

MPDS-UN7004-10
July 30, 1996

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

Attention: Mr. Adadu Yemane

RE: Semi-Annual Data Report
Unocal Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

Dear Mr. Yemane:

This data report presents the results of the most recent semi-annual 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 semi-annual period are indicated in Table 1. Oxygen Release Compound (ORC[®]) filter socks were installed in monitoring well MW5 on July 12, 1996. 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 semi-annual period is shown on the attached Figure 1.

Ground water samples were collected on July 8, 1996. Prior to sampling, the wells were each purged of between 7.5 and 9.5 gallons of water. Dissolved oxygen concentrations were measured and are presented in Table 3. Samples were then collected using a clean Teflon bailer. The samples were decanted into clean VOA vials, 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, Trip blank and Field 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 documentation. The analytical results of the ground water samples collected to date are summarized in Table 2. The concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline and benzene detected in the ground water samples collected this semi-

MPDS-UN7004-10

July 30, 1996

Page 2

annual period 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 the Alameda County Health Care Services, and to Mr. Michael Bakaldin of the City of San Leandro Fire Department.

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

Sincerely,

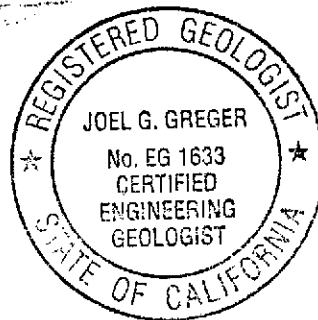
MPDS Services, Inc.



Haig (Gary) Tejirian
Senior Staff Geologist



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



License No. EG 1633
Exp. Date 8/31/98

/jfc

Attachments: Tables 1, 2 & 3
Location Map
Figures 1 & 2
Laboratory Analyses
Chain of Custody documentation

cc: Mr. Timothy R. Ross, Kaprealian Engineering, 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 on July 12, 1996)						
MW5	22.31	14.50	26.25	0	No	8
(Monitored and Sampled on July 8, 1996)						
MW1	23.65	12.74	24.18	0	No	8
MW2	23.70	13.37	24.35	0	No	7.5
MW3	23.50	13.29	24.68	0	No	8.5
MW4	23.40	12.04	25.60	0	No	9.5
MW5	23.29	13.52	26.09	0	No	9
MW6	23.42	13.71	25.58	0	No	8.5
(Monitored and Sampled on January 8, 1996)						
MW1	22.21	14.18	24.22	0	No	7
MW2	22.26	14.81	24.40	0	No	7
MW3	22.09	14.70	24.70	0	No	7
MW4	22.01	13.43	25.65	0	No	8.5
MW5	21.96	14.85	26.15	0	No	8
MW6	22.08	15.05	25.64	0	No	7.5
(Monitored and Sampled on October 12, 1995)						
MW1*	22.10	14.29	24.17	0	--	0
MW2*	22.19	14.88	24.34	0	--	0
MW3	21.98	14.81	24.65	0	No	7
MW4*	21.85	13.59	25.60	0	--	0
MW5	21.79	15.02	26.07	0	No	8
MW6*	21.96	15.17	25.57	0	--	0
(Monitored and Sampled on July 14, 1995)						
MW1	23.46	12.93	24.20	0	No	8
MW2	23.52	13.55	24.38	0	No	7.5
MW3	23.33	13.46	24.69	0	No	8
MW4	23.21	12.23	25.63	0	No	9.5
MW5	23.12	13.69	26.10	0	No	8.5
MW6	23.26	13.87	25.60	0	No	8

Table 1
Summary of Monitoring Data

Well #	Well Casing Elevation (feet)**
MW1	36.39
MW2	37.07
MW3	36.79
MW4	35.44
MW5	36.81
MW6	37.13

◆ The depth to water level and total well depth measurements were taken from the top of the well casings.

* Monitored only.

** The elevations of the top of the well casings are relative to Mean Sea Level (MSL), based on the City of San Leandro Benchmark (elevation = 36.04 feet MSL).

-- Sheen determination was not performed.

