11/24/42 505

September 9, 1992

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

RE: Unocal Service Station #5484

18950 Lake Chabot Road Castro Valley, California

Gentlemen:

Per the request of Mr. Ron Bock of Unocal Corporation, enclosed please find our report dated July 27, 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: Ron Bock, Unocal Corporation

KEI-P90-0806.QR4 July 27, 1992

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

Attention: Mr. Ron Bock

RE: Quarterly Report
Unocal Service Station #5484

18950 Lake Chabot Road Castro Valley, California

Dear Mr. Bock:

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-P90-0806.P1 dated January 9, 1991, and per KEI's report (KEI-P90-0806.R2) dated June 27, 1992. The wells are currently monitored monthly and sampled on a quarterly basis, except for wells MW4 and MW6, which are sampled on a semi-annual basis. This report covers the work performed by KEI from April through June of 1992.

BACKGROUND

The subject site contains a service station facility. Two underground gasoline storage tanks and one waste oil tank were removed from the site in June of 1989, during tank replacement activities. The fuel tank pit and the waste oil tank pit were subsequently overexcavated in order to remove contaminated soil. Seven monitoring wells and six exploratory borings have been installed at the site; however, two of the monitoring wells (MW1 and MW3) were destroyed during tank replacement activities.

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-P90-0806.QR3) dated April 27, 1992.

RECENT FIELD ACTIVITIES

The five wells (MW2, and MW4 through MW7) 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 presence of a sheen. No free product or sheen was noted in any of

KEI-P90-0806.QR4 July 27, 1992 Page 2

the wells during the quarter. The monitoring data collected this quarter are summarized in Table 1.

Water samples were collected from the wells on June 18, 1992. Prior to sampling, the wells were each purged of between 7 and 36 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 the state-certified laboratory.

HYDROLOGY

The measured depth to ground water at the site on June 18, 1992 ranged between 6.45 and 9.53 feet below grade. The water levels in all of the wells have shown net decreases ranging from 2.06 to 0.91 feet since March 20, 1992. Based on the water level data gathered on June 18, 1992, the ground water flow direction appeared to be to the south-southwest, as shown on the attached Figure 1. The flow direction reported this quarter is unchanged from the flow directions reported since May 23, 1991. The average hydraulic gradient across the site on June 18, 1992 varied from approximately 0.074 to 0.11.

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 samples collected from monitoring wells MW5 and MW7 were analyzed for TPH as diesel by EPA method 3510/modified 8015. The ground water sample collected from well MW7 was also analyzed for TOG by Standard Methods 5520B&F, and for EPA method 8010 compounds.

The ground water sample analytical results are summarized in Table 2. The concentrations of 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 Chain of Custody documentation are attached to this report.

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

KEI-P90-0806.QR4 July 27, 1992 Page 3

sheen in any of the wells, KEI recommends a modification to the current monitoring and sampling program of the existing wells. Since the inception of KEI's monitoring and sampling program on May 23, 1991, a consistent south-southwest ground water flow direction has been identified. Since (as previously stated) no free product or sheen has been detected in any of the wells since the inception of the monitoring and sampling program, KEI recommends that the monitoring frequency of the wells be reduced from monthly to quarterly. In addition, TOG has also been non-detectable in well MW7 since the inception of the monitoring and sampling program. Therefore, KEI recommends that the TOG analysis for well MW7 be discontinued.

As shown on the attached laboratory analysis sheet, the laboratory reported that the concentration of low/medium boiling point (LMBP) hydrocarbons detected in well MW2 on June 18, 1992, "does not appear to contain gasoline," and that the "LMBP is due to one unidentified peak." (3) KEI therefore recommends that the future ground water samples collected from well MW2 also be analyzed for methyl tert butyl ether (MTBE).

DISTRIBUTION

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

Deconstructed by 1-3

KEI-P90-0806.QR4 July 27, 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.

Thomas J. Berkens

Thomas J. Berkins

Senior Environmental Engineer

Joel G. Greger, C.E.G.

