. Operation of soil vapor and groundwater extraction and treatment system.

**CHARACTERIZATION/REMEDIAL STATUS**

Soil contamination delineated? Yes.  
Dissolved groundwater delineated? No.  
Free product delineated? Yes.  
Amount of groundwater contaminant recovered this quarter? Not applicable.  
Soil remediation in progress? Yes.  
Anticipated start? October 1995.  
Anticipated completion date? Unknown.  
Dissolved/free product remediation in progress? Yes.  
Anticipated start? October 1995.  
Anticipated completion? Unknown.

**CONSULTANT:** Pacific Environmental Group, Inc.

MPDS-UN5760-08  
October 16, 1995

Unocal Corporation  
2000 Crow Canyon Place, Suite 400  
P.O. Box 5155  
San Ramon, California 94583

Attention: Ms. Tina R. Berry

RE: Quarterly Data Report  
Unocal Station Service #5760  
376 Lewelling Boulevard  
San Lorenzo, California

Dear Ms. Berry:

This data report presents the results of the most recent quarter of monitoring and sampling of the monitoring wells at the referenced site by MPDS Services, Inc.

#### RECENT FIELD ACTIVITIES

The monitoring wells that were monitored and sampled during this quarter are indicated in Table 1. Prior to sampling, the wells were checked for depth to water and the presence of free product or sheen. The monitoring data and the ground water elevations are summarized in Table 1. The ground water flow direction during the most recent quarter is shown on the attached Figure 1.

Ground water samples were collected on September 12, 1995. Prior to sampling, the wells were each purged of between 8.5 and 20 gallons of water. During purging operations, the field parameters pH, temperature, and electrical conductivity were recorded and are presented in Table 2. Once the field parameters were observed to stabilize, and where possible, a minimum of approximately four casing volumes had been removed from each well, samples were then collected using a clean Teflon bailer. The samples were decanted into clean VOA vials and/or one-liter amber bottles, as appropriate, which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory. Equipment blank, Field blank and Trip blank samples (denoted as ES1, ES2 and ES3, respectively) were also collected for quality assurance and control. MPDS Services, Inc. transported the purged ground water to the Unocal Refinery located in Rodeo, California, for treatment and discharge to San Pablo Bay under NPDES permit.

#### ANALYTICAL RESULTS

The ground water samples were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documenta-

tion. The analytical results of the ground water samples collected to date are summarized in Tables 3 and 4. The concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline and benzene detected in the ground water samples collected this quarter are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

LIMITATIONS

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

DISTRIBUTION

A copy of this report should be sent to Ms. Amy Leach of the Alameda County Health Care Services Agency.

If you have any questions regarding this report, please do not hesitate to call Mr. Nubar Srabian at (510) 602-5120.

Sincerely,

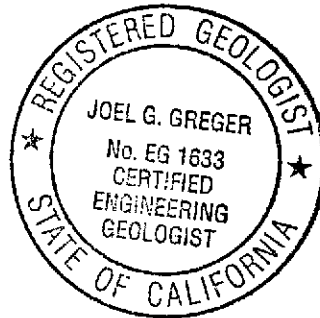
MPDS Services, Inc.



Haig (Gary) Tejirian  
Senior Staff Geologist



Joel G. Greger, C.E.G.  
Senior Engineering Geologist



License No. EG 1633  
Exp. Date 8/31/96

/bp

- Attachments: Tables 1 through 4  
Location Map  
Figures 1 & 2  
Laboratory Analyses  
Chain of Custody documentation

cc: Mr. Joe Muzzio, Pacific Environmental Group, Inc.

**TABLE 1**

**SUMMARY OF MONITORING DATA**

Well #	Ground Water Elevation (feet)	Depth to Water (feet)◆	Total Well Depth (feet)◆	Product Thickness (feet)	Sheen	Water Purged (gallons)
--------	-------------------------------------	------------------------------	--------------------------------	--------------------------------	-------	------------------------------

**(Monitored and Sampled on September 12, 1995)**

U-1	23.24	16.77	30.10	0	No	20
U-2	23.46	17.80	29.96	0	No	18
U-3	23.03	16.11	24.95	0	No	13.5
U-4	23.15	17.10	27.95	0	No	16.5
U-5	23.01	16.30	28.61	0	No	8.5
U-6	22.83	14.85	28.35	0	No	9.5
U-7	22.71	14.40	34.95	0	No	14
U-8	23.07	15.50	29.90	0	No	10
U-9	22.58	14.73	28.26	0	No	9.5

**(Monitored and Sampled on June 13, 1995)**

U-1	25.50	14.70	30.10	0	No	23
U-2	24.55	16.71	29.95	0	No	20
U-3	24.15	15.11	25.05	0	No	16
U-4	24.30	15.95	27.90	0	No	18
U-5	24.15	15.16	28.60	0	No	10
U-6	23.95	13.73	28.31	0	No	10
U-7	23.78	13.33	35.00	0	No	15
U-8	24.17	14.40	29.85	0	No	11
U-9	23.68	13.63	28.23	0	No	10

**(Monitored and Sampled on March 9, 1995)**

U-1	24.38	15.82	30.10	0	No	22
U-2	24.30	16.96	30.00	0	No	20
U-3	24.05	15.20	25.02	0	No	15
U-4	24.12	16.16	27.92	0	No	17
U-5	23.96	15.35	28.46	0	No	9
U-6	23.94	13.74	28.34	0	No	10
U-7	23.75	13.36	35.00	0	No	15
U-8	24.01	14.56	29.90	0	No	11
U-9	23.81	13.50	28.26	0	No	11

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

Well #	Ground Water Elevation (feet)	Depth to Water (feet)◆	Total Well Depth (feet)◆	Product Thickness (feet)	Sheen	Water Purged (gallons)
(Monitored and Sampled on December 5, 1994)						
U-1	23.53	16.67	29.90	0	No	20
U-2	22.44	18.82	29.92	0	No	16.5
U-3	22.17	17.08	25.02	0	No	12
U-4	22.20	18.08	27.87	0	No	15
U-5	22.08	17.23	28.40	0	No	8
U-6	22.08	15.60	28.28	0	No	9
U-7	22.01	15.10	34.98	0	No	14
U-8	22.25	16.32	29.83	0	No	9.5
U-9	21.88	15.43	28.20	0	No	9

Well #	Well Casing Elevation (feet)*
U-1	40.01▲
U-2	41.26
U-3	39.26▲
U-4	40.25
U-5	39.31
U-6	37.68
U-7	37.11
U-8	38.57
U-9	37.31

- ◆ The depth to water level and total depth measurements were taken from the top of the well casings.
- \* The elevation of the top of the well casing are relative to Mean Sea Level.
- ▲ The P.V.C. well casing was shortened in September 1995. Prior to this date, well casing elevations were 40.20 feet and 39.26 feet in U-1 and U-3, respectively.

