KEI-P90-1103.QR6 January 21, 1993

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

Attention: Mr. Edward C. Ralston

RE: Quarterly Report

Unocal Service Station #0752

800 Harrison Street Oakland, California

Dear Mr. Ralston:

This report presents the results of the most recent quarter of monitoring and sampling of the monitoring wells at the referenced site by Kaprealian Engineering, Inc. (KEI), per KEI's proposal (KEI-P90-1103.P2) dated November 13, 1991, and as modified in KEI's quarterly report (KEI-P90-1103.QR4) dated July 27, 1992. The wells are currently monitored monthly and sampled on a quarterly basis. This report covers the work performed by KEI from November through December of 1992.

BACKGROUND

The subject site contains a Unocal service station facility. Two underground gasoline storage tanks, one waste oil tank, and the product piping were removed from the site in November and December of 1990 during tank replacement activities. The fuel tank pit, waste oil tank pit, and one pump island were subsequently overexcavated in order to remove contaminated soil. Six monitoring wells and two exploratory borings have been installed at and in the vicinity of the site.

A site description, detailed background information including a summary of all of the soil and ground water subsurface investigation/remediation work conducted to date, site hydrogeologic conditions, and tables that summarize all of the soil and ground water sample analytical results are presented in KEI's report (KEI-P90-1103.R5) dated November 17, 1992.

RECENT FIELD ACTIVITIES

The six wells (MW1 through MW6) were monitored twice and were sampled once during the quarter. During monitoring, the wells were checked for depth to water and the presence of free product. Prior to sampling, the wells were also checked for the presence of a

KEI-P90-1103.QR6 January 21, 1993 Page 2

sheen. No free product or sheen was noted in any of the wells during the quarter. The monitoring data collected this quarter are summarized in Table 1.

Water samples were collected from the wells on <u>December 21</u>, <u>1992</u>. Prior to sampling, the wells were each purged of between 7 and 9 gallons of water by the use of a surface pump. The samples were collected by the use of 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 and stored in a cooler, on ice, until delivery to a state-certified laboratory.

HYDROLOGY

The measured depth to ground water at the site on December 21, 1992, ranged between 19.17 and 21.17 feet below grade. The water levels in all of the wells have shown net increases ranging from 0.04 to 0.10 feet since September 15, 1992. Based on the water level data gathered during the quarter, the ground water flow direction appeared to be to the south-southwest, as shown on the attached Potentiometric Surface Maps, Figures 1 and 2. The flow direction reported this quarter is similar to the south-southwesterly flow direction reported in the previous five quarters. The average hydraulic gradient across the site on December 21, 1992, was approximately 0.008.

ANALYTICAL RESULTS

The ground water samples were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, and benzene, toluene, xylenes, and ethylbenzene (BTX&E) by EPA method 8020. In addition, the ground water sample collected from monitoring well MW1 was analyzed for TPH as diesel by EPA method 3510/modified 8015, and for EPA method 8010 constituents.

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

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DISCUSSION AND RECOMMENDATIONS

Based on the analytical results for the ground water samples collected and evaluated to date, and no evidence of free product or sheen in any of the wells, KEI recommends the continuation of the current ground water monitoring and sampling program, per KEI's proposal (KEI-P90-1103.P2) dated November 13, 1991, and as modified in KEI's quarterly report (KEI-P90-1103.QR4) dated July 27, 1992.

As shown on the attached Figure 3, the extent of ground water contamination has not been defined in the vicinity of the site. Therefore, KEI recommends the installation of two additional monitoring wells in order to further define the extent of ground water contamination. The locations of the existing and proposed monitoring wells are shown on the attached Figure 4. Our work plan/proposal for this work is attached for your review and consideration.

DISTRIBUTION

A copy of this report should be sent to Ms. Jennifer Eberle of the Alameda County Health Care Services Agency, and to the Regional Water Quality Control Board, San Francisco Bay Region.

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.

Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state-certified laboratory. We have analyzed these data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

KEI-P90-1103.QR6 January 21, 1993 Page 4

If you have any questions regarding this report, please do not hesitate to call at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Thomas J. Berkins

Thomas J. Berkins

Senior Environmental Engineer

Joel G. Greger, C.E.G.

Joel 1/2

Senior Engineering Geologist

Timothy R. Dos

License No. 1633 Exp. Date 6/30/94

Timothy R. Ross Project Manager

/bp

Attachments:

Tables 1, 2 & 3

Location Map

Potentiometric Surface Maps - Figures 1 & 2

Concentrations of Petroleum Hydrocarbons - Figure 3 Existing and Proposed Monitoring Well Location Map -

Figure 4

Laboratory Analyses

Chain of Custody documentation

Work Plan/Proposal

TABLE 1
SUMMARY OF GROUND WATER MONITORING AND PURGING DATA

Well #	Ground Water Elevation (feet) (Monitored	Depth to Water (feet) and Sampled	Product Thickness (feet) on December	<u>Sheen</u>	Water Purged (gallons)
	(1100112001100			,	•
MW1	13.77	21.17	0	No	9
MW2	14.12	20.85	0	No	7
MW3	13.37	20.02	0	No	7
MW4	13.39	19.73	0	No	9
MW5	13.50	19.75	0	No	9
МWб	13.25	19.17	0	No	9
MW1	(Moni 13.45	tored on Nov	vember 16, 19	992)	0
MW2	13.81	21.16	Ō		0
MW3	13.01	20.38	0		0
MW4	13.02	20.10	0		0
MW5	13.17	20.08	0		0
MW6	12.89	19.53	0		О
		Su	rface Elevat	ion*	
	Well #		(feet)		
	MW1 MW2 MW3 MW4		34.94 34.97 33.39 33.12		
	MW5		33.25		

MW6

32.42

TABLE 1 (Continued)

SUMMARY OF GROUND WATER MONITORING AND PURGING DATA

- -- Sheen determination was not performed.
- * The elevations of the tops of the well covers have been surveyed relative to Mean Sea Level, per the City of Oakland Benchmark 25/A, which is located at the northeast corner of 7th Street and Harrison Street.

TABLE 2 SUMMARY OF LABORATORY ANALYSES WATER

<u>Date</u>	Sample Number	TPH as <u>Diesel</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Xylenes	Ethyl- <u>benzene</u>
12/21/9	2 MW1 MW2 MW3 MW4 MW5 MW6	ND	95 / 960 / 8,500 / 220*/ 1,700 / 2,300 /	0.69 97/ 1,500/ ND/ 51/ 370/	ND 3.2 150 ND 4.7 11	1.0 96 330 0.74 34 15	ND 74 310 0.97 83 39
10/19/9	2 MW4 MW5 MW6		480 2,700 3,900	0.51 61 420	2.1 5.0 12	6.8 61 28	2.8 100 60
9/15/9	2 MW1 MW2 MW3	ND 	76 1,300 10,000	1.0 91 1,900	ND 5.7 330	ND 110 580	ND 80 400
6/30/9	2 MW1 MW2 MW3	120	ND 76 8,900	ND 9.3 1,900	ND 0.76 210	ND 6.9 550	ND 4.8 430
4/02/9	2 MW1 MW2 MW3	94 	ND 88 8,000	ND 12 1,400	ND 0.32 200	ND 7.2 310	ND 6.3 300
12/30/9	1 MW1 MW2 MW3	ND 	ND 91 7,200	ND 16 2,100	ND 0.89 690	ND 1.9 550	ND 11 410
9/30/9	1 MW1 MW2 MW3	ND 	ND 130 6,800	ND 18 1,400	ND 0.53 130	ND 9.6 240	ND 14 290
6/05/9	1 MW1 MW2 MW3	ир 	47 49 5,800	ND ND 1,200	ND ND 40	ND ND 97	ND ND 140

ND = Non-detectable.

Results in parts per billion (ppb), unless otherwise indicated.