Senior Engineering Geologist

IM My

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

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 (gallons)
•	(Monitored	and Sampl	ed on June	18, 199	92)
MW2	223.02	6.45	0	No	9
MW4	218.56	9.52	0	No	25
MW5	216.50	8.92	0	No	26
MW6	232.04	7.34	0	No	36
MW7	222.13	9.53	0	No	7
	(Mo	nitored or	May 7, 199	92)	
MW2	223.59	5.88	О		0
MW4	219.22	8.86	0		0
MW5	216.44	8.98	0		0
MW6	232.50	6.88	0		0
MW7	223.05	8.61	0		0
	(Moni	tored on	April 20, 1	992)	
MW2	224.30	5.17	0		0
MW4	219.76	8.32	ő		Ŏ
MW5	217.19	8.23	Ŏ		Ō
MW6	232.61	6.77	Ō		Ō
MW7	224.03	7.63	0		12
					·
			Well Co		
			Elevati		
		<u>Well</u>	<u>(feet</u>	.)	
		MW2	229.4	7	
		MW4	228.0	8	
		MW5	225.4	2	
		MW6	239.3	8	
		MW7	231.6	6	

⁻⁻ Sheen determination was not performed.

^{*} The elevations of the tops of the well covers have been surveyed relative to Mean Sea Level.

TABLE 2
SUMMARY OF LABORATORY ANALYSES
WATER

	Sample Well #	TPH as <u>Diesel</u>	TPH as <u>Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	Ethyl- <u>benzene</u>
6/18/92	MW4		ND	ND 0.41	ND 0.84	•	ND ND
	MW5 MW6	ND 	ND ND	ND ND	ND ND	ND ND	ND ND
	MW7*	990♦	5,500	340	4.2	410	380 -
3/20/92	MW2 MW4		120 SAMPLED	ND ON A SEM	ND I-ANNUAL	ND BASIS	ND
	MW5 MW6	170	ND SAMPLED	ND ON A SEM	ND I-ANNUAL	ND BASIS	ND
	MW7* 3	,200	11,000	980	ND	1,600	990
12/19/91	MW2 MW4 MW5 MW6 MW7**	 770	140 ND ND ND 3,900	0.66 ND ND ND 240	ND ND ND ND 2.4	1.2 ND ND ND 270	0.64 ND ND ND 280
10/10/91	MW5	ND					
9/20/91	MW2 MW5 MW7*	450 580	ND ND 1,400	ND ND 160	ND ND 0.75	ND ND 5 130	ND ND 89
5/23/91	MW4 MW5 MW6	 	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND
	MW7***	540	3,000	160	1.2	120	25

TABLE 2 (Continued)

SUMMARY OF LABORATORY ANALYSES WATER

-- Indicates analysis was not performed.

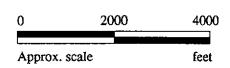
ND = Non-detectable.

- * TOG and all EPA method 8010 constituents were non-detectable.
- ** TOG and all EPA method 8010 constituents were non-detectable, except for 3.1 ppb of 1,2-dichloroethane.
- *** TOG and all EPA method 8010 constituents were non-detectable, except for 3.4 ppb of 1,2-dichloroethane.
- ♦ The laboratory reported that this sample "does not appear to contain diesel. HBP is due to LMBP fuel peaks."
- ** The laboratory reported that this sample "does not appear to contain gasoline. LMBP is due to one unidentified peak."