**TABLE 2**

RECORD OF THE TEMPERATURE, CONDUCTIVITY, AND pH VALUES  
 IN THE MONITORING WELLS DURING PURGING AND PRIOR TO SAMPLING

(Measured on September 12, 1995)

Well #	Gallons per Casing Volume	Time	Gallons Purged	Casing Volumes Purged	Temper- ature (°F)	Conductivity ([μmhos/cm] x100)	pH
U-1	4.93	15:15	0	0	75.0	13.29	7.36
			5	1.01	74.4	11.70	7.22
			10	2.03	76.2	13.19	7.22
			15	3.04	76.2	13.63	6.90
		15:30	20	4.06	75.6	13.59	6.85
U-2	4.50	08:55	0	0	61.9	11.54	6.88
			4.5	1.00	66.7	12.18	6.78
			9	2.00	67.2	11.77	6.78
			13.5	3.00	67.5	11.76	6.78
		09:10	18	4.00	67.6	11.48	6.80
U-3	3.27	14:30	0	0	78.8	12.63	7.23
			3.5	1.07	76.1	13.09	7.06
			7	2.14	76.9	15.08	6.73
			10.5	3.21	74.1	16.31	6.62
		14:40	13.5	4.13	73.9	16.98	6.60
U-4	4.01	09:40	0	0	67.3	17.62	7.09
			4	1.00	70.4	15.76	6.93
			8	2.00	70.5	15.94	7.03
			12	2.99	70.6	15.16	6.84
		09:50	16.5	4.11	71.2	15.41	6.84
U-5	2.09	10:20	0	0	69.1	17.64	7.41
			2	0.96	70.1	16.50	7.28
			4	1.91	72.8	16.42	7.15
			6	2.87	71.5	16.98	7.04
		10:30	8.5	4.07	71.6	17.61	7.02



**TABLE 2 (Continued)**

RECORD OF THE TEMPERATURE, CONDUCTIVITY, AND pH VALUES  
 IN THE MONITORING WELLS DURING PURGING AND PRIOR TO SAMPLING

(Measured on September 12, 1995)

<u>Well #</u>	<u>Gallons per Casing Volume</u>	<u>Time</u>	<u>Gallons Purged</u>	<u>Casing Volumes Purged</u>	<u>Temper- ature (°F)</u>	<u>Conductivity ([µmhos/cm] x100)</u>	<u>pH</u>
U-6	2.30	13:45	0	0	75.7	12.90	7.31
			2.5	1.09	73.9	13.05	7.26
			5	2.17	73.5	13.75	7.13
			7.5	3.26	73.3	13.77	6.97
			9.5	4.13	73.4	13.53	6.86
U-7	3.49	11:15	0	0	68.1	10.65	7.50
			3.5	1.00	67.8	10.94	7.34
			7	2.01	67.8	11.08	7.25
			10.5	3.01	68.0	10.92	7.21
			14	4.01	68.0	10.98	7.14
U-8	2.45	12:10	0	0	71.4	11.46	7.38
			2.5	1.02	70.1	11.24	7.33
			5	2.04	69.4	10.81	7.23
			7.5	3.06	69.3	10.66	7.15
			10	4.08	69.3	10.79	7.14
U-9	2.30	13:00	0	0	70.1	12.70	7.45
			2.5	1.09	71.1	14.25	7.21
			5	2.17	70.8	15.10	7.01
			7.5	3.26	70.8	15.29	7.06
			9.5	4.13	70.9	15.56	7.03

**TABLE 3**

**SUMMARY OF LABORATORY ANALYSES  
 WATER**

<u>Date</u>	<u>Well #</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
9/12/95	U-1	43,000	910	2,700	1,700	9,600
6/13/95	U-1	53,000	1,400	5,000	2,500	14,000
3/09/95	U-1	49,000	860	3,200	1,900	10,000
12/05/94	U-1	1,300	55	20	16	330
9/07/94	U-1	41,000	1,600	6,200	3,100	16,000
6/09/94	U-1	59,000	5,200	1,300	5,200	15,000
3/09/94	U-1	45,000	930	4,100	2,000	11,000
12/02/93	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
9/09/93	U-1	67,000	2,900	18,000	6,200	32,000
6/04/93	U-1	35,000	1,300	5,700	900	9,200
2/12/93	U-1	70,000	2,200	8,400	3,100	18,000
11/20/92	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
8/06/92	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
4/07/92	U-1	▲	▲	▲	▲	▲
3/05/92	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
12/04/91	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
9/19/91	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
6/03/91	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
3/04/91	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
12/05/90	U-1	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT				
8/24/90	U-1	27,000	1,200	1,800	1,400	5,500
6/05/90	U-1	46,000	2,300	5,500	2,500	11,000
3/20/90	U-1	36,000	2,100	5,500	1,900	9,300
2/09/88	U-1	93,000	3,600	11,000	▲▲	20,000
9/12/95	U-2	ND	ND	ND	ND	ND
6/13/95	U-2	ND	ND	ND	ND	ND
3/09/95	U-2	ND	ND	ND	ND	ND
12/05/94	U-2	ND	ND	ND	ND	ND
9/07/94	U-2	ND	ND	0.63	ND	0.61
6/09/94	U-2	ND	ND	ND	ND	ND
4/13/94	U-2	ND	ND	ND	ND	ND
3/09/94	U-2	62	1.1	5.4	1.1	9.7
12/02/93	U-2	ND	ND	ND	ND	ND
9/09/93	U-2	ND	ND	ND	ND	ND
6/04/93	U-2	ND	ND	ND	ND	ND

