

Property.

November 3, 1992

Alameda County Health Care Services 80 Swan Way, Room 200 Oakland, CA 94621

Attention: Ms. Cynthia Chapman

RE: Unocal Service Station #3135

845 - 66th Avenue Oakland, California

62

Dear Ms. Chapman:

Per the request of Mr. Keith Bullock of Unocal Corporation, enclosed please find our report September 2, 1992, for the above referenced site.

If you should have any questions, please feel free to call our office at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Judy A. Dewey

jad\82

Enclosure

cc: Keith Bullock, Unocal Corporation



Purit

KEI-P88-1203.QR7 September 2, 1992

3693

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

Attention: Mr. Keith Bullock

RE: Quarterly Report

Unocal Service Station #3135

845 - 66th Avenue <u>Oakland, California</u>

Dear Mr. Bullock:

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-P88-1203.P4) dated April 22, 1991. The wells are currently monitored monthly and sampled on a quarterly basis. This report covers the work performed by KEI from June through August of 1992.

BACKGROUND

The subject site contains a Unocal service station facility. Two underground fuel storage tanks, one waste oil tank, and the product piping were removed from the site in November and December of 1989, during tank replacement activities. During March and April of 1991, approximately 2,000 cubic yards of contaminated soil were excavated from the area in the vicinity of the former (pre-1967) fuel tank pit. The soil excavation was conducted to a depth of approximately 1 foot below ground water (11 feet below grade). Six monitoring wells, two exploratory borings, and a Hydropunch study (seven probe locations) have been installed/performed at 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 quarterly report (KEI-P88-1203.QR6) dated June 15, 1992.

RECENT FIELD ACTIVITIES

The monitoring wells (MW1 through MW6) were monitored three times 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

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presence of a sheen. No free product or sheen was noted in any of the wells during the quarter, except for monitoring well MW2, where a sheen was observed on the August 3, 1992 sampling event. The monitoring data collected this quarter are summarized in Table 1.

Water samples were collected from the wells on August 3, 1992. Prior to sampling, the wells were each purged of between 8.5 and 11 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 then 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 the state-certified laboratory.

HYDROLOGY

The measured depth to ground water at the site on August 3, 1992, ranged between 8.19 and 10.95 feet below grade. The water levels in all of the wells have shown net decreases ranging from 1.83 to 2.53 feet since May 5, 1992. Based on the water level data gathered on August 3, 1992, the ground water flow direction appeared to be to the north-northeast, as shown on the attached Potentiometric Surface Map, Figure 1. The flow direction reported this quarter is slightly changed from the northeasterly flow direction reported in the previous quarter. The average hydraulic gradient across the site on August 3, 1992, was approximately 0.005.

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, TPH as diesel by EPA method 3510/modified 8015, and benzene, toluene, xylenes, and ethylbenzene (BTX&E) by EPA method 8020. In addition, the ground water sample collected from monitoring wells MW2 and MW6 were analyzed for TOG by Standard Methods 5520B&F.

The ground water sample analytical results are summarized in Table 2. The concentrations of TPH as gasoline, benzene, and TPH as diesel detected in the ground water samples collected this quarter are shown on the attached Figure 2. Copies of the laboratory analytical results and 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 in any of the wells, KEI recommends the continuation of the current monitoring and sampling program, per KEI's proposal (KEI-P88-2304.P4) dated April 22, 1991.

In addition, as previously recommended, (KEI work plan/proposal KEI-P88-1203.P4 dated April 22, 1991) KEI has obtained a City of Oakland encroachment permit and the other necessary permits for the installation of three off-site and one on-site monitoring wells. These wells are scheduled to be installed in late September 1992.

DISTRIBUTION

A copy of this report should be sent to Ms. Cynthia Chapman 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-P88-1203.QR7 September 2, 1992 Page 4

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

Sincerely,

Kaprealian Engineering, Inc.

Teresa Trinh Staff Engineer

Joel G. Greger, C.E.G.