Table 2
 Summary of Laboratory Analyses
 Water

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	
MW1	7/8/96	ND	ND	ND	ND	ND	ND	
	1/8/96	ND	ND	ND	ND	ND	--	
	10/12/95	SAMPLED SEMI-ANNUALLY						
	7/14/95	ND	0.65	2.2	ND	2.3	--	
	1/5/95	ND	ND	ND	ND	ND	--	
	10/6/94	SAMPLED SEMI-ANNUALLY						
	7/8/94	ND	ND	ND	ND	ND	--	
	4/6/94	SAMPLED SEMI-ANNUALLY						
	1/11/94	ND	ND	ND	ND	ND	--	
	7/22/93	ND	ND	ND	ND	ND	77	
	4/20/93	--	--	--	--	--	56	
	1/21/93	ND	ND	ND	ND	ND	42	
	10/28/92	SAMPLED SEMI-ANNUALLY						
	7/9/92	70*	ND	ND	ND	ND	130	
	4/14/92	76*	ND	ND	ND	ND	--	
	1/14/92	ND	ND	ND	ND	ND	--	
	10/14/91	ND	ND	ND	ND	ND	--	
	7/23/91	ND	ND	ND	ND	ND	--	
	5/4/91	ND	ND	ND	ND	ND	--	
	MW2	7/8/96	100*	ND	ND	ND	ND	ND
1/8/96		91*	ND	ND	ND	ND	--	
10/12/95		SAMPLED SEMI-ANNUALLY						
7/14/95		86*	ND	ND	ND	ND	--	
1/5/95		310*	ND	ND	ND	ND	--	
10/6/94		SAMPLED SEMI-ANNUALLY						
7/8/94		140*	ND	ND	ND	ND	--	
4/6/94		SAMPLED SEMI-ANNUALLY						
1/11/94		120*	ND	ND	ND	ND	--	
7/22/93		62*	ND	ND	ND	ND	42	
4/20/93		--	--	--	--	--	80	
1/21/93		ND	ND	ND	ND	ND	17	
10/28/92		SAMPLED SEMI-ANNUALLY						
7/9/92		ND	ND	ND	ND	ND	49	
4/14/92		45*	ND	ND	ND	ND	--	
1/14/92		ND	ND	ND	ND	ND	--	
10/14/91		ND	ND	ND	ND	ND	--	
7/23/91		ND	ND	ND	ND	ND	--	
5/4/91		ND	ND	ND	ND	ND	--	

Table 2
 Summary of Laboratory Analyses
 Water

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE	
MW3	7/8/96	16,000	470	45	4,400	1,000	340	
	1/8/96	14,000	760	ND	3,100	380	††	
	10/12/95	17,000	1,000	ND	3,600	1,000	†	
	7/14/95	21,000	1,600	ND	3,900	1,500	--	
	4/5/95	18,000	2,100	ND	3,700	690	--	
	1/5/95	20,000	2,100	ND	3,200	3,800	--	
	10/6/94	20,000	2,100	26	3,000	900	--	
	7/8/94	18,000	2,200	25	2,500	860	--	
	4/6/94	24,000	3,100	ND	3,300	820	--	
	1/11/94	19,000	3,300	31	3,300	890	--	
	10/6/93	24,000	4,100	ND	3,600	2,000	ND	
	7/22/93	16,000	4,500	17	3,600	1,900	440	
	4/20/93	18,000	3,700	11	2,300	1,300	410	
	1/21/93	12,000	2,800	11	1,600	590	--	
	10/28/92	15,000	4,400	15	2,400	800	--	
	7/9/92	13,000	3,200	12	1,900	1,100	--	
	4/14/92	16,000	3,400	19	1,400	1,300	--	
	1/14/92	13,000	6,600	19	2,600	1,800	--	
	10/14/91	25,000	6,300	78	2,000	1,400	--	
	7/23/91	17,000	5,500	26	1,800	2,800	--	
5/4/91	34,000	6,100	32	1,200	6,100	--		
MW4	7/8/96	ND	ND	ND	ND	ND	ND	
	1/8/96	ND	ND	ND	ND	ND	††	
	10/12/95	SAMPLED SEMI-ANNUALLY						
	7/14/95	ND	ND	ND	ND	ND	--	
	1/5/95	ND	ND	ND	ND	ND	--	
	10/6/94	SAMPLED SEMI-ANNUALLY						
	7/8/94	ND	ND	ND	ND	ND	--	
	4/6/94	SAMPLED SEMI-ANNUALLY						
	1/11/94	ND	ND	ND	ND	ND	--	
	7/22/93	ND	ND	ND	ND	ND	54	
	4/20/93	--	--	--	--	--	65	
	1/21/93	ND	ND	ND	ND	ND	--	
	10/28/92	SAMPLED SEMI-ANNUALLY						
	7/9/92	ND	ND	ND	ND	ND	--	
	4/14/92	ND	ND	ND	ND	ND	--	
	1/14/92	ND	ND	ND	ND	ND	--	
	10/14/91	ND	ND	ND	ND	ND	--	
7/23/91	ND	ND	ND	ND	ND	--		