Indicates analysis was not performed.
 Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

TABLE 3
SUMMARY OF LABORATORY ANALYSES
WATER (pp)

<u>Date</u>	Sample <u>Number</u>	<u>Chloroform</u>	<u>Tetrachloroethene</u>	Trichloroethene
12/21/92	MW1*	12 🗸	1.4	0.83 🗸
9/15/92	MW1*	12	2.2	1.3
6/30/92	MW1*	9.5	2.2	1.3
4/02/92	MW1*	7.1	2.6	1.4
12/30/91	MW1*	6.4	2.1	0.9
9/30/91	MW1			
6/04/91	MW1*	7.8	2.9	1.3

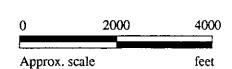
Results in parts per billion (ppb), unless otherwise indicated.

^{*} All EPA method 8010 constituents were non-detectable, except for the above compounds.

⁻⁻ Indicates analysis was not performed.



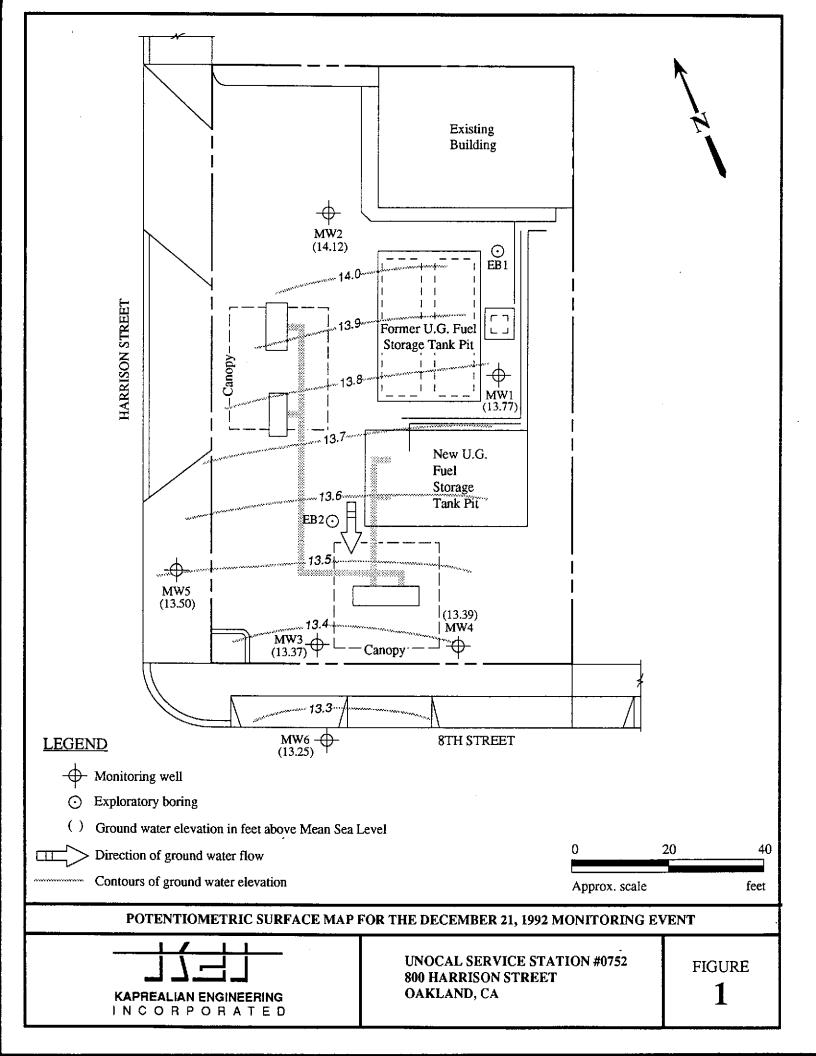
Base modified from 7.5 minute U.S.G.S. Oakland West Quadrangle (photorevised 1980)