Senior Engineering Geologist

Joel / Ky

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

Timothy R. Ross Project Manager

/bp

Attachments:

Tables 1 & 2 Location Map

Potentiometric Surface Map - Figure 1

Concentrations of Petroleum Hydrocarbons - Figure 2 Proposed Monitoring Wells Location Map - Figure 3

Laboratory Analyses

Chain of Custody documentation

TABLE 1
SUMMARY OF MONITORING DATA

Well No.	Ground Water Elevation (feet)	Depth to Water (feet)	Product Thickness (feet)	<u>Sheen</u>	Water Purged <u>(gallons)</u>
	(Monito:	ced and Sam	pled on Augus	st 3, 1992	?)
MW1	-5.55	10.73	0	No	8.5
MW2	-5.49	9.32	0	Yes	9.5
MW3	-4.89	8.19	0	No	9.5
MW4	- 5.68	10.95	0	No	10
MW5	-5.6 3	10.24	0	No	11
MW6	-5.59	9.90	0	Ио	11
		(Monitored o	on July 2, 19	92)	
MW1	- 5.16	10.34	0		0
MW2	-5.07	8.90	Ō		Ō
MW3	-3.88	7.18	Ö		Ō
MW4	-5.31	10.58	0		0
MW5	-5.23	9.84	Ō		0
MW6	-5.21	9.52	0		0
		(Monitored	on June 3, 19	92)	
MW1	-3.77	8.95	0		0
MW2	-3.72	7.55	0		0
MW3	-2.42	5.72	0		0
MW 4	-3.98	9.25	0		0
MW5	-3.80	8.41	0		0
MW6	-3.77	8.08	. 0		0
			Surface Elev	vation*	
	<u>Well</u>	<u>#</u>	(feet)		
	MW1		5.18		
	MW2		3.83		
	MW3		3.30		
	MW4		5.27		
	MW5		4.61		
	MW6		4.31		

⁻⁻ Sheen determination was not performed.

^{*} The elevations of the tops of the well covers have been surveyed relative to Mean Sea Level (MSL), per the city of Oakland Benchmark No. 3881 at the elevation of 4.72 MSL.

TABLE 2
SUMMARY OF LABORATORY ANALYSES
WATER

Sample <u>Number</u>		TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	Xylenes	Ethyl- <u>benzene</u>	TOG
		(Col	lected on	August 3	, 1992)		
MW1	220♦	980	22	0.69	82	77	
MW2			4,500	480	9,700	3,300	ND
MW3	58	ND	ND	ND	ND	ND	
MW4	2,400♦		61	ND		2,100	
MW5	ND		ND	ND	ND	ND	
MW6		1,100	180	1.1	78	62	ND
		(Co	llected o	n May 5,	1992)		
				_			
MW1	120	310	5.7	ND	15	7.1	
MW2		26,000	2,300	110	6,900		ИD
MW3	56	ND	ND	ND	1.8	0.43	
MW4		15,000	82	12	5,600	2,000	
MW5	72	ND	ND	ИD	1.4	0.42	
MW6	47	ND	ND	ND	1.3	ND	ND
		(Coll	ected on	February	7, 1992)		
MW1	ND	220	2.1	ND	16	10	
MW2	2,300	11,000					ND
MW3	ND	ND	ND	ND	ND	ND	
MW4	2,300	8,100	24	4.9	3,200	1,800	
MW5	ND	ND	ND	ND	0.94	0.36	
MW6	ND	180	22	0.68	20	22	ИD
		(Colle	cted on	November	5, 1991)		
MT/21	260	4 000	0.0	MD	1.00	150	
MW1		4,900	80	ND	160	150	70
MW2	3,900	110,000	4,200		8,600		78
MW3	ND	31	ND	ND	0.65		
MW4 MW5	7,700 ND	140,000 ND	320	ND ND	13,000 ND	4,800 ND	
MW6	300	7,100	ND	ИD	580		ND
MMO	300	/ , 100	200	ממ	580	190	ND