Table 2
 Summary of Laboratory Analyses
 Water

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylenes	MTBE	
MW5	7/8/96	140	2.1	1.4	5.6	0.51	110	
	1/8/96	ND	0.55	ND	ND	0.58	††	
	10/12/95	310	ND	ND	31	1.2	†	
	7/14/95	180	1.3	ND	7.9	ND	--	
	4/5/95	ND	ND	ND	ND	ND	--	
	1/5/95	85	ND	ND	ND	ND	--	
	10/6/94	350	1.3	ND	ND	ND	--	
	7/8/94	200	ND	ND	ND	ND	--	
	4/6/94	260	1.4	ND	0.88	ND	--	
	1/11/94	160	ND	0.79	0.54	ND	--	
	10/6/93	150	1.1	ND	3.1	0.85	57	
	7/22/93	59**	ND	ND	2.6	ND	42	
	4/20/93	99*	ND	ND	ND	ND	120	
	1/21/93	100*	ND	ND	ND	ND	160	
	10/28/92	ND	ND	ND	ND	ND	45	
	7/9/92	ND	ND	ND	ND	ND	71	
	4/14/92	86*	ND	ND	ND	ND	--	
	1/14/92	60*	ND	ND	ND	ND	--	
	10/14/91	140	0.72	ND	1.3	0.89	--	
	7/23/91	260	1.2	0.39	10	0.71	--	
MW6	7/8/96	ND	ND	ND	ND	ND	ND	
	1/8/96	ND	ND	ND	ND	ND	--	
	10/12/95	SAMPLED SEMI-ANNUALLY						--
	7/14/95	ND	ND	ND	ND	ND	--	
	1/5/95	ND	ND	ND	ND	ND	--	
	10/6/94	SAMPLED SEMI-ANNUALLY						--
	7/8/94	ND	ND	ND	ND	ND	--	
	4/6/94	SAMPLED SEMI-ANNUALLY						--
	1/11/94	ND	ND	ND	ND	ND	--	
	7/22/93	ND	ND	ND	ND	ND	ND	
	4/20/93	--	--	--	--	--	ND	
	1/21/93	ND	ND	ND	ND	ND	--	
	10/28/92	SAMPLED SEMI-ANNUALLY						--
	7/9/92	ND	ND	ND	ND	ND	--	
	4/14/92	ND	ND	ND	ND	ND	--	
	1/14/92	ND	ND	ND	ND	ND	--	
	10/14/91	ND	ND	ND	ND	ND	--	
7/23/91	ND	ND	ND	ND	ND	--		

Table 2
Summary of Laboratory Analyses
Water

ND = Non-detectable.

MTBE = Methyl tert butyl ether.

† Sequoia Analytical Laboratory has potentially identified the presence of MTBE at reportable levels in the ground water sample collected from this well.

†† Sequoia Analytical Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 µg/L in the sample collected from this well.

* Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

** Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

-- Indicates analysis was not performed.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

Note: The detection limit for results reported as ND by Sequoia Analytical Laboratory is equal to the stated detection limit times the dilution factor indicated on the laboratory analytical sheets.

Prior to August 1, 1995, the total purgeable petroleum hydrocarbon (TPH as gasoline) quantification range used by Sequoia Analytical Laboratory was C4 - C12. Since August 1, 1995, the quantification range used by Sequoia Analytical Laboratory is C6 - C12.