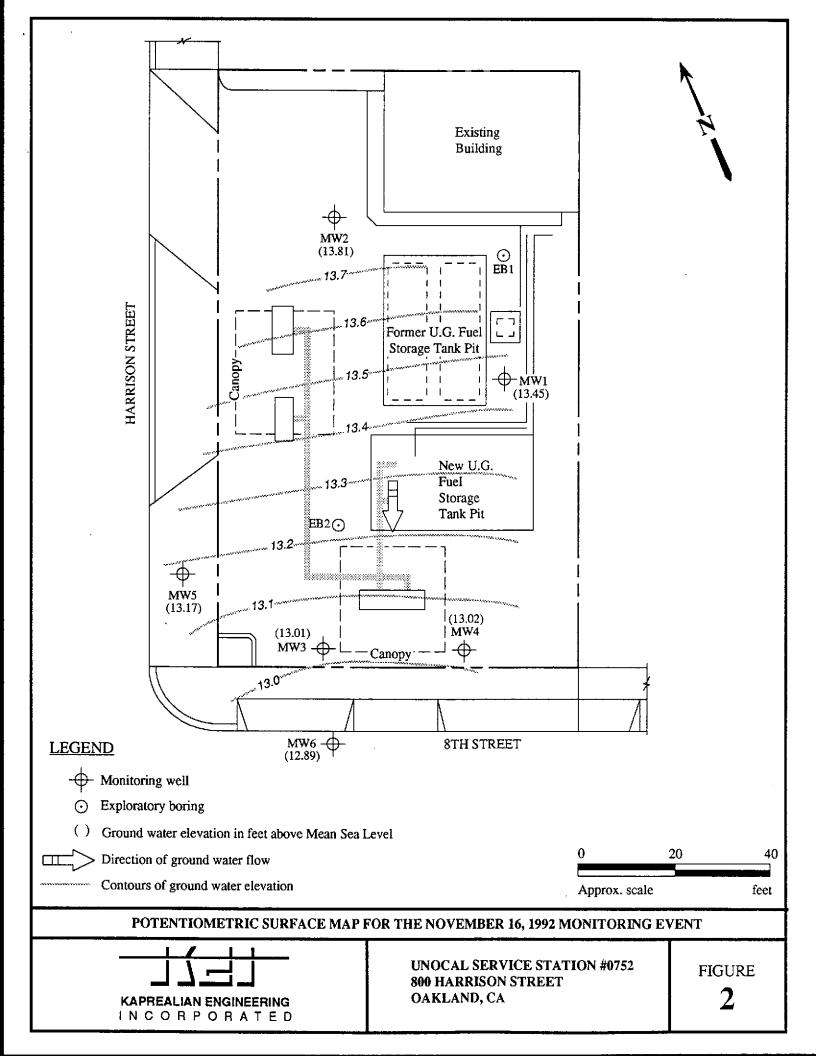


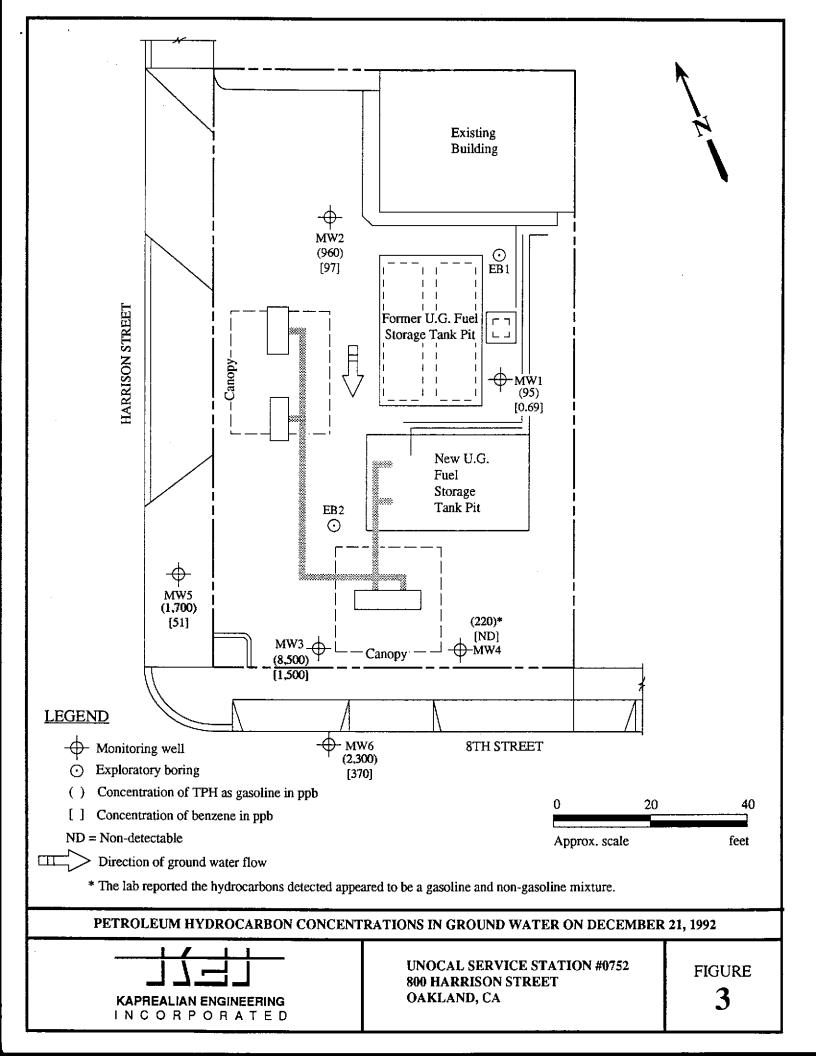


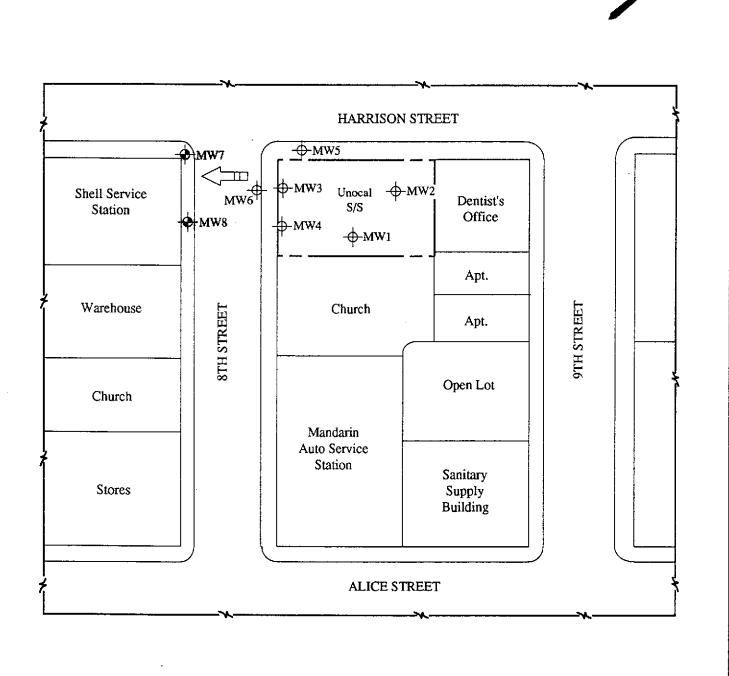
UNOCAL SERVICE STATION #0752 800 HARRISON STREET OAKLAND, CA

LOCATION MAP









LEGEND

→ Monitoring well (existing)

Monitoring well (proposed)

Direction of ground water flow

0 75 150
Approx. scale feet

EXISTING AND PROPOSED MONITORING WELL LOCATION MAP



UNOCAL SERVICE STATION #0752 800 HARRISON STREET OAKLAND, CA

FIGURE

4

Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400

Concord, CA 94520 Attention: Mardo Kaprealian, P.E. Client Project ID: Sample Matrix:

Unocal, 800 Harrison St., Oakland

Sampled: Received: Dec 21, 1992 Dec 22, 1992

Concord, CA 94520

Analysis Method: First Sample #:

EPA 5030/8015/8020

Reported:

Jan 6, 1993

212-0945

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I. D. 212-0945 MW 1	Sample I.D. 212-0946 MW 2	Sample I.D. 212-0947 MW 3	Sample I.D. 212-0948 MW 4*	Sample I.D. 212-0949 MW 5	Sample I.D. 212-0950 MW 6	
Purgeable Hydrocarbons	50	95	960 🗸	8,500 🗸	220~	1,700 🗸	2,300 ~	
Benzene	0.5	0.69 🗸	97 ~	1,500 ~	N.D.	51 🗸	370 🗸	
Toluene	0.5	N.D.	3.2	150	N.D.	4.7	11	
Ethyl Benzene	0.5	N.D.	74	310	0.97	83	39	
Total Xylenes	0.5	1.0	96	330	0.74	34	15	
Chromatogram Pa	ttern:	Gasoline	Gasoline	Gasoline	Gasoline and Discrete Peak	Gasoline	Gasoline	
Quality Control Data								
Report Limit Multip	lication Factor:	1.0	1.0	50	1.0	5.0	5.0	
Date Analyzed:		12/30/92	12/29/92	12/29/92	12/29/92	12/29/92	12/29/92	
Instrument Identific	cation:	HP-2	HP-4	HP-4	HP-4	HP-2	HP-2	
Surrogate Recover (QC Limits = 70-13		102	93	101	100	125	106	

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.

Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager Please Note:

* In the above sample, Purgeable Hydrocarbons are partially due to an unidentified peak in the MTBE range.

2120945.KEI <1>

Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400

Concord, CA 94520

Client Project ID: Sample Matrix:

Unocal, 800 Harrison St., Oakland Water

Sampled: Received: Dec 21, 1992 Dec 22, 1992

Analysis Method:

EPA 5030/8015/8020

Reported: Jan 6, 1993

Attention: Mardo Kaprealian, P.E.

First Sample #:

Matrix Blank

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I.D. Matrix Blank		
Purgeable Hydrocarbons	50			
Benzene	0.5			
Toluene	0.5			
Ethyl Benzene	0.5			
Total Xylenes	0.5			
Chromatogram Patte	ern:			

Quality Control Data

Report Limit Multiplication Factor:

1.0

Date Analyzed:

12/29/92

Instrument Identification:

HP-4

Surrogate Recovery, %:

104

(QC Limits = 70-130%)

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

SEQUOIA ANALYTICAL

Scott A. Chieffo

Project Manager

Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E.

Client Project ID:

Sample Matrix:

Unocal, 800 Harrison St., Oakland

Water

Analysis Method: EPA 3510/3520/8015 First Sample #: 212-0945 Sampled:

Dec 21, 1992

Received: Reported: Dec 22, 1992 Jan 6, 1993

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit μg/L	Sample I.D. 212-0945 MW 1	Sample I.D. Matrix Blank		
Extractable Hydrocarbons	50	N.D. 🗸			

Chromatogram Pattern:

Quality Control Data

Quality Control Data		
Report Limit Multiplication Factor:	1.0	1.0
Date Extracted:	12/28/92	12/28/92
Date Analyzed:	1/4/93	1/4/93
Instrument Identification:	HP-3B	НР-ЗВ

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

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager

2120945.KEI <3>

Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400 Concord, CA 94520

Concord, CA 94520 Attention: Mardo Kaprealian, P.E. Client Project ID: Sample Descript: Analysis Method:

Lab Number:

Unocal, 800 Harrison St., Oakland Water, MW 1

EPA 5030/8010 212-0945 Sampled: Dec 21, 1992 Received: Dec 22, 1992

Analyzed: Dec 30, 1992 Reported: Jan 6, 1993

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L		Sample Results µg/L
Bromodichioromethane	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.
2-Chloroethylvinyl ether	1.0	*************	N.D.
Chloroform	0.50		
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		. 1.4 🗸
1,1,1-Trichloroethane	0.50		N.D.
1,1,2-Trichloroethane	0.50		N.D.
Trichloroethene	0.50		T0000000000000000000000000000000000000
Trichlorofluoromethane	0.50		N.D.
Vinyl chloride	1.0	***************************************	N.D.