TABLE 2 (Continued)
SUMMARY OF LABORATORY ANALYSES
WATER

Sampl <u>Numbe</u>		TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	Ethyl- <u>benzene</u>	TOG
		(Col:	lected on	August 5	, 1991)		
MW1 MW2 MW3	200 4,200 63	1,200 33,000 ND	95 2,900 ND	6.2 190 ND	80 7,900 ND	230 3,400 ND	ND
MW4 MW5	6,200 ND	37,000 ND	310 ND	70 ND	9,700 ND	3,600 ND	
MW6	130	860	130	11	150	92	ND
		(Colle	cted on F	ebruary 2	1, 1991)		
MW1 MW2 MW3 MW4 MW5 MW6 MWD (MW6	690 7,000 4,100 160 duplicate)	26,000 3,400 ND 33,000 56 750 740	280 160 ND 210 ND 77 74	39 61 ND 21 ND 14 12	1,900 490 0.64 12,000 4.7 140 140		ND ND
		(Colle	cted on N	ovember 2	26, 1990)		
MW1 MW2 MW3 MW4 MW5 MW6 MW7	3,800 320 duplicate)	2,900 15,000 ND 49,000 ND 4,800 4,000	160 1,600 ND 360 ND 1,000	2.3 450 ND 36 ND 200 120	320 2,100 ND 11,000 ND 650 440	330 1,100 ND 3,800 ND 340 250	ND ND
		(Col1	ected on	August 28	3, 1990)		
MW1 MW2 MW3 MW4 MW5 MW6 MW7	3,100 1,000 duplicate)	1,700 27,000 ND 62,000 ND 12,000 2,600	140 2,600 ND 810 ND 1,700 180	1.4 1,300 ND 72 ND 1,400 3.0	150 3,000 0.70 4,600 1.2 2,100 270	180 1,900 ND 4,400 ND 230 810	ND 16

KEI-P88-1203.QR7 September 2, 1992

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

Sample <u>Number</u>	TPH as <u>Diesel</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	Ethyl- <u>benzene</u>	TOG
		(Co	llected o	n May 11,	1990)		
MW1		22,000	590	42	3,600	1,200	
MW2		65,000	3,300	3,300	12,000	4,100	
MW3		ND	ND	ND	ND	ND	,

- Sequoia Analytical Laboratory reported that the analysis chromatogram pattern for this sample indicated that the hydrocarbons detected appeared to be a non-diesel mixture (<C16).</p>
- ♦♦ Sequoia Analytical Laboratory reported that the analysis chromatogram pattern for this sample indicated that the hydrocarbons detected appeared to a be diesel and non-diesel mixture (<C16).

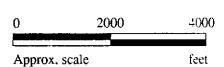
ND = Non-detectable.

-- Indicates analysis was not performed.

