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FEB 21 1996

February 20, 1996

Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502

Attention: Ms. Susan Hugo

RE: Unocal Service Station #3538
411 W. MacArthur Boulevard
Oakland, California

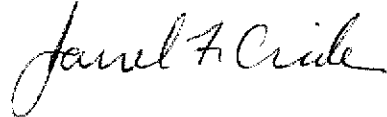
Dear Ms. Hugo:

Per the request of the Unocal Corporation Project Manager, Ms. Tina R. Berry, enclosed please find our most recent data report 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

MONITORING
PURGING
DISPOSING
SAMPLING

MPDS

SERVICES, INCORPORATED

RECEIVED
FEB 21 11:15 AM '96

MPDS-UN3538-09
February 8, 1996

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 Service Station #3538
411 W. MacArthur Boulevard
Oakland, 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 January 16, 1996. Prior to sampling, the wells were each purged of between 6 and 8 gallons of water. 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. Trip blank and Field blank samples (denoted as ES1 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 Tables 2 and 3. 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 Mrs. Susan Hugo of the Alameda County Health Care Services Agency.

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

Sincerely,

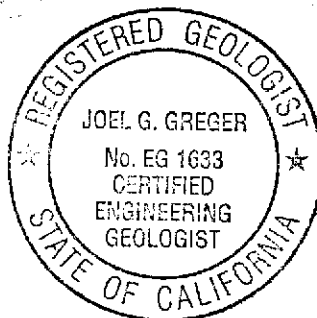
MPDS Services, Inc.



Haig (Gary) Tejirian
Senior Staff Geologist



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



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

/bp

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

cc: Mr. Thomas Berkins, 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 and Sampled on January 16, 1995)						
MW1*	54.90	17.20	21.33	0	--	0
MW2	54.80	16.58	28.05	0	No	8
MW3	53.91	17.95	25.15	0	No	6
MW4*	55.19	16.45	28.78	0	--	0
MW5*	54.12	17.11	30.18	0	--	0
MW6*	55.06	16.38	30.11	0	--	0
(Monitored and Sampled on October 26, 1995)						
MW1*	53.43	18.67	27.25	0	--	0
MW2	53.17	18.21	26.93	0	No	6
MW3	53.54	18.32	25.02	0	No	5
MW4*	53.47	18.17	28.74	0	--	0
MW5*	53.13	18.10	30.02	0	--	0
MW6*	53.56	17.88	30.17	0	--	0
(Monitored and Sampled on July 19, 1995)						
MW1	54.07	18.03	23.25	0	No	4
MW2	53.37	18.01	28.00	0	No	7
MW3	53.66	18.20	25.07	0	No	5
MW4	53.82	17.82	28.71	0	No	7.5
MW5	53.64	17.59	30.12	0	No	9
MW6	59.12	12.32	30.05	0	No	12.5
(Monitored and Sampled on April 17, 1995)						
MW1*	54.88	17.22	23.22	0	--	0
MW2	53.88	17.50	28.01	0	No	7.5
MW3	54.18	17.68	25.10	0	No	5.5
MW4*	54.43	17.21	28.72	0	--	0
MW5*	54.18	17.05	30.15	0	--	0
MW6*	60.14	11.30	30.17	0	--	0

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

<u>Well #</u>	<u>Well Casing Elevation (feet)**</u>
MW1	72.10
MW2	71.38
MW3	71.86
MW4	71.64
MW5	71.23
MW6	71.44

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

* Monitored only.

** The elevations of top of well casings are relative to Mean Seal Level (MSL), per the City of Oakland Benchmark #9NW10 (elevation = 75.50' MSL).

-- Sheen determination was not performed.