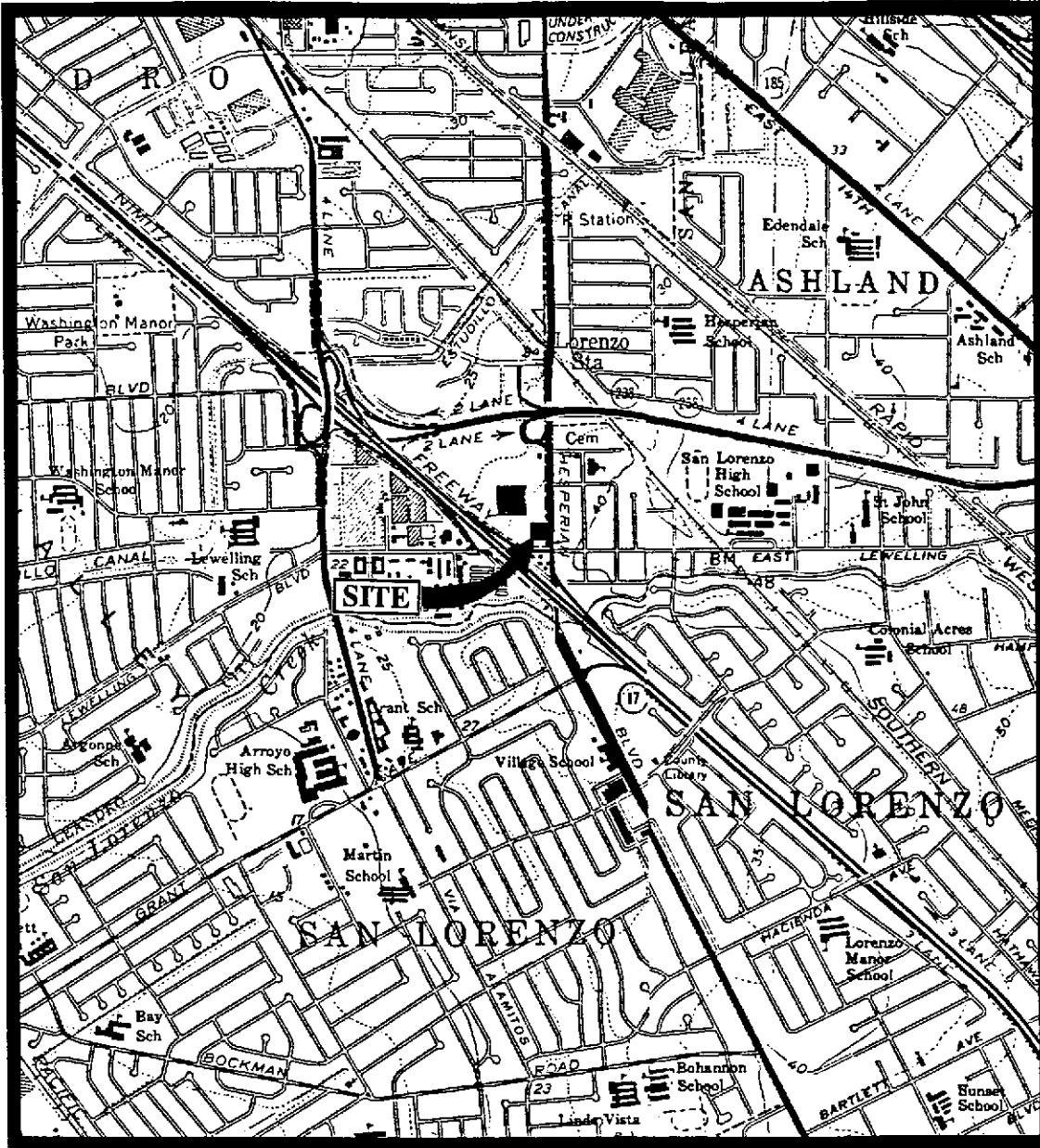
Laboratory analyses data prior to January 11, 1994, were provided by Kaprealian Engineering, Inc.

Table 3
Summary of Monitoring Data

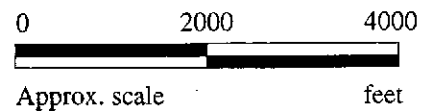
Well	Date	Dissolved Oxygen Concentrations	
		Before Purging (mg/L)	After Purging (mg/L)
MW5	7/12/96	3.44	3.67

mg/L = Milligrams per liter.