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

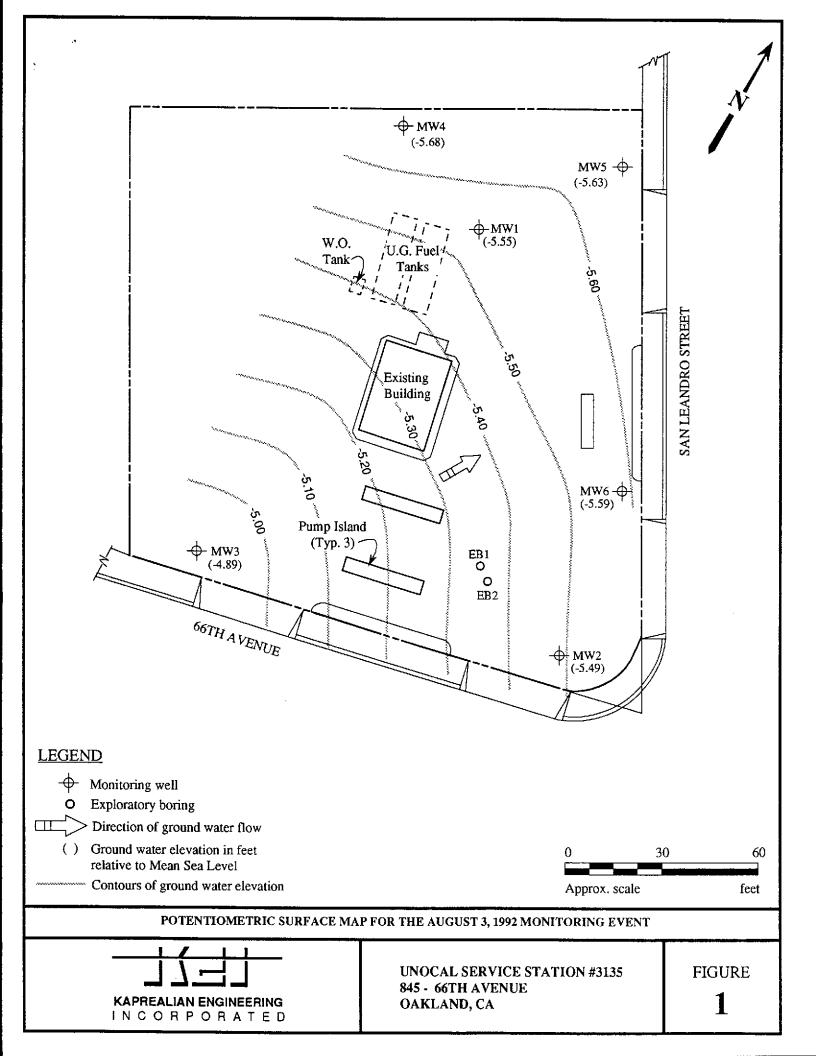


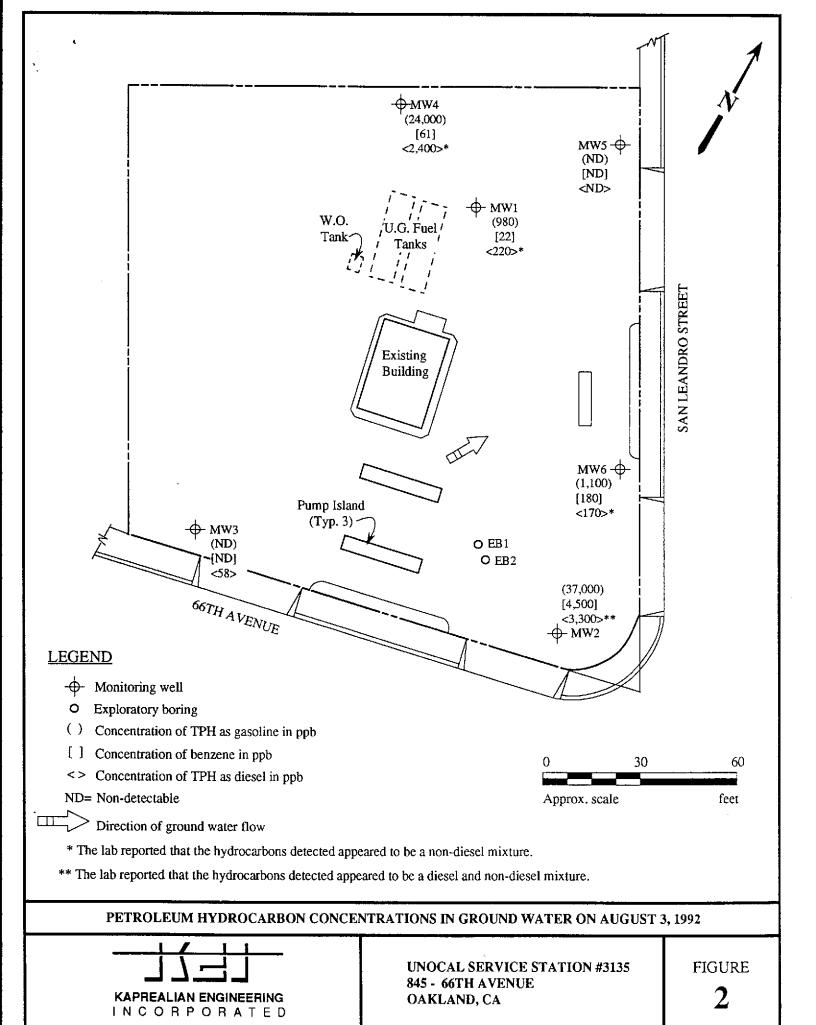
Base modified from 7.5 minute U.S.G.S. Oakland East and San Leandro Quadrangles (both photorevised 1980)