TABLE 2

**SUMMARY OF LABORATORY ANALYSES
 WATER**

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	
MW1	9/15/89	ND	ND	0.61	ND	ND	
	1/23/90	ND	1.5	2.3	ND	4.3	
	4/19/90	ND	ND	ND	ND	ND	
	7/17/90	ND	ND	ND	ND	ND	
	10/16/90	ND	ND	ND	ND	ND	
	1/15/91	ND	ND	ND	ND	ND	
	4/12/91	ND	ND	ND	ND	ND	
	7/15/91	ND	ND	ND	ND	ND	
	7/14/92	ND	ND	ND	ND	ND	
	7/14/93	ND	2.2	2.1	1.1	6.2	
	7/07/94	ND	ND	ND	ND	ND	
	10/05/94	SAMPLED ANNUALLY					
	7/19/95	ND	ND	ND	ND	ND	
	10/26/95	SAMPLED ANNUALLY					
	1/16/96	SAMPLED ANNUALLY					
MW2	9/15/89	290	ND	12	ND	ND	
	1/23/90	400	73	36	10	40	
	4/19/90	3,900	550	5.1	91	390	
	7/17/90	490	76	0.59	11	46	
	10/16/90	1,400	430	2.0	48	240	
	1/15/91	680	170	0.7	19	81	
	4/12/91	2,200	160	4.3	23	62	
	7/15/91	2,200	770	12	72	370	
	10/15/91	140	44	0.56	1.5	12	
	1/15/92	220	37	0.52	1.1	7.0	
	4/14/92	150	6.2	ND	ND	1.4	
	7/14/92	130	3.7	ND	ND	ND	
	10/12/92	370	3.4	0.56	ND	11	
	1/08/93	510♦	ND	ND	ND	ND	
	4/13/93	410♦♦	42	7.7	6.4	28	
	7/14/93	110♦	6.5	ND	ND	1.1	
	10/14/93	230♦	5.3	ND	ND	2.1	
	1/12/94	300	7.8	3.8	1.8	10	
	4/09/94	120	10	0.88	1.1	4.9	
	7/07/94	110♦	4.4	ND	ND	ND	

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
 WATER

Well #	Date	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes
MW2 (Cont)	10/05/94	720♦	20	ND	ND	3.1
	1/09/95	ND	ND	ND	ND	ND
	4/17/95	93	5.6	0.62	1.7	5.5
	7/19/95	77	32	0.58	1.7	4.1
	10/26/95	54♦♦	13	ND	ND	0.72
	1/16/96▼	120	23	ND	ND	0.99
MW3	9/15/89	32	ND	ND	ND	ND
	1/23/90	450	110	1.2	4.4	11
	4/19/90	3,100	600	27	54	220
	7/17/90	4,000	270	48	130	250
	10/16/90	740	210	1.4	2.5	82
	1/15/91	3,200	460	1.5	120	270
	4/12/91	880	170	1.1	34	110
	7/15/91	9,200	1,300	230	490	1,900
	10/15/91	3,100	390	34	150	390
	1/15/92	3,000	590	14	310	750
	4/14/92	14,000	660	48	560	2,000
	7/14/92	21,000	890	200	1,200	4,300
	10/12/92	3,200	160	10	230	540
	1/08/93	1,100♦♦	48	0.99	0.90	93
	4/13/93	12,000♦♦	290	38	760	2,300
	7/14/93	6,300	190	ND	430	1,000
	10/14/93	2,500	52	ND	110	250
	1/12/94	3,800	78	ND	180	390
	4/09/94	1,800	22	ND	140	280
	7/07/94	110♦	4.5	ND	ND	ND
	10/05/94	ND	ND	ND	ND	ND
	1/09/95	ND	0.68	ND	ND	ND
	4/17/95	3,700	80	10	270	510
	7/19/95	15,000	330	27	990	2,400
	10/26/95	14,000	420	180	750	1,600
	1/16/96▼	920	38	ND	30	57

TABLE 2 (Continued)