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

SEQUOM ANALYTICAL

Scott A. Chieffo Project Manager

Client Project ID: Unocal, 800 Harrison St., Oakland

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2120945-950

Reported: Jan 6, 1993

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-			
	Benzene	Toluene	Benzene	Xylenes	Diesel	
N d a d la a a d a	EPA	EPA	EPA	EPA	ED4444	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015	
Analyst:	A.T.	A.T.	A.T.	A.T.	K.Wimer	
Reporting Units:	μg/L	μg/L	μg/L	μg/L	μg/L	
Date Analyzed:	Dec 29, 1992	Dec 29, 1992		Dec 29, 1992	Jan 4, 1993	
QC Sample #:	212-0924	212-0924	212-0924	212-0924	Matrix Blank	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	
Spike Conc. Added:	00	20	00	60	700	
Added:	20	20	20	60	300	
Conc. Matrix						
Spike:	22	21	22	68	291	
Matrix Spike						
% Recovery:	110	105	110	113	97	
Conc. Matrix						
Spike Dup.:	21	21	21	68	289	
Matrix Spike						
Duplicate % Recovery:	105	105	105	113	96	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100	100	100	110	50	
Relative						
% Difference:	4.6	0.0	4.6	0.0	0.70	

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met. Laboratory Blank contained the following analytes: None detected.

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager

% Recovery:	Conc. of M.S Conc. of Sample	x 100	• '
-	Spike Conc. Added		
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100	
-	(Conc. of M.S. + Conc. of M.S.D.) / 2		

2120945.KEI <5>

Client Project ID: Unocal, 800 Harrison St., Oakland

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2120945-950

Reported: Jan 6, 1993

QUALITY CONTROL DATA REPORT

Method: EPA 8010 Analyst: K. Nill Reporting Units: µg/L Date Analyzed: Dec 30, 199: QC Sample #: 212-1091 Sample Conc.: N.D. Spike Conc. Added: 10	EPA 8010 K. Nill µg/L 12 Dec 30, 1992	Chloro- benzene EPA 8010 K. Nill µg/L
Method: EPA 8010 Analyst: K. Nill Reporting Units: μg/L Date Analyzed: Dec 30, 199: QC Sample #: 212-1091 Sample Conc.: N.D. Spike Conc.	EPA 8010 K. Nill µg/L 12 Dec 30, 1992	EPA 8010 K. Nill
Analyst: K. Nill Reporting Units: μ g/L Date Analyzed: Dec 30, 199: QC Sample #: 212-1091 Sample Conc.: N.D.	K. Nill μg/L 12 Dec 30, 1992	K. Nill
Analyst: K. Nill Reporting Units: μ g/L Date Analyzed: Dec 30, 199: QC Sample #: 212-1091 Sample Conc.: N.D.	K. Nill μg/L 12 Dec 30, 1992	K. Nill
Reporting Units: μ g/L Date Analyzed: Dec 30, 1993 QC Sample #: 212-1091 Sample Conc.: N.D.	μg/L 12 Dec 30, 1992	
Date Analyzed: Dec 30, 199: 212-1091 Sample Conc.: N.D. Spike Conc.	Dec 30, 1992	ua/l
QC Sample #: 212-1091 Sample Conc.: N.D. Spike Conc.		Dec 30, 1992
Sample Conc.: N.D. Spike Conc.	212-1091	212-1091
Spike Conc.	212-1031	212-1031
	N.D.	N.D.
Added: 10		
	10	10
Conc. Matrix		
Spike: 8.9	10	10
Matrix Spike		
% Recovery: 89	100	100
•		
Conc. Matrix		
Spike Dup.: 9.2	10	11
op.no ospin o.c	10	• •
Matrix Spike		
Duplicate		
% Recovery: 92	100	110
Relative		
% Difference: 3.3	0.0	9.5

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met. Laboratory Blank contained the following analytes: None detected.