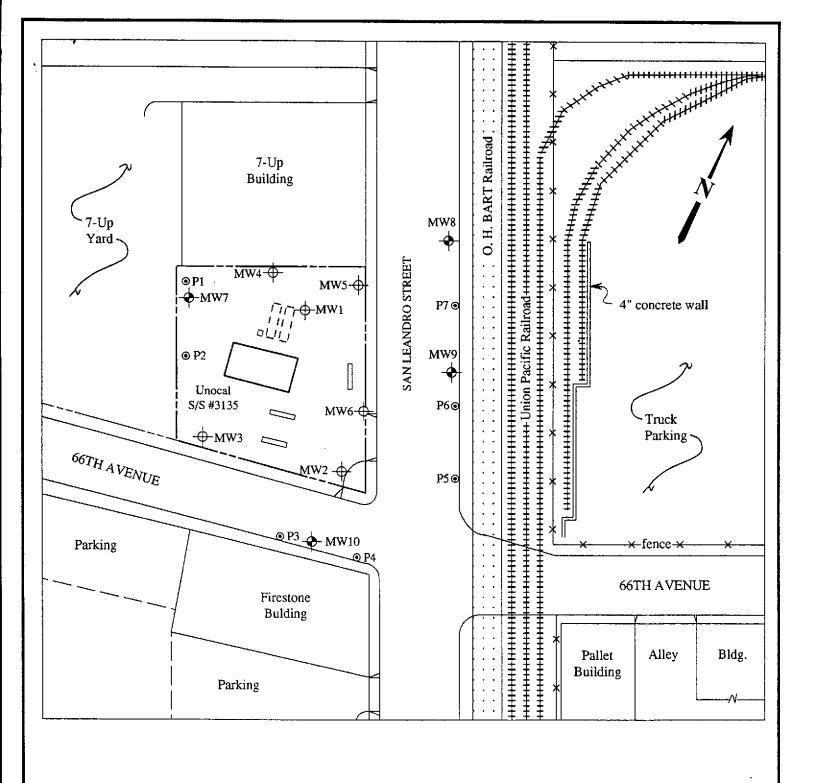




UNOCAL SERVICE STATION #3135 845 - 66TH AVENUE OAKLAND, CA LOCATION MAP

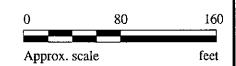






LEGEND

- Monitoring well (existing)
- Monitoring well (proposed)
- Ground water sample point location



PROPOSED MONITORING WELLS LOCATION MAP



UNOCAL SERVICE STATION #3135 845 - 66TH AVENUE OAKLAND, CA FIGURE 3

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

First Sample #:

Unocal, 845 66th Ave., Oakland

Water

Analysis Method: EPA 5030/8015/8020 208-0060

Sampled: Received: Aug 3, 1992 Aug 3, 1992

Reported: Aug 14, 1992

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I.D. 208-0060 MW1	Sample I.D. 208-0061 MW2	Sample I.D. 208-0062 MW3	Sample I.D. 208-0063 MW4	Sample I.D. 208-0064 MW5	Sample I.D. 208-0065 MW6
Purgeable Hydrocarbons	50	980	37,000	N.D.	24,000	N.D.	1,100
Benzene	0.5	22	4,500	N.D.	61	N.D.	180
Toluene	0.5	0.69	480	N.D.	N.D.	N.D.	1.1
Ethyl Benzene	0.5	77	3,300	N.D.	2,100	N.D.	62
Total Xylenes	0.5	82	9,700	N.D.	5,400	N.D.	78
Chromatogram Pat	tern:	Gasoline	Gasoline		Gasoline		Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	50	1.0	40	1.0	1.0
Date Analyzed:	8/5/92	8/6/92	8/6/92	8/6/92	8/10/92	8/5/92
Instrument Identification:	HP-2	HP-2	HP-2	HP-2	HP-5	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	107	119	100	112	109	99