**SUMMARY OF LABORATORY ANALYSES
 WATER**

<u>Well #</u>	<u>Date</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl- Benzene</u>	<u>Xylenes</u>
MW4	9/15/89	ND	ND	ND	ND	ND
	1/23/90	ND	ND	0.40	ND	ND
	4/19/90	ND	ND	0.48	ND	ND
	7/17/90	ND	ND	ND	ND	ND
	10/16/90	ND	ND	ND	ND	ND
	1/15/91	ND	ND	ND	--	ND
	4/12/91	ND	ND	ND	ND	ND
	7/15/91	ND	ND	ND	ND	ND
	7/14/92	ND	1.3	2.5	ND	1.0
	7/14/93	ND	ND	ND	ND	ND
	7/07/94	ND	ND	ND	ND	ND
	10/05/94	SAMPLED ANNUALLY				
	7/19/95	ND	ND	ND	ND	ND
	10/26/95	SAMPLED ANNUALLY				
	1/16/96	SAMPLED ANNUALLY				
MW5	11/30/92	ND	ND	ND	ND	ND
	1/08/93	ND	ND	ND	ND	ND
	4/13/93	ND	ND	ND	ND	ND
	7/14/93	ND	ND	0.57	ND	ND
	10/14/93	ND	ND	ND	ND	ND
	1/12/94	ND	ND	0.84	ND	1.6
	7/07/94	ND	ND	ND	ND	ND
	10/05/94	SAMPLED ANNUALLY				
	7/19/95	ND	ND	ND	ND	ND
	10/26/95	SAMPLED ANNUALLY				
1/16/96	SAMPLED ANNUALLY					
MW6	11/30/92	ND	ND	ND	ND	ND
	1/08/93	ND	ND	ND	ND	ND
	4/13/93	ND	ND	ND	ND	ND
	7/14/93	ND	0.99	2.4	ND	1.9
	10/14/93	ND	ND	0.64	ND	ND
	1/12/94	ND	ND	1.2	ND	2.9
	7/07/94	ND	ND	ND	ND	ND
	10/05/94	SAMPLED ANNUALLY				
	7/19/95	ND	ND	ND	ND	ND
	10/26/95	SAMPLED ANNUALLY				
1/16/96	SAMPLED ANNUALLY					

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES
WATER

- ▼ Sequoia Analytical Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 $\mu\text{g/L}$ 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 a non-gasoline mixture.

ND = Non-detectable.

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

Note: Laboratory analyses data prior to January 12, 1994, were provided by Kaprealian Engineering, Inc.

TABLE 3

**SUMMARY OF LABORATORY ANALYSES
 WATER**

Well #	Date	TPH as Diesel	Total Oil & Grease (mg/L)	Tetrachloro-ethene*	MTBE
MW1	9/15/89	ND	ND	2.7	--
	1/23/90	ND	1.5	2.1	--
	4/19/90	ND	ND	2.2	--
	7/17/90	ND	ND	1.7	--
	10/16/90	ND	ND	2.0	--
	1/15/91	ND	ND	2.1	--
	4/12/91	ND	ND	2.0	--
	7/15/91	ND	ND	1.8	--
	7/14/92	--	--	1.4	--
	7/14/93	--	--	0.95	--
	7/07/94	--	--	0.83	--
	7/19/95	--	--	0.52	--
MW2	4/13/93	--	--	--	200
	7/14/93	--	--	--	250
	10/26/95	--	--	--	220
MW3	4/13/93	--	--	--	1,400
	7/14/93	--	--	--	860
	10/26/95	--	--	--	4,800

* All EPA method 8010 constituents were non-detectable, except for tetrachloroethene as indicated.

-- Indicates analysis was not performed.