SEQUOTA ANALYTICAL

Scott A. Chieffo Project Manager

% Recovery:	Conc. of M.S Conc. of Sample	x 100	
_	Spike Conc. Added		
Relative % Difference:	Cone, of M.S Cone, of M.S.D.	x 100	
_	(Conc. of M.S. + Conc. of M.S.D.) / 2		

2120945.KEI <6>

Client Project ID: Unocal, 800 Harrison St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E.

QC Sample Group: 2120945-950

Reported: Jan 6, 1993

QUALITY CONTROL DATA REPORT

SURROGATE

Method:

EPA 8015

EPA 8015

Analyst:

K. Wimer

K. Wimer

Reporting Units:

μg/L

μg/L

Date Analyzed: Sample #:

Jan 4, 1993 212-0945 Jan 4, 1993 Matrix Blank

Surrogate

% Recovery:

113

114

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager % Recovery:

Conc. of M.S. - Conc. of Sample

x 100

Spike Conc. Added

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D.

x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

2120945.KEI <7>

nc. Client Project ID: Unocal, 800 Harrison St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E.

QC Sample Group: 2120945-950

Reported: Jan 6, 1993

QUALITY CONTROL DATA REPORT

SURROGATE

Method:

EPA 8010

EPA 8010

Analyst:

K.Niii

K.Nill

Reporting Units:

μg/L

μg/L

Date Analyzed:

Dec 30, 1992

Dec 30, 1992

Sample #:

212-0945

Matrix Blank

Surrogate #1

% Recovery:

113

117

Surrogate #2

% Recovery:

101

110

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager % Recovery:

Conc. of M.S. - Conc. of Sample Spike Conc. Added

x 100

Relative % Difference:

Conc. of M.S. - Conc. of M.S.D.

x 100

(Conc. of M.S. + Conc. of M.S.D.) / 2

2120945.KEI <8>



KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER Vartkes				SITE HAME & ADDRESS								ANALYS	ES REQU	JESTED	TURN AROUND TIME:			
				Unocal / Oakland 800 Harrison st.							1						Regular.	
 SAMPLE 10 NO.	 DATE	TIME	SOIL	QATEN	GRAB	COMP	NO. OF	SAMPLING		7P#6+B	7P#D	8010					REMARKS	
MW 1	12/2/92	2:30 pur.	 	Х	火		5	Monitoring	well	X	! X	X		}	<u> </u>		2120945AE	
Mw2	**		 	X	χ	 	2	, ,	4	X		 					946AB	
μω3	4, 		 	X	χ		7.	/,	4	X							947 AB	
IMW4	4		! !	X	X		2	'(ዣ	X	 	 			 		948AB	
MW 5	1 7	}		X	X		2	'1	· 4	X	! !	 					949 AB	
MW6	-	5:05 Plus.	,	X	<u> </u>		2		4	X	 	 	 				V 950AB	
Relinquished		nature)] 	 	i i] F	ecai ve	ed by: (Signature)) 12 -:	- 9	The f	l L al louis	MIST	95 cor	mal et e			
W. Tark & 12/22/				191	20	10 Sophie Jatio 8						he following MUST BE completed by the laboratory accepting samples or analysis: . Have all samples received for analysis been stored in ice?						
Relinquished by: (Singature) Date/Timq30					Received by: (Signature)				į	2. Will samples remain refrigerated until analyzed?								
Relinquished by:) (Signature) Date/Time						Received by: (Signature)				— <u>i</u>	<u> </u>							
				-22-92 (lile						İ	3. Did any samples received for analysis have head space? NONE							
Relinquished by: (Signature)				Date/Time			Received by: (Signature)				4. We	Were samples in appropriate cont				7	-)	
						 				1	<i></i>	Signa	ture	zzrg	<u>~ </u>	LOG Ti	-1N 12 - 22 - 97 tle Date	