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

2080060.KEI <1>

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

Unocal, 845 66th Ave., Oakland Water

Sampled:

Aug 3, 1992

Anaiysis Method:

EPA 5030/8015/8020

Received: Reported:

Aug 3, 1992 Aug 14, 1992

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:

8/5/92

Instrument Identification:

HP-2

Surrogate Recovery, %:

107

(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**

2080060.KEI <2>

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

First Sample #:

Unocal, 845 66th Ave., Oakland

Water

EPA 3510/3520/8015 208-0060 Received: Reported:

Sampled:

Aug 3, 1992 Aug 3, 1992

Reported: Aug 14, 1992

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit μg/L	Sample I.D. 208-0060 MW1	Sample I.D. 208-0061 MW2	Sample I.D. 208-0062 MW3	Sample I.D. 208-0063 MW4	Sample I.D. 208-0064 MW5	Sample I.D. 208-0065 MW6
Extractable Hydrocarbons	50	220	3300	58	2400	N.D.	170
Chromatogram Pa	ttern:	Non-Diesel Mixture (<c16)< td=""><td>Diesel and Non-Diesel Mixture (<c16)< td=""><td>Diesel</td><td>Non-Diesel Mixture (<c16)< td=""><td></td><td>Non-Diesel Mixture (<c16)< td=""></c16)<></td></c16)<></td></c16)<></td></c16)<>	Diesel and Non-Diesel Mixture (<c16)< td=""><td>Diesel</td><td>Non-Diesel Mixture (<c16)< td=""><td></td><td>Non-Diesel Mixture (<c16)< td=""></c16)<></td></c16)<></td></c16)<>	Diesel	Non-Diesel Mixture (<c16)< td=""><td></td><td>Non-Diesel Mixture (<c16)< td=""></c16)<></td></c16)<>		Non-Diesel Mixture (<c16)< td=""></c16)<>

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Extracted:	8/8/92	8/8/92	8/8/92	8/8/92	8/8/92	8/8/92
Date Analyzed:	8/13/92	8/13/92	8/13/92	8/13/92	8/13/92	8/13/92
Instrument Identification:	НР-ЗА	НР-ЗА	НР-ЗА	HP-3A	HP-3A	HP-3A

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

Concord, CA 94520

Attention: Mardo Kaprealian, P.E.

Client Project ID: Sample Matrix:

ID: Unocal, 845 66th Ave., Oakland: : Water

EPA 3510/3520/8015

Analysis Method: EPA 3510/35 First Sample #: Matrix Blank Sampled:

Aug 3, 1992

Received: Aug 3, 1992

Reported: Aug 14, 1992

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte

Reporting Limit Sample I.D.

μg/L

Matrix Blank

Extractable

Hydrocarbons

50

Chromatogram Pattern:

Quality Control Data

Report Limit Multiplication Factor:

1.0

Date Extracted:

8/8/92

Date Analyzed:

8/12/92

Instrument Identification:

HP-3A

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

SEQUOIA ANALYTICAL

rscoπ A. Chieπo Project Manager



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E.

Client Project ID: Matrix Descript:

Analysis Method:

First Sample #:

Unocal, 845 66th Ave., Oakland

Water

SM 5520 B&F (Gravimetric)

208-0061

Sampled:

Aug 3, 1992

Received: Extracted:

Aug 3, 1992 Aug 6, 1992

Analyzed: Aug 11, 1992 Reported: Aug 14, 1992

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)
208-0061	MW-2	N.D.
208-0065	MW-6	N.D.