**TABLE 3 (Continued)**

**SUMMARY OF LABORATORY ANALYSES  
 WATER**

Date	Well #	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
2/12/93	U-2	ND	ND	ND	ND	ND
11/20/92	U-2	ND	ND	ND	ND	ND
8/06/92	U-2	ND	ND	ND	ND	ND
4/07/92	U-2	ND	ND	ND	ND	ND
3/05/92	U-2	ND	ND	0.36	ND	ND
12/04/91	U-2	ND	ND	ND	ND	ND
9/19/91	U-2	ND	ND	ND	ND	ND
6/03/91	U-2	ND	ND	ND	ND	ND
3/04/91	U-2	ND	ND	0.9	ND	2.6
12/05/90	U-2	ND	ND	ND	ND	ND
8/23/90	U-2	ND	ND	ND	ND	ND
9/12/95	U-3	69,000	1,700	820	4,000	19,000
6/13/95	U-3	64,000	1,700	1,500	3,800	18,000
3/09/95	U-3	100,000	2,300	3,300	4,800	21,000
12/05/94	U-3	140,000	3,100	5,100	4,900	21,000
9/07/94	U-3	100,000	2,400	4,900	4,200	21,000
6/09/94	U-3	120,000*	3,300	6,100	5,200	26,000
3/09/94	U-3	120,000	4,500	8,300	5,600	28,000
12/02/93	U-3	110,000	3,200	7,700	5,600	26,000
9/09/93	U-3	110,000	2,800	10,000	6,500	31,000
6/04/93	U-3	92,000	2,900	8,700	4,300	20,000
2/12/93	U-3	80,000	3,700	9,400	3,700	18,000
11/20/92	U-3	50,000	3,200	4,700	1,900	10,000
8/06/92	U-3	140,000	5,100	13,000	5,000	23,000
4/07/92	U-3	97,000	6,100	16,000	5,400	28,000
3/05/92	U-3	160,000	5,300	15,000	5,400	26,000
12/04/91	U-3	75,000	2,500	6,100	1,900	11,000
9/19/91	U-3	61,000	3,300	9,700	2,800	15,000
6/03/91	U-3	130,000	5,800	19,000	4,600	24,000
3/04/91	U-3	84,000	1,400	10,000	2,900	17,000
1/18/91	U-3	51,000	1,700	3,100	1,500	7,500
12/05/90	U-3	69,000	1,900	3,500	1,600	9,800
8/23/90	U-3	110,000	4,400	13,000	2,800	17,000

**TABLE 3 (Continued)**

**SUMMARY OF LABORATORY ANALYSES  
 WATER**

Date	Well #	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
9/12/95	U-4	ND	ND	ND	ND	ND
6/13/95	U-4	ND	ND	ND	ND	ND
3/09/95	U-4	ND	ND	ND	ND	ND
12/05/94	U-4	ND	ND	ND	ND	ND
9/07/94	U-4	ND	ND	1.1	ND	1.0
6/09/94	U-4	ND	ND	ND	ND	ND
4/13/94	U-4	ND	ND	ND	ND	ND
3/09/94	U-4	ND	1.4	4.7	1.1	8.1
12/02/93	U-4	ND	ND	ND	ND	2.6
9/09/93	U-4	ND	ND	ND	ND	ND
6/04/93	U-4	ND	ND	ND	ND	ND
2/12/93	U-4	ND	ND	ND	ND	ND
11/20/92	U-4	ND	ND	2.5	ND	ND
8/06/92	U-4	ND	ND	ND	ND	ND
4/07/92	U-4	ND	ND	ND	ND	ND
3/05/92	U-4	ND	ND	ND	ND	ND
12/04/91	U-4	ND	ND	ND	ND	ND
9/19/91	U-4	ND	ND	ND	ND	ND
6/03/91	U-4	ND	ND	ND	ND	ND
3/04/91	U-4	ND	ND	ND	ND	ND
1/18/91	U-4	ND	ND	ND	ND	ND
12/05/90	U-4	ND	ND	ND	ND	ND
8/23/90	U-4	ND	ND	1.0	ND	1.8
9/12/95	U-5	ND	ND	ND	ND	ND
6/13/95	U-5	ND	ND	ND	ND	ND
3/09/95	U-5	ND	ND	ND	ND	ND
12/05/94	U-5	ND	ND	ND	ND	ND
9/07/94	U-5	ND	ND	0.73	ND	0.84
6/09/94	U-5	ND	ND	ND	ND	ND
4/13/94	U-5	ND	ND	ND	ND	ND
3/09/94	U-5	71	1.7	6.3	1.5	10
12/02/93	U-5	ND	ND	ND	ND	ND
9/09/93	U-5	ND	ND	ND	ND	ND
6/04/93	U-5	ND	ND	ND	ND	ND
2/12/93	U-5	ND	ND	ND	ND	ND
11/20/92	U-5	ND	ND	ND	ND	ND

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES  
 WATER

Date	Well #	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	
8/06/92	U-5	ND	ND	ND	ND	ND	
4/07/92	U-5	ND	ND	ND	ND	ND	
9/12/95	U-6	ND	ND	ND	ND	ND	
6/13/95	U-6	1,300	ND	ND	20	46	
3/09/95	U-6	2,500	29	ND	70	120	
12/05/94	U-6	450**	ND	ND	ND	ND	
9/07/94	U-6	1,600*	ND	ND	ND	ND	
6/09/94	U-6	2,600*	16	ND	29	ND	
3/09/94	U-6	2,200	11	8.2	24	16	
12/02/93	U-6	2,100	12	1.6	21	1.1	
9/09/93	U-6	6,300◆◆	29	ND	120	34	
6/04/93	U-6	13,000	100	38	450	320	
2/12/93	U-6	2,600	27	ND	120	51	
11/20/92	U-6	WELL WAS INACCESSIBLE					
8/06/92	U-6	9,200	160	ND	360	150	
4/07/92	U-6	6,600	90	ND	820	1,200	
9/12/95	U-7	ND	ND	ND	ND	ND	
6/13/95	U-7	ND	ND	ND	ND	ND	
3/09/95	U-7	ND	ND	ND	ND	ND	
12/05/94	U-7	ND	ND	ND	ND	ND	
9/07/94	U-7	ND	ND	ND	ND	ND	
6/09/94	U-7	ND	ND	ND	ND	ND	
4/13/94	U-7	ND	ND	ND	ND	ND	
3/09/94	U-7	ND	1.4	4.4	0.96	7.5	
12/02/93	U-7	ND	ND	ND	ND	ND	
9/09/93	U-7	ND	ND	ND	ND	ND	
6/04/93	U-7	ND	ND	ND	ND	ND	
2/12/93	U-7	ND	ND	ND	ND	ND	
11/20/92	U-7	ND	ND	ND	ND	ND	
8/06/92	U-7	ND	ND	ND	ND	ND	
4/07/92	U-7	ND	ND	ND	ND	ND	