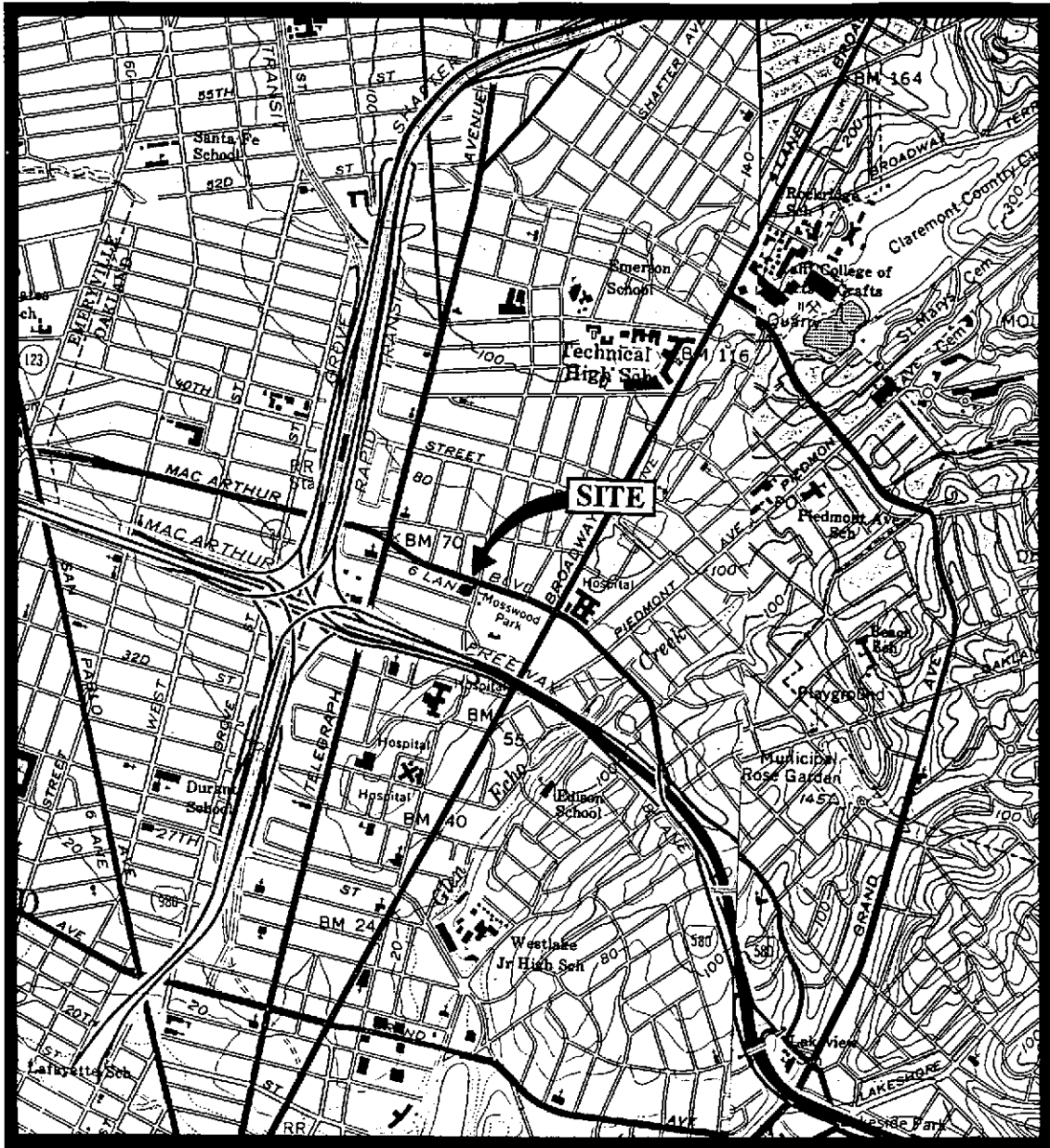
MTBE = methyl tert butyl ether.

ND = Non-detectable.

mg/L = milligrams per liter.