Detection Limits:

5.0

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

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager

2080060.KEI <5>

Client Project ID: Unocal, 845 66th Ave., Oakland

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2080060-65

Reported: Aug 14, 1992

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-			
ANALYIE	Benzene	Toluene	Etnyl- Benzene	Xylenes	Diesel	Oil and Grease
	201120110	70120110		.,,		
	EPA	EPA	EPA	EPA	-	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015	SM5520
Analyst:	A.P.	A.P.	A.P.	A.P.	K.Wimer	D. Newcomb
Reporting Units:	μg/L	μg/L	μg/L	µg/L	μg/L	mg/L
Date Analyzed:	Aug 5, 1992	Aug 5, 1992	Aug 5, 1992	Aug 5, 1992	Aug 12, 1992	Aug 11, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc.						
Added:	20	20	20	60	300	100
Conc. Matrix						
Spike:	20	21	22	67	304	94
Matrix Spike						
% Recovery:	100	105	110	112	101	94
Conc. Matrix						
Spike Dup.:	20	20	20	64	260	94
Matrix Spike						
Duplicate	400	400	400	407	07	04
% Recovery:	100	100	100	107	87	94
Relative						
% Difference:	0.0	4.9	9.5	4.6	16	0.0

Laboratory blank contained the following analytes: None Detected

SEQUOJA ANALYTICAL

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		

2080060.KEI <6>

Kaprealian Engineering, Inc.

Client Project ID: Unocal, 845 66th Ave., Oakland

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2080060-65

Reported: Aug 14, 1992

QUALITY CONTROL DATA REPORT

SURROGATE

Method: Analyst: Reporting Units:

Date Analyzed:

Sample #:

EPA8015 K.Wimer μg/L Aug 13, 1992

208-0060

EPA8015 K.Wimer μg/L Aug 13, 1992 208-0061

EPA8015

208-0062

EPA8015 K.Wimer K.Wimer μg/L μg/L

K.Wimer μg/L Aug 13, 1992 Aug 13, 1992 Aug 13, 1992 Aug 13, 1992

EPA8015

208-0064

K.Wimer μg/L

EPA8015

208-0065

K.Wimer μg/L Aug 12, 1992

Matrix Blank

EPA8015

Surrogate

% Recovery:

96

97

94

95

208-0063

96

98

88

SEQUOIA ANALYTICAL

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. (Conc. of M.S. + Conc. of M.S.D.) / 2 x 100

2080060.KEI <7>



KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER Valtes Withessing agency				SITE NAME & ADDRESS								ANAL-YSE	S REQUEST	ED	TURN AROUND TIME:	
				Unocal/Oakland 845 66th Ave.						BTXE		520 BA				Regular
SAMPLE ID NO.	DATE	 	SOIL	WATER	 	СОНР	NO. OF	SAMPLING LOCATION		TPHG	TPHD	70G(SI		1		REMARKS
MW 1	8/3/92	10:10 AM.		1		 	3	Monitoring C	164	1	/		6	209	30/3	60 AC
MW2	1		· ·	i √	 	 	4	<u> </u>	۲	✓	1	/	 	1	DO	61 AO
MW 3	<u> </u>		 	! √	J	 	3	۲	٦	1	/	 		 	∞	62 AC
MW4	i ,		 	/	1	 	3	•	د پ	1	√				D D	63 AC
MW 5	<u>і</u> и	/		j J	<u> </u>	, 	3	U	Ç	/	1		¦ 	l	30	64 AC
MW 6	4 	1:35 P.M.	 		1	 	4	~ 1	-	<i>J</i>	<i> </i> 	i √ i 	 	 - -	00	65 AD
		 	 	 		 	 			 	 	 				
Relinquished by: (Signature) pate/Time 8/3/92 6:25				, '	Received by: (Signature) \(\lambda \lambd				for a	the following MUST BE completed by the laboratory accepting samples or analysis: Have all samples received for analysis been stored in ice?						
Relinguished by: (Signisture))ate/Ti 4-92)	me 154		Received by: (Signature)				_		d until analyzed?			
Relinquished by: (Signature)				ate/Ti		, ~	Received by: (Signoture)				3. Did any samples received for analysis have head space?					
Relinquished by: (Signature) 				Date/Time			Received by: (Signature)				4. W	Were samples in appropriate containers and property packaged? Containers Containers Containers				