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES  
 WATER

<u>Date</u>	<u>Well #</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-benzene</u>	<u>Xylenes</u>
9/12/95	U-8	ND	ND	ND	ND	ND
6/13/95	U-8	ND	ND	ND	ND	ND
3/09/95	U-8	ND	ND	ND	ND	ND
12/05/94	U-8	ND	ND	ND	ND	ND
9/07/94	U-8	ND	ND	ND	ND	ND
6/09/94	U-8	ND	ND	ND	ND	ND
4/13/94	U-8	ND	ND	0.78	ND	0.98
3/09/94	U-8	ND	1.2	3.7	0.79	6.1
12/02/93	U-8	ND	ND	ND	ND	ND
9/09/93	U-8	ND	ND	ND	ND	ND
6/04/93	U-8	ND	ND	ND	ND	ND
2/12/93	U-8	ND	ND	ND	ND	ND
8/06/92	U-8	ND	ND	ND	ND	ND
4/07/92	U-8	ND	ND	ND	ND	ND
9/12/95	U-9	ND	ND	ND	ND	ND
6/13/95	U-9	ND	ND	ND	ND	ND
3/09/95	U-9	2,500**	ND	ND	ND	ND
12/05/94	U-9	3,700**	ND	ND	ND	ND
9/07/94	U-9	2,700**	ND	ND	ND	ND
6/09/94	U-9	2,900**	ND	ND	ND	ND
4/13/94	U-9	ND	ND	ND	ND	ND
3/09/94	U-9	5,700*	ND	ND	ND	ND
12/02/93	U-9	ND	ND	ND	ND	ND
9/09/93	U-9	1,200◆	ND	ND	ND	ND
6/04/93	U-9	2,100◆	ND	ND	ND	ND

---

---

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES  
WATER

---

---

- \* Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be gasoline and non-gasoline mixture.
- \*\* Sequoia Analytical Laboratory reported that the hydrocarbon detected did not appear to be gasoline.
- ▲ Product Skimmer installed in well
- ▲▲ Ethylbenzene and xylenes were combined prior to March 1990.
- ◆ The concentration reported as gasoline is primarily due to the presence of a discrete hydrocarbon peak not indicative of standard gasoline.
- ◆◆ The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.

ND = Non-detectable.

Results are in micrograms per liter ( $\mu\text{g/L}$ ), unless otherwise indicated.

Notes: Laboratory analyses data prior to December 2, 1993, were provided by GeoStrategies, Inc.

TABLE 4

SUMMARY OF LABORATORY ANALYSES  
WATER

<u>Date</u>	<u>Well #</u>	<u>MTBE</u>
9/12/95	U1	1,400
6/13/95	U1	2,800
3/09/95	U1	1,500
9/12/95	U2	ND
6/13/95	U2	ND
3/09/95	U2	ND
9/12/95	U3	29,000
6/13/95	U3	900
3/09/95	U3	54,000
9/12/95	U4	ND
6/13/95	U4	2.7
3/09/95	U4	ND
9/12/95	U5	ND
6/13/95	U5	0.87
3/09/95	U5	ND
9/12/95	U6	6,600
6/13/95	U6	5,400
3/09/95	U6	320
9/12/95	U7	ND
6/13/95	U7	3.5
3/09/95	U7	ND
9/12/95	U8	ND
6/13/95	U8	ND
3/09/95	U8	ND
9/12/95	U9	1,600
6/13/95	U9	1,200
3/09/95	U9	5,800



---

---

TABLE 3 (Continued)