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

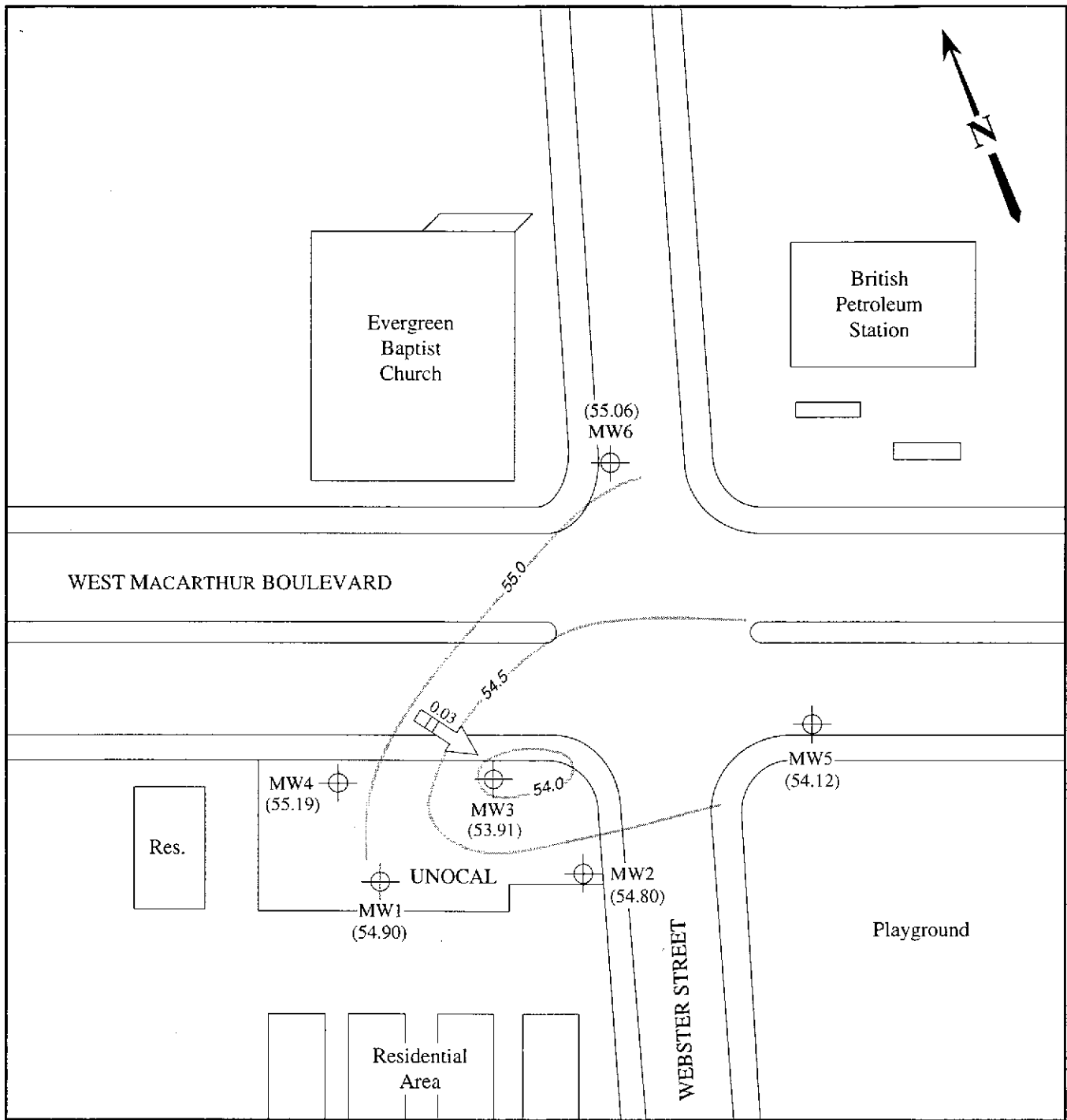
Note: Laboratory analyses data were provided by Kaprealian Engineering, Inc.







Base modified from 7.5 minute U.S.G.S. Oakland East & West Quadrangles
(both photorevised 1980)

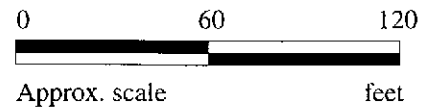


	<p>UNOCAL SERVICE STATION # 3538 411 W. MACARTHUR BOULEVARD OAKLAND, CALIFORNIA</p>	<p>LOCATION MAP</p>
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LEGEND