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



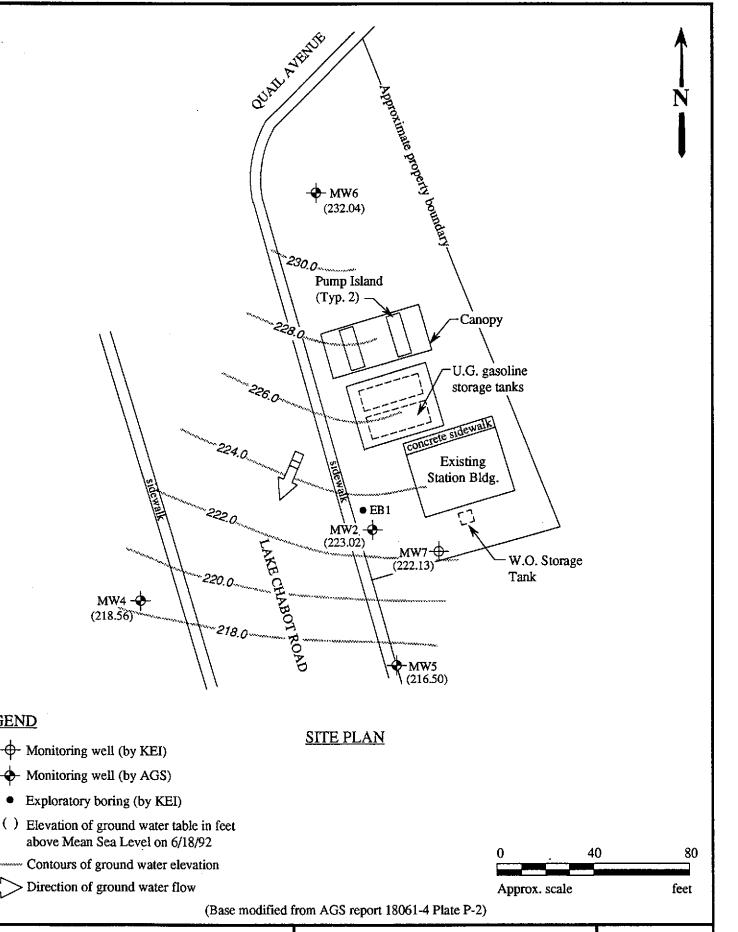
Base modified from 7.5 minute U.S.G.S. Hayward Quadrangle (photorevised 1980)





UNOCAL SERVICE STATION #5484 18950 LAKE CHABOT ROAD CASTRO VALLEY, CA

LOCATION MAP

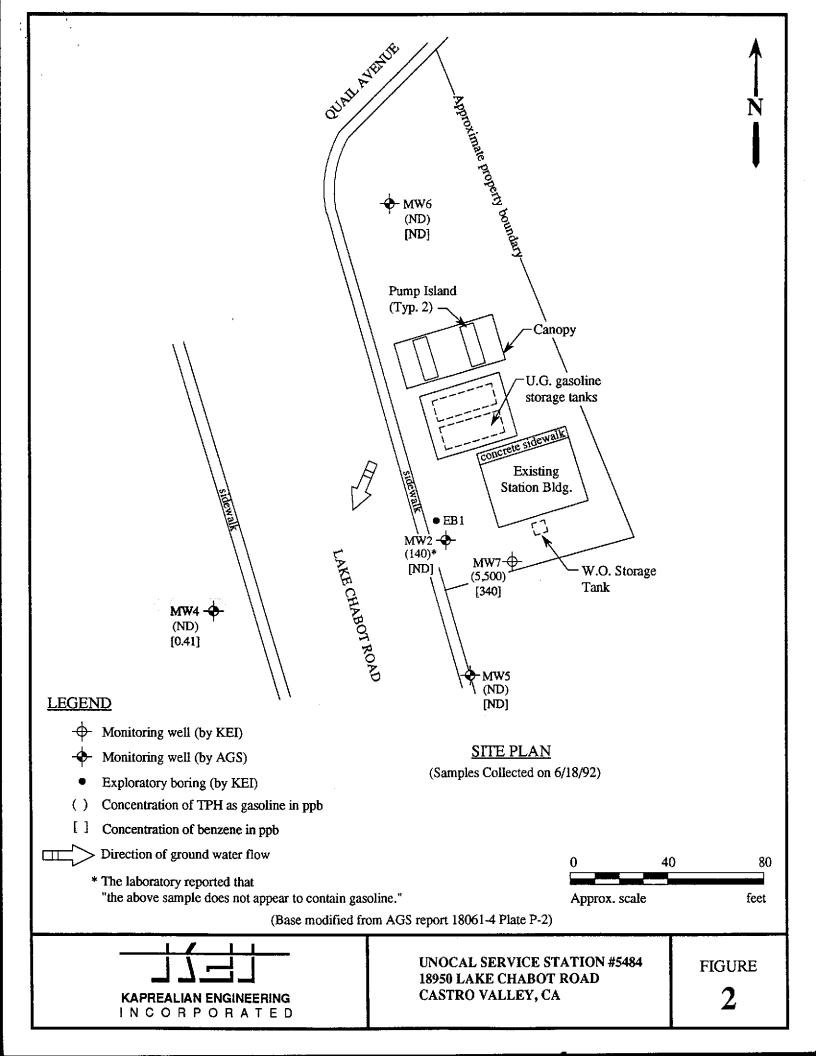


KAPREALIAN ENGINEERING INCORPORATED

LEGEND

UNOCAL SERVICE STATION #5484 18950 LAKE CHABOT ROAD CASTRO VALLEY, CA

FIGURE 1



Concord, CA 94520

Attention: Mardo Kaprealian, P.E.