SUMMARY OF LABORATORY ANALYSES  
WATER

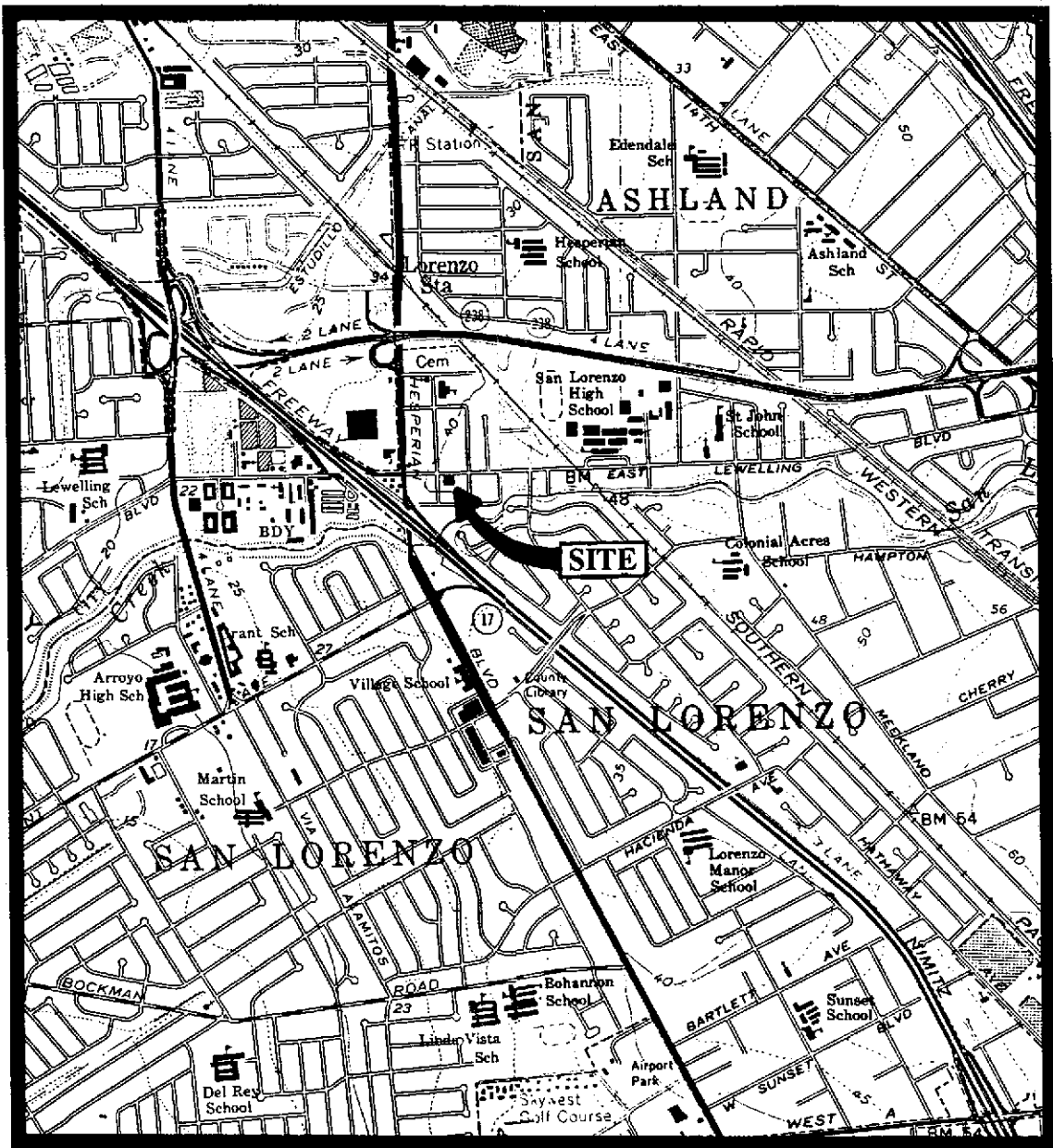
---

---

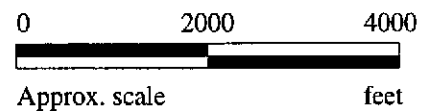
MTBE = methyl tert butyl ether

ND = Non-detectable.

$\mu\text{g/L}$  = micrograms per liter.



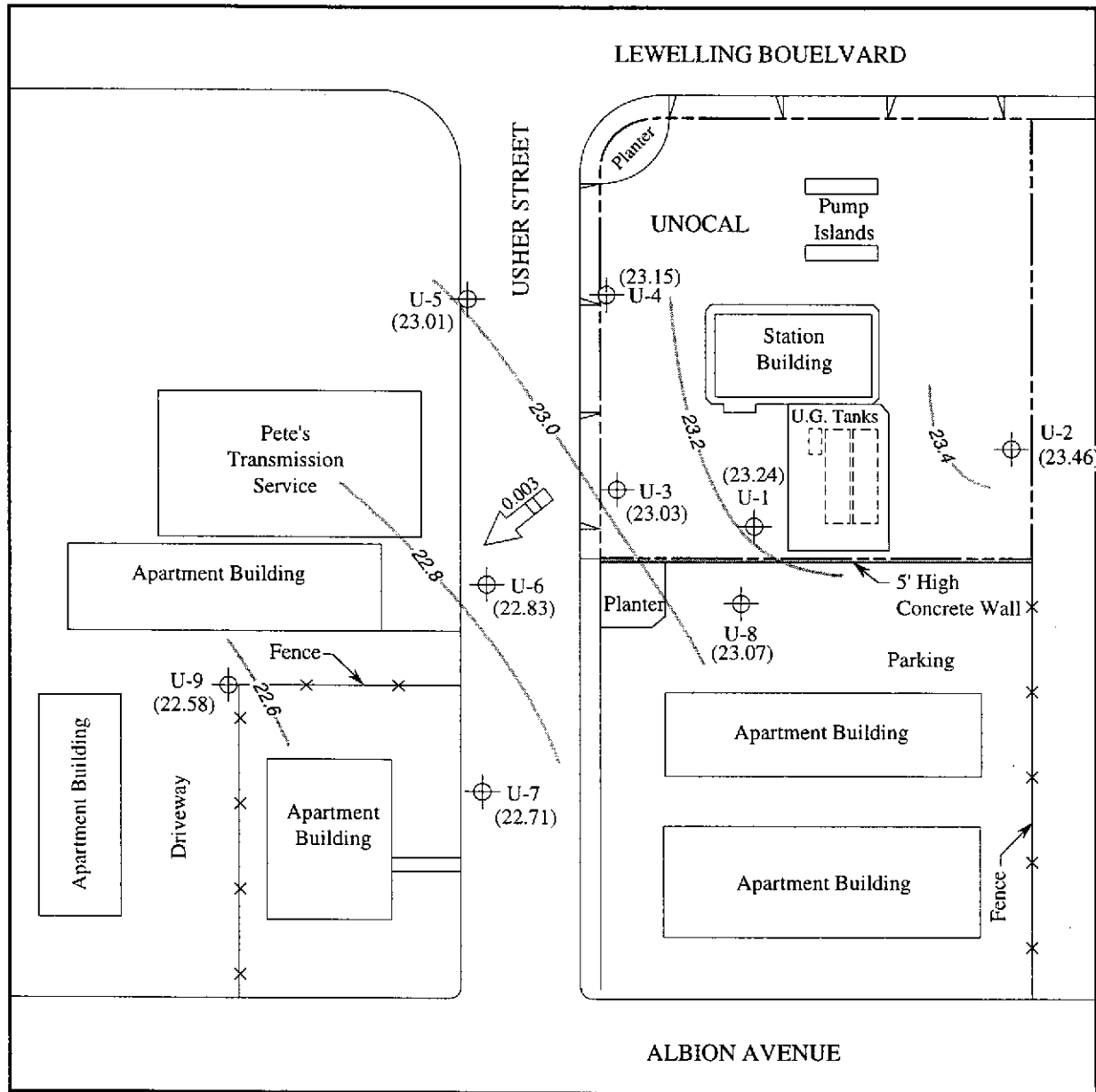
Base modified from 7.5 minute U.S.G.S.  
Hayward and San Leandro Quadrangles  
(both photorevised 1980)



**MPDS** SERVICES, INCORPORATED

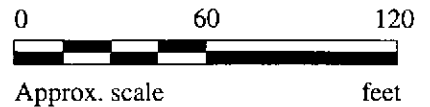
**UNOCAL SERVICE STATION #5760  
376 LEWELLING BOULEVARD  
SAN LORENZO, CALIFORNIA**