-  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

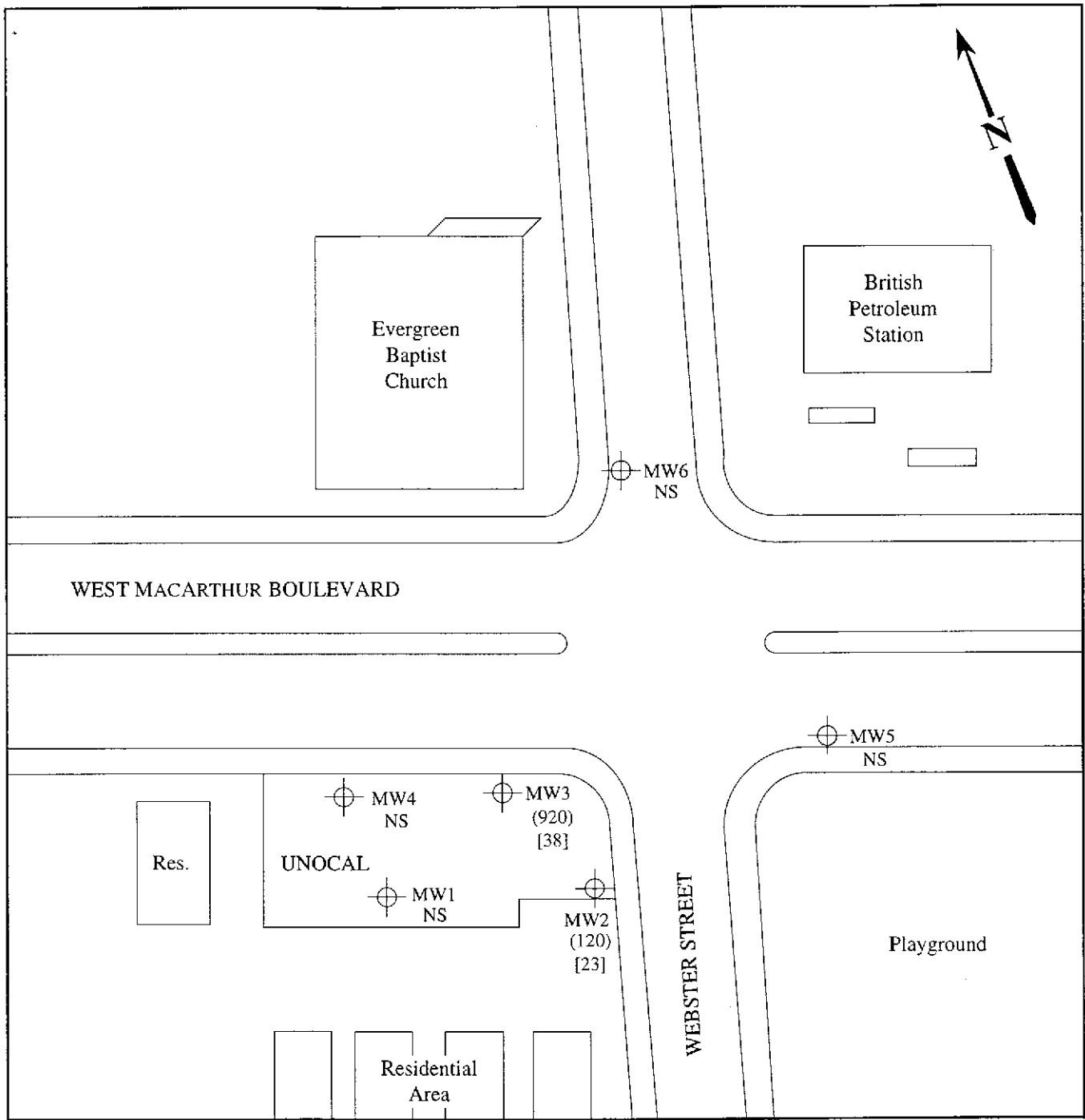


POTENTIOMETRIC SURFACE MAP FOR THE JANUARY 16, 1996 MONITORING EVENT

MPDS SERVICES, INCORPORATED

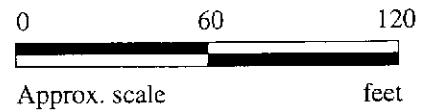
**UNOCAL SERVICE STATION # 3538
411 W. MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA**

**FIGURE
1**



LEGEND

- ⊕ Monitoring well
- () Concentration of TPH as gasoline in µg/L
- [] Concentration of benzene in µg/L
- NS Not sampled



PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON JANUARY 16, 1996



MPDS Services 2401 Stanwell Dr., Ste. 300 Concord, CA 94520 Attention: Jarrel Crider	Client Project ID: Unocal #3538, 411 W. McArthur, Oakland Matrix Descript: Water Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 601-0979	Sampled: Jan 16, 1996 Received: Jan 16, 1996 Reported: Feb 1, 1996
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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
601-0979	MW-2	120	23	ND	ND	0.99
601-0980	MW-3	920	38	ND	30	57
601-0981	ES1	ND	ND	ND	ND	ND
601-0982	ES3	ND	ND	ND	ND	ND

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	Client Project ID: Unocal #3538, 411 W. McArthur, Oakland	Sampled: Jan 16, 1996
2401 Stanwell Dr., Ste. 300	Matrix Descript: Water	Received: Jan 16, 1996
Concord, CA 94520	Analysis Method: EPA 5030/8015 Mod./8020	Reported: Feb 1, 1996
Attention: Jarrel Crider	First Sample #: 601-0979	

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
601-0979	MW-2	Gasoline	1.0	1/25/96	HP-2	115
601-0980	MW-3	Gasoline	10	1/26/96	HP-4	98
601-0981	ES1	--	1.0	1/27/96	HP-5	87
601-0982	ES3	--	1.0	1/27/96	HP-5	91

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 #3538, 411 W. McArthur, Oakland
 Matrix: Liquid

QC Sample Group: 6010979-982

Reported: Feb 1, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	S. Chullakorn	S. Chullakorn	S. Chullakorn	S. Chullakorn

MS/MSD Batch#:	6010809	6010809	6010809	6010809
Date Prepared:	1/26/96	1/26/96	1/26/96	1/26/96
Date Analyzed:	1/26/96	1/26/96	1/26/96	1/26/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	95	100	100	103
Matrix Spike Duplicate % Recovery:	110	110	110	112
Relative % Difference:	15	9.5	9.5	7.8

LCS Batch#:	2LCS012696	2LCS012696	2LCS012696	2LCS012696
Date Prepared:	1/26/96	1/26/96	1/26/96	1/26/96
Date Analyzed:	1/26/96	1/26/96	1/26/96	1/26/96
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	105	105	110	108

% Recovery Control Limits:	71-133	72-128	72-130	71-120
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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: Jarrel Crider	Client Project ID: Unocal #3538, 411 W. McArthur, Oakland Matrix: Liquid	QC Sample Group: 6010979-982	Reported: Feb 1, 1996
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QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	L. Huang	L. Huang	L. Huang	L. Huang

MS/MSD				
Batch#:	6010824	6010824	6010824	6010824
Date Prepared:	1/25/96	1/25/96	1/25/96	1/25/96
Date Analyzed:	1/25/96	1/25/96	1/25/96	1/25/96
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	105	100	95	100
Matrix Spike Duplicate % Recovery:	105	105	100	103
Relative % Difference:	0.0	4.9	5.1	3.3

LCS Batch#:	4LCS012596	4LCS012596	4LCS012596	4LCS012596
Date Prepared:	1/25/96	1/25/96	1/25/96	1/25/96
Date Analyzed:	1/25/96	1/25/96	1/25/96	1/25/96
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9
LCS % Recovery:	100	95	90	95

% Recovery Control Limits:	71-133	72-128	72-130	71-120
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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: Jarrel Crider

Client Project ID: Unocal #3538, 411 W. McArthur, Oakland
Matrix: Liquid

QC Sample Group: 6010979-982

Reported: Feb 1, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	S. Chullakorn	S. Chullakorn	S. Chullakorn	S. Chullakorn

MS/MSD Batch#:	6010981	6010981	6010981	6010981
Date Prepared:	1/27/96	1/27/96	1/27/96	1/27/96
Date Analyzed:	1/27/96	1/27/96	1/27/96	1/27/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Matrix Spike % Recovery:	100	95	100	98
Matrix Spike Duplicate % Recovery:	105	100	100	103
Relative % Difference:	4.9	5.1	0.0	5.0