Client Project ID: Matrix Descript: Analysis Method:

First Sample #:

Unocal, 18950 Lake Chabot Rd., Castro Valley

Water EPA 5030/8015/8020

206-0989

Sampled: Received: Jun 18, 1992 Jun 18, 1992

Analyzed: Reported:

Jun 25, 1992 Jul 1, 1992

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons µg/L (ppb)	Benzene μg/L (ppb)	Toluene μg/L (ppb)	Ethyl Benzene μg/L (ppb)	Xylenes μg/L (ppb)
206-0989	MW-2*	140	N.D.	N.D.	N.D.	N.D.
206-0990	MW-4	N.D.	0.41	0.84	N.D.	0.55
206-0991	MW-5	N.D.	N.D.	N.D.	N.D.	N.D.
206-0992	MW-6	N.D.	N.D.	N.D.	N.D.	N.D.
206-0993	MW-7	5,500	340	4.2	380	410

Method Detection Limits:	50	0.30	0.30	0.30	0.30

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager Please Note:

* The above sample does not appear its contain gasoline.

LMSP due to one unidentified peak.

2060989.KEL <1>

Attention: Mardo Kaprealian, P.E.

Client Project ID:

Unocal, 18950 Lake Chabot Rd., Castro Valley

Sampled:

Jun 18, 1992 Jun 18, 1992

Concord, CA 94520

Matrix Descript: Analysis Method: Water EPA 3510/8015

Received: Extracted: Analyzed:

Jun 25, 1992 Jun 29, 1992

First Sample #:

206-0991

Reported: Jul 1, 1992

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons μg/L (ppb)
206-0991	MW-5	N.D.
206-0993	MW-7*	990

Method Detection Limits:

50

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.

SEQUOIA ANALYTICAL

Project Manager

te

* The above sample diges not appear to contain diesel. HBP is due LMBP kiel peaks.

2060989.KEI < 2>



Concord, CA 94520

Attention: Mardo Kaprealian, P.E.

Client Project ID:

Unocal, 18950 Lake Chabot Rd., Castro Valley

Sampled:

Jun 18, 1992

Matrix Descript: Analysis Method:

Water SM 5520 B&F (Gravimetric) Received: Extracted:

Jun 18, 1992 Jun 23, 1992

First Sample #:

206-0993

Analyzed: Reported: Jun 24, 1992 Jul 1, 1992

TOTAL RECOVERABLE PETROLEUM OIL

Sample Sample Oil & Grease
Number Description mg/L
(ppm)

206-0993 MW-7 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

2060989.KEI <3>

Concord, CA 94520

Attention: Mardo Kaprealian, P.E.

Client Project ID: Sample Descript:

Lab Number:

Water

Analysis Method:

EPA 5030/8010 206-0993

Unocal, 18950 Lake Chabot Rd., Castro Valley

Sampled: Jun 18, 1992 Received: Jun 18, 1992

Analyzed: Reported:

Jun 30, 1992 Jul 1, 1992

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L		Sample Results µg/L
Bromodichloromethane	2.5	***************************************	N.D.
Bromoform	2.5		N.D.
Bromomethane	2.5	*******	N.D.
Carbon tetrachloride	2.5	************************************	N.D.
Chlorobenzene	2.5	,	N.D.
Chloroethane	2.5	*************	N.D.
2-Chloroethylvinyl ether	2.5		N.D.
Chloroform	2.5		N.D.
Chloromethane	2.5	******************************	N.D.
Dibromochloromethane	2.5		N.D.
1,3-Dichlorobenzene	2.5	***************************************	N.D.
1,4-Dichlorobenzene	2.5		N.D.
1,2-Dichlorobenzene	2.5	******************************	N.D.
1,1-Dichloroethane	2.5	***************************************	N.D.
1,2-Dichloroethane	2.5		N.D.
1,1-Dichloroethene	2.5	***************************************	N.D.
cis-1,2-Dichloroethene	2.5		N.D.
trans-1,2-Dichloroethene	2.5	***************************************	N.D.
1,2-Dichloropropane	2.5	***************************************	N.D.
cis-1,3-Dichloropropene	2.5	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	N.D.
trans-1,3-Dichloropropene	2.5	***************************************	N.D.
Methylene chloride		***************************************	N.D.
1.1.2.2-Tetrachioroethane		**************************************	N.D.
Tetrachloroethene	2.5	454454454444444	N.D.
1,1,1-Trichloroethane	2.5	***********	N.D.
1,1,2-Trichloroethane	2.5	48448448844884444444	N.D.
Trichloroethene	2.5	4=74444131414431445	N.D.
Trichlorofluoromethane	2.5	***************************************	N.D.
Vinyl chloride	2.5	**************************************	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Scott A. Chieffo Project Manager