**LOCATION  
MAP**

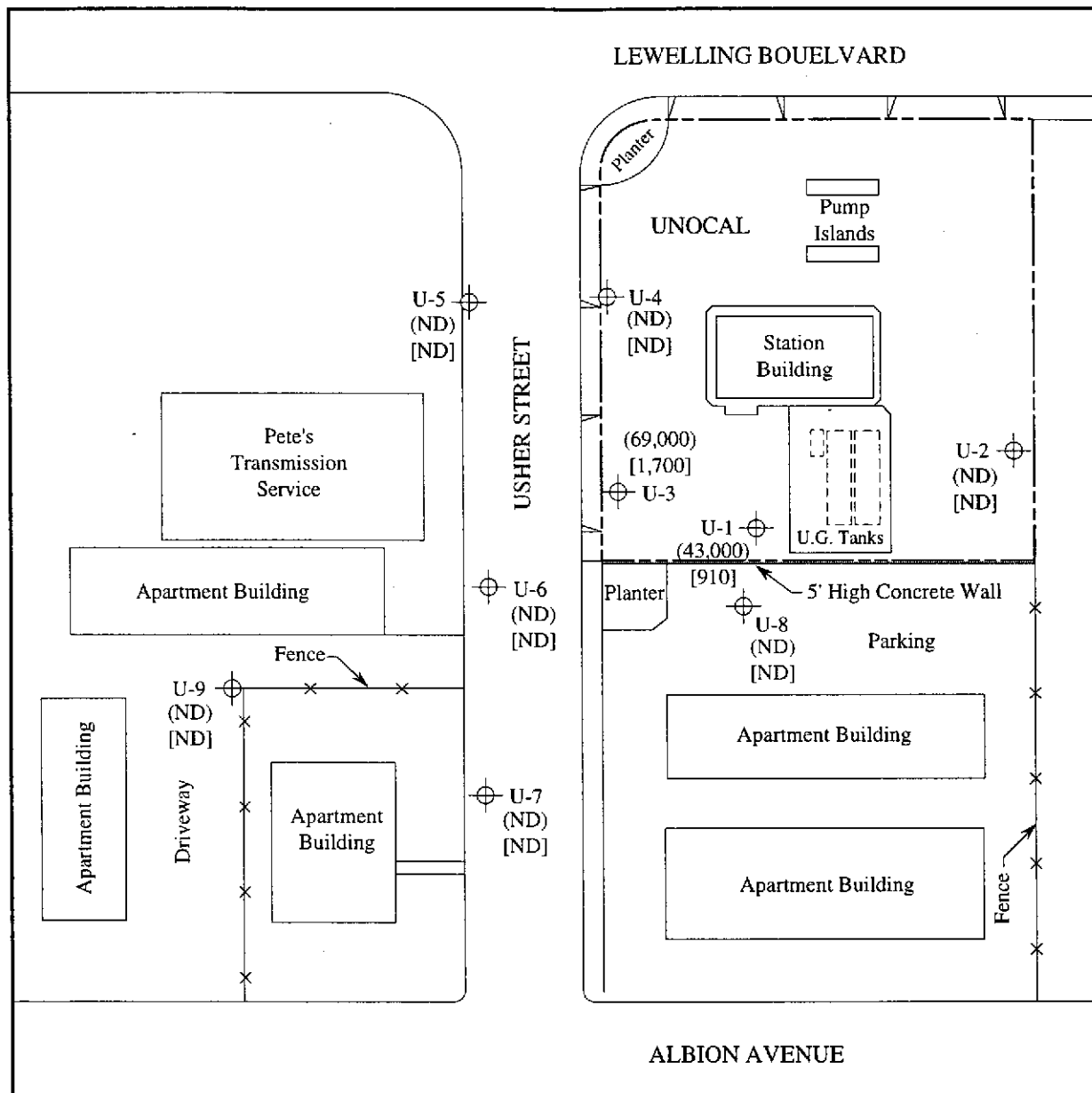


**LEGEND**

- ⊕ Monitoring well
- ( ) Ground water elevation in feet above Mean Sea Level
- ### → Direction of ground water flow with approximate hydraulic gradient
- Contours of ground water elevation

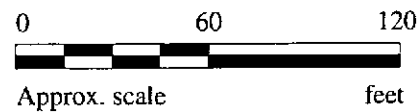


**POTENTIOMETRIC SURFACE MAP FOR THE SEPTEMBER 12, 1995 MONITORING EVENT**



**LEGEND**

- ⊕ Monitoring well
- ( ) Concentration of TPH as gasoline in  $\mu\text{g/L}$
- [ ] Concentration of benzene in  $\mu\text{g/L}$
- ND Non-detectable



**PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON SEPTEMBER 12, 1995**



MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix Descript: Water  
Analysis Method: EPA 5030/8015 Mod./8020  
First Sample #: 509-0795

Sampled: Sep 12, 1995  
Received: Sep 12, 1995  
Reported: Sep 28, 1995

**TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION**

Sample Number	Sample Description	Purgeable Hydrocarbons µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L	MTBE µg/L
509-0795	U 1	43,000	910	2,700	1,700	9,600	1,400
509-0796	U 2	ND	ND	ND	ND	ND	ND
509-0797	U 3	69,000	1,700	820	4,000	19,000	29,000
509-0798	U 4	ND	ND	ND	ND	ND	ND
509-0799	U 5	ND	ND	ND	ND	ND	ND
509-0800	U 6	ND	ND	ND	ND	ND	6,600
509-0801	U 7	ND	ND	ND	ND	ND	ND
509-0802	U 8	ND	ND	ND	ND	ND	ND
509-0803	U 9	ND	ND	ND	ND	ND	1,600
509-0804	ES 1	ND	1.8	4.4	ND	1.7	ND

<b>Detection Limits:</b>	<b>50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.60</b>
--------------------------	-----------	-------------	-------------	-------------	-------------	-------------

Total Purgeable Petroleum Hydrocarbons are quantitated against a fresh gasoline standard.  
Analytes reported as ND were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix Descript: Water  
Analysis Method: EPA 5030/8015 Mod./8020  
First Sample #: 509-0795

Sampled: Sep 12, 1995  
Received: Sep 12, 1995  
Reported: Sep 28, 1995

### TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Chromatogram Pattern	DL Mult. Factor	Date Analyzed	Instrument ID	Surrogate Recovery, % QC Limits: 70-130
509-0795	U 1	Gasoline	100	9/22/95	HP-9	78
509-0796	U 2	--	1.0	9/22/95	HP-9	91
509-0797	U 3	Gasoline	400	9/23/95	HP-5	79
509-0798	U 4	--	1.0	9/22/95	HP-9	93
509-0799	U 5	--	1.0	9/25/95	HP-5	99
509-0800	U 6	--	40	9/25/95	HP-5	83
509-0801	U 7	--	1.0	9/25/95	HP-5	89
509-0802	U 8	--	1.0	9/25/95	HP-2	106
509-0803	U 9	--	4.0	9/26/95	HP-2	103
509-0804	ES 1	--	1.0	9/25/95	HP-5	90