LCS Batch#:	3LCS012796	3LCS012796	3LCS012796	3LCS012796
Date Prepared:	1/27/96	1/27/96	1/27/96	1/27/96
Date Analyzed:	1/27/96	1/27/96	1/27/96	1/27/96
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
LCS % Recovery:	97	94	95	96

% Recovery Control Limits:	71-133	72-128	72-130	71-120
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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
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(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

Date: 2/1/96

Sequoia Analytical has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 µg/L in the following site(s):

Client Project I.D. - **Unocal #3538, Oakland**

Sequoia Work Order # - **9601244**

Sample Number:

6010979

6010980

Sample Description:

MW2

MW3

SEQUOIA ANALYTICAL, #1271


Alan B. Kemp
Project Manager



CHAIN OF CUSTODY

SAMPLER		UNOCAL S/S # <u>3538</u> CITY: <u>OAKLAND</u>		ANALYSES REQUESTED										TURN AROUND TIME:
														<u>Regular</u>
WITNESSING AGENCY		ADDRESS: <u>411 W. McArthur</u>		TPH-GAS BTEX	TPH-DIESEL	TOG	8010							REMARKS
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION							
MW2	1-16-96	10:45	x	x		2	well	x						6010979 A,B
MW3	4	11:30	x	x		2	w	x						6010980 ↓

1306

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME	THE FOLLOWING <u>MUST BE</u> COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES:	
<u>Rory Marangosian</u>	<u>1-16-96 13:10</u>	<u>[Signature]</u>	<u>1310</u> <u>1/16/96</u>		1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? <u>yes</u>
<u>[Signature]</u>	<u>1/16/96</u>	<u>[Signature]</u>	<u>1445</u>		2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? <u>yes</u>
<u>[Signature]</u>	<u>1-16</u>	<u>[Signature]</u>	<u>1-16</u> <u>1600</u>		3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? <u>no</u>
					4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? <u>yes</u>
(SIGNATURE)		(SIGNATURE)		SIGNATURE: <u>[Signature]</u> TITLE: <u>Analyst</u> DATE: <u>1/16/96</u>	

Note: All water containers to be sampled for TPHG/BTEX, B010 & 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

1/16/96

SAMPLER RAY MARANGOSIAN			UNOCAL S/S # <u>3538</u> CITY: <u>OAKLAND</u>					ANALYSES REQUESTED							TURN AROUND TIME: <u>Regular</u>		
WITNESSING AGENCY			ADDRESS: <u>411 W. McArthur</u>					TPH-GAS BTEX	TPH- DIESEL	TOG	8010						
SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION										

SAMPLE ID NO.	DATE	TIME	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-GAS BTEX	TPH-DIESEL	TOG	8010						REMARKS
ES1	1.16.96		x	x		1		x			6010981						
ES3	u		x	x		1		x			6010982						

1300

RELINQUISHED BY: <u>Ray Marangosian</u>	DATE/TIME: <u>1-16-96 13:10</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>1/16/96 1310</u>	THE FOLLOWING MUST BE COMPLETED BY THE LABORATORY ACCEPTING SAMPLES FOR ANALYSES: 1. HAVE ALL SAMPLES RECEIVED FOR ANALYSIS BEEN STORED ON ICE? <u>yes</u> 2. WILL SAMPLES REMAIN REFRIGERATED UNTIL ANALYZED? <u>yes</u> 3. DID ANY SAMPLES RECEIVED FOR ANALYSIS HAVE HEAD SPACE? <u>no</u> 4. WERE SAMPLES IN APPROPRIATE CONTAINERS AND PROPERLY PACKAGED? <u>yes</u> SIGNATURE: <u>[Signature]</u> TITLE: <u>Analyst</u> DATE: <u>1/16/96</u>
(SIGNATURE) <u>[Signature]</u>	<u>1/16/96</u>	(SIGNATURE) <u>[Signature]</u>	<u>1445</u>	
(SIGNATURE) <u>[Signature]</u>	<u>1-16-96</u>	(SIGNATURE) <u>[Signature]</u>	<u>1/16 1600</u>	
(SIGNATURE)		(SIGNATURE)		
(SIGNATURE)		(SIGNATURE)		

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.