Note: Measurements were taken using a LaMotte DO4000 dissolved oxygen meter.



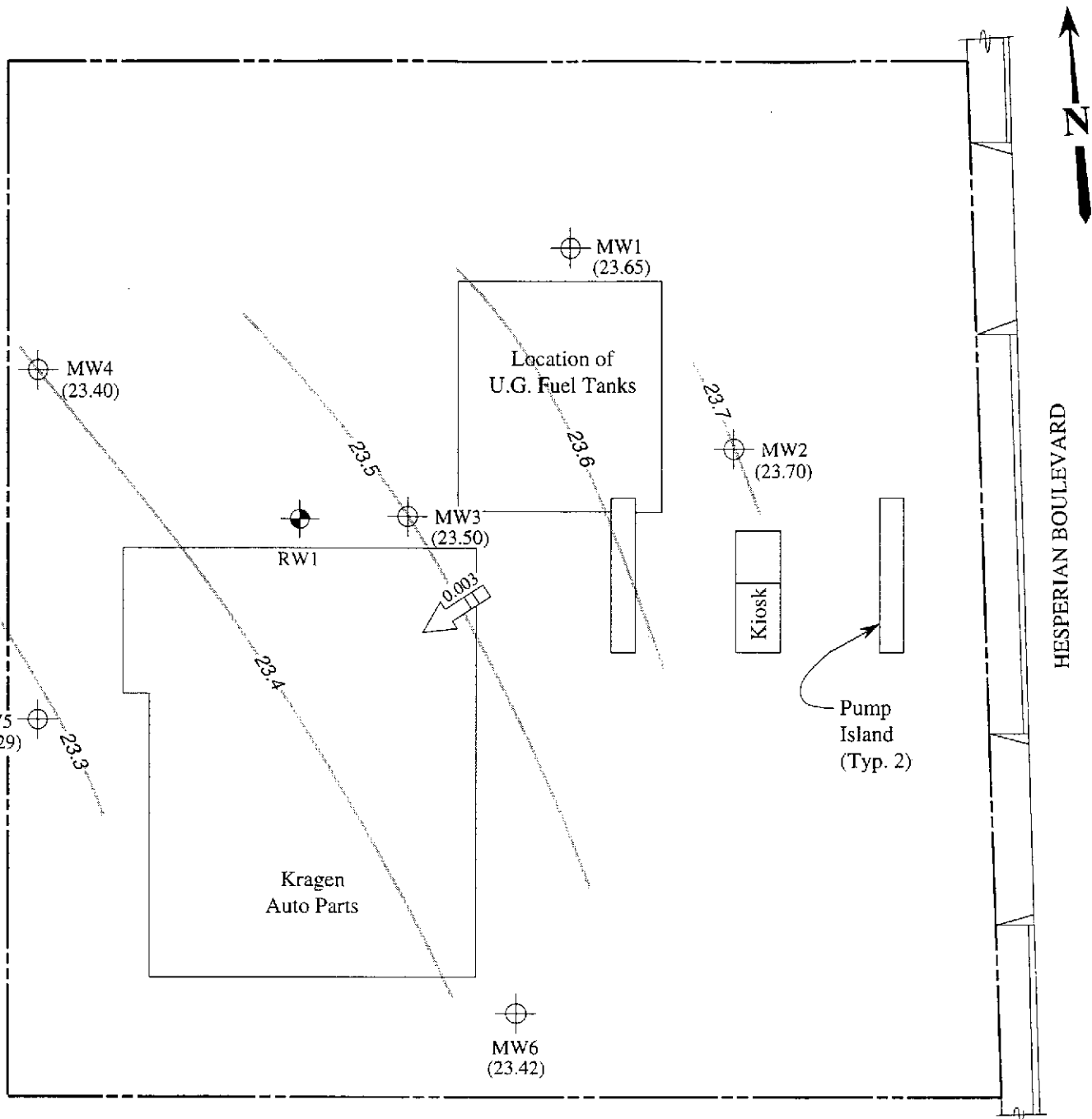
Base modified from 7.5 minute U.S.G.S. Hayward and San Leandro Quadrangles
(both photorevised 1980)