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp  
Project Manager

5090795.MPD <2>





MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520 Attention: Sarkis Karkarian	Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo Matrix Descript: Water Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 509-0805	Sampled: Sep 12, 1995 Received: Sep 12, 1995 Reported: Sep 28, 1995
--	---	---

**TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION**

Sample Number	Sample Description	Purgeable Hydrocarbons µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	Total Xylenes µg/L	MTBE µg/L
509-0805	ES 2	ND	1.5	4.6	ND	1.8	ND
509-0806	ES 3	ND	ND	ND	ND	ND	ND

<b>Detection Limits:</b>	<b>50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.60</b>
--------------------------	-----------	-------------	-------------	-------------	-------------	-------------

Total Purgeable Petroleum Hydrocarbons are quantitated against a fresh gasoline standard.  
Analytes reported as ND were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





**Sequoia  
Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

MPDS Services	Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo	Sampled: Sep 12, 1995
2401 Stanwell Dr., Ste. 300	Matrix Descript: Water	Received: Sep 12, 1995
Concord, CA 94520	Analysis Method: EPA 5030/8015 Mod./8020	Reported: Sep 28, 1995
Attention: Sarkis Karkarian	First Sample #: 509-0805	

### TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Sample Number	Sample Description	Chromatogram Pattern	DL Mult. Factor	Date Analyzed	Instrument ID	Surrogate Recovery, % QC Limits: 70-130
509-0805	ES 2	--	1.0	9/25/95	HP-5	87
509-0806	ES 3	--	1.0	9/25/95	HP-9	101

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager

5090795.MPD <4>







MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix: Liquid

QC Sample Group: 5090795-806

Reported: Sep 28, 1995

**QUALITY CONTROL DATA REPORT**

<b>ANALYTE</b>	Benzene	Toluene	Ethyl Benzene	Xylenes
<b>Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020
<b>Analyst:</b>	K. Nill	K. Nill	K. Nill	K. Nill

<b>MS/MSD Batch#:</b>	5090698	5090698	5090698	5090698
<b>Date Prepared:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Date Analyzed:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Instrument I.D.#:</b>	HP-2	HP-2	HP-2	HP-2
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L
<b>Matrix Spike % Recovery:</b>	100	100	100	102
<b>Matrix Spike Duplicate % Recovery:</b>	95	95	95	97
<b>Relative % Difference:</b>	5.1	5.1	5.1	5.0

<b>LCS Batch#:</b>	1LCS092595	1LCS092595	1LCS092595	1LCS092595
<b>Date Prepared:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Date Analyzed:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Instrument I.D.#:</b>	HP-2	HP-2	HP-2	HP-2
<b>LCS % Recovery:</b>	109	106	109	109

<b>% Recovery Control Limits:</b>	71-133	72-128	72-130	71-120
---------------------------------------	--------	--------	--------	--------

**Please Note:**

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

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix: Liquid

QC Sample Group: 5090795-806

Reported: Sep 28, 1995

**QUALITY CONTROL DATA REPORT**

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
<b>Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020
<b>Analyst:</b>	K. Nill	K. Nill	K. Nill	K. Nill

<b>MS/MSD Batch#:</b>	5092395	5092395	5092395	5092395
<b>Date Prepared:</b>	9/23/95	9/23/95	9/23/95	9/23/95
<b>Date Analyzed:</b>	9/23/95	9/23/95	9/23/95	9/23/95
<b>Instrument I.D.#:</b>	HP-5	HP-5	HP-5	HP-5
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L
<b>Matrix Spike % Recovery:</b>	100	100	95	98
<b>Matrix Spike Duplicate % Recovery:</b>	90	90	90	95
<b>Relative % Difference:</b>	11	11	5.4	3.4

<b>LCS Batch#:</b>	3LCS092395	3LCS092395	3LCS092395	3LCS092395
<b>Date Prepared:</b>	9/23/95	9/23/95	9/23/95	9/23/95
<b>Date Analyzed:</b>	9/23/95	9/23/95	9/23/95	9/23/95
<b>Instrument I.D.#:</b>	HP-5	HP-5	HP-5	HP-5
<b>LCS % Recovery:</b>	101	104	95	99

<b>% Recovery Control Limits:</b>	71-133	72-128	72-130	71-120
---------------------------------------	--------	--------	--------	--------

**Please Note:**

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

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix: Liquid

QC Sample Group: 5090795-806

Reported: Sep 28, 1995

**QUALITY CONTROL DATA REPORT**

<b>ANALYTE</b>	Benzene	Toluene	Ethyl Benzene	Xylenes
<b>Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020
<b>Analyst:</b>	K. NIII	K. NIII	K. NIII	K. NIII

<b>MS/MSD Batch#:</b>	5090801	5090801	5090801	5090801
<b>Date Prepared:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Date Analyzed:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Instrument I.D.#:</b>	HP-5	HP-5	HP-5	HP-5
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L
<b>Matrix Spike % Recovery:</b>	90	90	90	92
<b>Matrix Spike Duplicate % Recovery:</b>	90	90	90	92
<b>Relative % Difference:</b>	0.0	0.0	0.0	0.0

<b>LCS Batch#:</b>	3LCS092595	3LCS092595	3LCS092595	3LCS092595
<b>Date Prepared:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Date Analyzed:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Instrument I.D.#:</b>	HP-5	HP-5	HP-5	HP-5
<b>LCS % Recovery:</b>	90	89	90	92

<b>% Recovery Control Limits:</b>	71-133	72-128	72-130	71-120
---------------------------------------	--------	--------	--------	--------

**Please Note:**

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

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix: Liquid

QC Sample Group: 5090795-806

Reported: Sep 28, 1995

**QUALITY CONTROL DATA REPORT**

<b>ANALYTE</b>	Benzene	Toluene	Ethyl Benzene	Xylenes
<b>Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020
<b>Analyst:</b>	K. Nill	K. Nill	K. Nill	K. Nill

<b>MS/MSD Batch#:</b>	5090764	5090764	5090764	5090764
<b>Date Prepared:</b>	9/22/95	9/22/95	9/22/95	9/22/95
<b>Date Analyzed:</b>	9/22/95	9/22/95	9/22/95	9/22/95
<b>Instrument I.D.#:</b>	HP-9	HP-9	HP-9	HP-9
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L
<b>Matrix Spike % Recovery:</b>	95	100	95	107
<b>Matrix Spike Duplicate % Recovery:</b>	95	100	95	105
<b>Relative % Difference:</b>	0.0	0.0	0.0	1.6