MPDS SERVICES, INCORPORATED

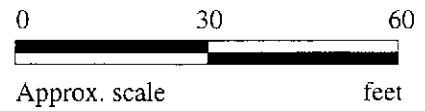
**UNOCAL SERVICE STATION #7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA**

**LOCATION
MAP**



LEGEND

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

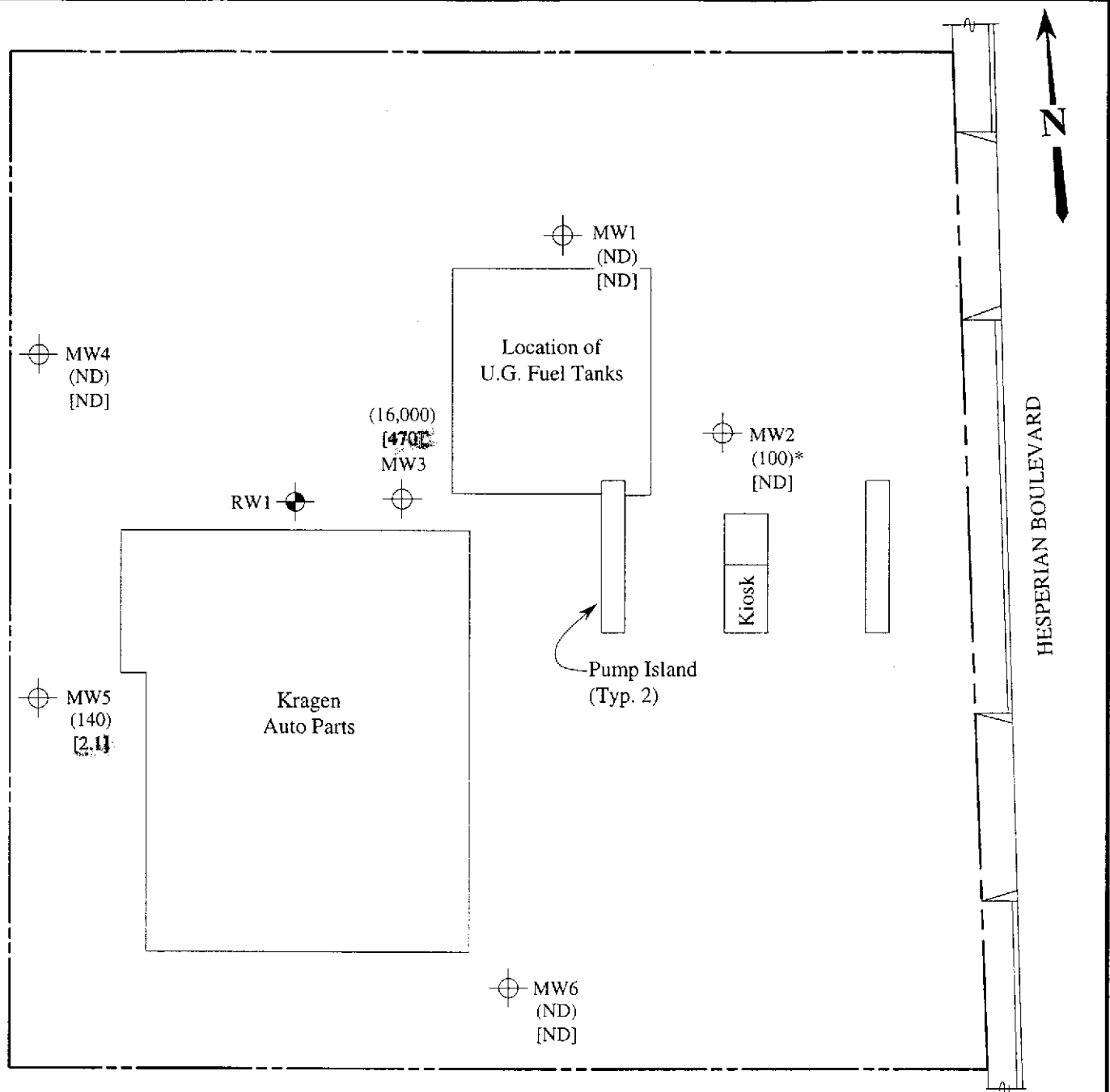


POTENTIOMETRIC SURFACE MAP FOR THE JULY 8, 1996 MONITORING EVENT

MPDS SERVICES, INCORPORATED

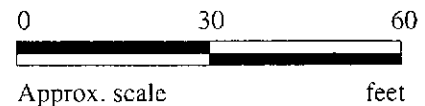
**UNOCAL SERVICE STATION #7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA**

**FIGURE
1**



LEGEND

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



* The lab reported that the hydrocarbons detected did not appear to be gasoline.

PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON JULY 8, 1996



**UNOCAL SERVICE STATION #7004
15599 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA**

**FIGURE
2**



MPDS Services	Client Project ID: Unocal #7004, 15599 Hesperian Blvd.,	Sampled: Jul 8, 1996
2401 Stanwell Dr., Ste. 300	Matrix Descript: Water San Leandro	Received: Jul 8, 1996
Concord, CA 94520	Analysis Method: EPA 5030/8015 Mod./8020	Reported: Jul 19, 1996
Attention: Jarrel Crider	First Sample #: 607-0499	

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
607-0499	MW-1	ND	ND	ND	ND	ND
607-0500	MW-2	100*	ND	ND	ND	ND
607-0501	MW-3	16,000	470	45	4,400	1,000
607-0502	MW-4	ND	ND	ND	ND	ND
607-0503	MW-5	140	2.1	1.4	5.6	0.51
607-0504	MW-6	ND	ND	ND	ND	ND
607-0505	ES-1	ND	ND	ND	ND	ND
607-0506	ES-2	ND	ND	ND	ND	ND
607-0507	ES-3	ND	ND	ND	ND	ND

* Hydrocarbons detected did not appear to be gasoline.

Detection Limits:	50	0.50	0.50	0.50	0.50
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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: Jarrel Crider	Client Project ID: Unocal #7004, 15599 Hesperian Blvd., Matrix Descript: Water San Leandro Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 607-0499	Sampled: Jul 8, 1996 Received: Jul 8, 1996 Reported: Jul 19, 1996
-----------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------

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
607-0499	MW-1	--	1.0	7/16/96	HP-11	100
607-0500	MW-2	Unidentified Hydrocarbons <C7*	1.0	7/16/96	HP-11	107
607-0501	MW-3	Gasoline	20	7/16/96	HP-11	113
607-0502	MW-4	--	1.0	7/16/96	HP-11	95
607-0503	MW-5	Gasoline	1.0	7/16/96	HP-11	97
607-0504	MW-6	--	1.0	7/16/96	HP-11	93
607-0505	ES-1	--	1.0	7/16/96	HP-11	92
607-0506	ES-2	--	1.0	7/16/96	HP-11	95
607-0507	ES-3	--	1.0	7/16/96	HP-11	95

SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
Project Manager

Please Note:

* "Unidentified Hydrocarbons <C7" refers to unidentified peaks in the EPA 8010 range.





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: Jarrel Crider

Client Project ID: Unocal #7004, 15599 Hesperian Blvd.,
Sample Descript: Water San Leandro
Analysis for: MTBE (Modified EPA 8020)
First Sample #: 607-0499

Sampled: Jul 8, 1996
Received: Jul 8, 1996
Analyzed: Jul 16, 1996
Reported: Jul 19, 1996

LABORATORY ANALYSIS FOR: MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit µg/L	Sample Result µg/L
607-0499	MW-1	40	N.D.
607-0500	MW-2	40	N.D.
607-0501	MW-3	40	340
607-0502	MW-4	40	N.D.
607-0503	MW-5	40	110
607-0504	MW-6	40	N.D.

Analytes reported as N.D. 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: Jarrel Crider

Client Project ID: Unocal #7004, 15599 Hesperian Blvd., San Leandro
Matrix: Liquid

QC Sample Group: 6070499-507

Reported: Jul 19, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	K. Nill	K. Nill	K. Nill	K. Nill

MS/MSD Batch#:	6070504	6070504	6070504	6070504
Date Prepared:	7/16/96	7/16/96	7/16/96	7/16/96
Date Analyzed:	7/16/96	7/16/96	7/16/96	7/16/96
Instrument I.D.#:	HP-11	HP-11	HP-11	HP-11
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	110	95	110	103
Matrix Spike Duplicate % Recovery:	105	90	100	97
Relative % Difference:	4.7	5.4	9.5	6.7

LCS Batch#:	11LCS071696	11LCS071696	11LCS071696	11LCS071696
Date Prepared:	7/16/96	7/16/96	7/16/96	7/16/96
Date Analyzed:	7/16/96	7/16/96	7/16/96	7/16/96
Instrument I.D.#:	HP-11	HP-11	HP-11	HP-11
LCS % Recovery:	105	90	100	98

% Recovery Control Limits:	60-140	60-140	60-140	60-140
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SEQUOIA ANALYTICAL, #1271

Signature on File

Alan B. Kemp
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.



M P D S Services, Inc.

2401 Stanwell Drive, Suite 400, Concord, CA 94520
 Tel: (510) 602-5120 Fax: (510) 689-1918

CHAIN OF CUSTODY

SAMPLER			UNOCAL					ANALYSES REQUESTED							TURN AROUND TIME:	
NICHOLAS PERROW			S/S # <u>7004</u> CITY: <u>SAN LEANDRO</u>					TPH-GAS BTEX	TPH-DIESEL	TOG	B010	MTBE				REG.
WITNESSING AGENCY			ADDRESS: <u>15599 HESPELLAW BLVD.</u>													
SAMPLE ID NO	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION									
MW-1	7/8/96	7:40	✓	✓		4 VOAS	WELL	✓				✓	6070499	A-D	↓	
MW-2	"	9:05	✓	✓		"	"	✓				✓	6070500			
MW-3	"	10:00	✓	✓		"	"	✓				✓	6070501			
MW-4	"	8:10	✓	✓		"	"	✓				✓	6070502			
MW-5	"	9:30	✓	✓		"	"	✓				✓	6070503			
MW-6	"	8:35	✓	✓		"	"	✓				✓	6070504			
RELINQUISHED BY:			DATE/TIME		RECEIVED BY:			THE FOLLOWING <u>MUST BE</u> COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:								
(SIGNATURE)			7/8/96 10:55		(SIGNATURE)			1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? Y								
(SIGNATURE)			7-8		(SIGNATURE)			2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Y								
(SIGNATURE)			7/8/96 1510		(SIGNATURE)			3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? N								
(SIGNATURE)			7/8/96 1058		(SIGNATURE)			4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y								
								SIGNATURE:		TITLE: <u>ANALYST</u>		DATE: <u>7/8/96</u>				

M P D S Services, Inc.

2401 Stanwell Drive, Suite 400, Concord, CA 94520
Tel: (510) 602-5120 Fax: (510) 689-1918

9607103

CHAIN OF CUSTODY

SAMPLER			UNOCAL					ANALYSES REQUESTED							TURN AROUND TIME:	
NICHOLAS PERROW			S/S # <u>7004</u> CITY: <u>SAN FRANCISCO</u>					TPH-GAS BTEX	TPH-DIESEL	TOG	8010					REG.
WITNESSING AGENCY			ADDRESS: <u>15599 HESPERIAN BLVD</u>													
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION									
ES-1	7/8/96		/			1 UDA		/		6070505						
ES-2	7/8/96		/			"		/		6070506						
ES-3	7/8/96		/			"		/		6070507						
RELINQUISHED BY:			DATE/TIME		RECEIVED BY:			THE FOLLOWING <u>MUST BE</u> COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:								
(SIGNATURE) <i>ML</i>			7/8/96 10:55		(SIGNATURE) <i>bl</i>			1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? X								
(SIGNATURE) <i>ML</i>			7-8 11:30		(SIGNATURE) <i>bl</i>			2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? Y								
(SIGNATURE) <i>ML</i>			7-8 15:00		(SIGNATURE) <i>bl</i>			3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? N								
(SIGNATURE) <i>ML</i>			7/8/96 10:55		(SIGNATURE) <i>bl</i>			4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? Y								
(SIGNATURE) <i>ML</i>			7/8/96 10:55		(SIGNATURE) <i>bl</i>			SIGNATURE: <i>ML</i>		TITLE: <i>ANALYST</i>		DATE: <i>7/8/96</i>				