<b>LCS Batch#:</b>	4LCS092295	4LCS092295	4LCS092295	4LCS092295
<b>Date Prepared:</b>	9/22/95	9/22/95	9/22/95	9/22/95
<b>Date Analyzed:</b>	9/22/95	9/22/95	9/22/95	9/22/95
<b>Instrument I.D.#:</b>	HP-9	HP-9	HP-9	HP-9
<b>LCS % Recovery:</b>	88	98	100	109

<b>% Recovery Control Limits:</b>	71-133	72-128	72-130	71-120
---------------------------------------	--------	--------	--------	--------

**Please Note:**

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

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord, CA 94520  
Attention: Sarkis Karkarian

Client Project ID: Unocal #5760, 375 Lewelling Blvd., San Lorenzo  
Matrix: Liquid

QC Sample Group: 5090795-806

Reported: Sep 28, 1995

**QUALITY CONTROL DATA REPORT**

<b>ANALYTE</b>	Benzene	Toluene	Ethyl Benzene	Xylenes
<b>Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020
<b>Analyst:</b>	K. Nill	K. Nill	K. Nill	K. Nill

<b>MS/MSD Batch#:</b>	5091240	5091240	5091240	5091240
<b>Date Prepared:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Date Analyzed:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Instrument I.D.#:</b>	HP-9	HP-9	HP-9	HP-9
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L
<b>Matrix Spike % Recovery:</b>	100	105	105	115
<b>Matrix Spike Duplicate % Recovery:</b>	90	90	95	108
<b>Relative % Difference:</b>	11	15	10	6.0

<b>LCS Batch#:</b>	4LCS092595	4LCS092595	4LCS092595	4LCS092595
<b>Date Prepared:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Date Analyzed:</b>	9/25/95	9/25/95	9/25/95	9/25/95
<b>Instrument I.D.#:</b>	HP-9	HP-9	HP-9	HP-9
<b>LCS % Recovery:</b>	96	100	100	111

<b>% Recovery Control Limits:</b>	71-133	72-128	72-130	71-120
---------------------------------------	--------	--------	--------	--------

**Please Note:**

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

**SEQUOIA ANALYTICAL, #1271**

Signature on File

Alan B. Kemp  
Project Manager





# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

MPDS Services  
2401 Stanwell Dr., Ste. 300  
Concord CA 94520  
Attention: Sarkis Karkarian

Date: 9/28/95

---

Sequoia Analytical has potentially identified the presence of MTBE at reportable levels for the following site(s):

Client Project I.D. - **Unocal #5760- San Lorenzo**

Sequoia Work Order # - **9509177**

---

**Sample Number:**

**Sample Description:**

5090795

U 1

5090797

U 3

5090800

U 6

5090803

U 9

**SEQUOIA ANALYTICAL, #1271**



Alan B. Kemp

Project Manager



**CHAIN OF CUSTODY**

9509177

SAMPLER			UNOCAL					ANALYSES REQUESTED							TURN AROUND TIME:	
RAY MARANGOSIAN			S/S # <u>5760</u> CITY: <u>SAN LORENZO</u>					TPH-GAS BTEX	TPH- DIESEL	TOG	8010	MTBE				REGULAR
WITNESSING AGENCY			ADDRESS: <u>375 LEWELING BLVD</u>													
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION									
U1	9-12-95	15:40	x	r		2	Well	x						5090795	AB	
U2	"	9:20	x	x		4	"	x						5090796		
U3	"	14:50	x	r		4	"	x						5090797		
U4	"	10:00	x	r		4	"	x						5090798		
U5	"	10:40	x	r		4	"	x						5090799		
U6	"	14:05	x	r		4	"	x						5090800		
U7	"	11:35	x	r		4	"	x						5090801		
U8	"	12:30	x	r		4	"	x						5090802		
U9	"	13:20	x	x		4	"	x						5090803		
RELINQUISHED BY:			DATE/TIME			RECEIVED BY:			DATE/TIME			THE FOLLOWING <u>MUST BE</u> COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:				
Ray Marangosian			9-12-95			[Signature]			9/12/95			1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? <u>YES</u>				
[Signature]			16:55			[Signature]			1300			2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? <u>YES</u>				
[Signature]			9-13			[Signature]			7-13			3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? <u>NO</u>				
[Signature]			[Signature]			[Signature]			9/13			4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? <u>YES</u>				
[Signature]			[Signature]			[Signature]			1430			SIGNATURE: [Signature] TITLE: OM DATE: 9/12/95				

Note: All water containers to be sampled for TPHG/BTEX, 8010 & B240 are preserved with HCL. All water containers to be sampled for Lead or Metals are preserved with HN03. All other containers are unpreserved.

**CHAIN OF CUSTODY**

9509177

SAMPLER			UNOCAL					ANALYSES REQUESTED							TURN AROUND TIME:			
RAY MARANGOSIAN			S/S # <u>5760</u> CITY: <u>SAN LORENZO</u>					TPH-GAS BTEX	TPH- DIESEL	TOG	8010							REGULAR
WITNESSING AGENCY			ADDRESS: <u>376 LEWELLING</u>															
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION											
ES1	9-12-95		X	X		1		X									5090804	
ES2	u		X	X		1		X									5090805	
ES3	1		X	X		1		X									5090806	
RELINQUISHED BY:		DATE/TIME		RECEIVED BY:			DATE/TIME		THE FOLLOWING <u>MUST BE</u> COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:									
Ray Marangosian		9/12/95 16:55		Phuf			9-12-95 1455		1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? <u>YES</u>									
(SIGNATURE)				(SIGNATURE)			BOO 9:15		2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? <u>YES</u>									
(SIGNATURE)		9-13		(SIGNATURE)			9/13 1430		3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? <u>NO</u>									
(SIGNATURE)				(SIGNATURE)					4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? <u>YES</u>									
(SIGNATURE)				(SIGNATURE)					SIGNATURE: <u>Phuf</u> TITLE: <u>OW</u> DATE: <u>9/12/95</u>									

**Note:** All water containers to be sampled for TPHG/BTEX, 8010 & 8240 are preserved with HCL. All water containers to be sampled for Lead or Metals are preserved with HN03. All other containers are unpreserved.