Client Project ID: Unocal, 18950 Lake Chabot Rd., Castro Valley

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2050989-993

Reported: Jul 1, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	, ,,		Ethyl-				
	Benzene	Toluene	Benzene	Xylenes	Diesel	Oll and Grease	
				 ,			
	EPA	EPA	EPA	EPA			
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015	SM5520	
Analyst:	J.F.	J.F.	J.F.	J.F.	K.Wimer	D. Newcomb	
Reporting Units:	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	
Date Analyzed:	Jun 23, 1992	Jun 23, 1992		Jun 23, 1992			
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	ı
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:	22	21	20	63	301	95	
Matrix Spike							
% Recovery:	110	105	100	105	100	95	
Conc. Matrix							
Spike Dup.:	22	21	21	63	288	96	
Matrix Spike							
Duplicate							
% Recovery:	110	105	105	105	96	96	
Relative							'
% Difference:	0.0	0.0	4.9	0.0	4.4	1.0	
/ Dillololloc.	0.0	0.0	11.0				

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL

% 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 2060989.KEI_<5>

Project Manager

Client Project ID: Unocal, 18950 Lake Chabot Rd., Castro Valley

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2060989-993

Reported: Jul 1, 1992

QUALITY CONTROL DATA REPORT

ANALYTE		Trichloro-	Chloro-
	1,1-Dichloroethene	ethene	benzene
Method: Analyst: Reporting Units: Date Analyzed: QC Sample #:	EPA 8010 M. Nguyen ug/L Jun 30, 1992 Matrix Blank	EPA 8010 M. Nguyen ug/L Jun 30, 1992 Matrix Blank	EPA 8010 M. Nguyen ug/L Jun 30, 1992 Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.
Spike Conc. Added:	10	10	10
Conc. Matrix Spike:	8.7	8.6	7.7
Matrix Spike % Recovery:	87	86	77
Conc. Matrix Spike Dup.:	8.6	9.0	7.9
Matrix Spike Duplicate % Recovery:	86	90	79
Relative % Difference:	1.0	4.5	2.6

Laboratory blank contained the following analytes: None Detected

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA 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	2060989.KEL <6>

Client Project ID: Unocal, 18950 Lake Chabot Rd., Castro Valley

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2060989-993

Reported: Jul 1, 1992

QUALITY CONTROL DATA REPORT

SURROGATE

EPA	EPA	EPA	EPA	EPA	EPA	
8015/8020	8015/8020	8015/8020	8015/8020	8015/8020	8015/8020	EPA8015
J.F.	J.F.	J.F.	J.F.	J.F.	J.F.	K.Wimer
ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Jun 25, 1992	Jun 25, 1992	Jun 25, 1992	Jun 25, 1992	Jun 25, 1992	Jun 23, 1992	Jun 29, 1992
206-0989	206-0990	206-0991	206-0992	206-0993	Blank	206-0991
	8015/8020 J.F. ug/L Jun 25, 1992	8015/8020 8015/8020 J.F. J.F. ug/L ug/L Jun 25, 1992 Jun 25, 1992	8015/8020 8015/8020 8015/8020 J.F. J.F. J.F. ug/L ug/L ug/L Jun 25, 1992 Jun 25, 1992 Jun 25, 1992	8015/8020 8015/8020 8015/8020 8015/8020 J.F. J.F. J.F. J.F. ug/L ug/L ug/L ug/L Jun 25, 1992 Jun 25, 1992 Jun 25, 1992 Jun 25, 1992	8015/8020 8015/8020 8015/8020 8015/8020 8015/8020 J.F. J.F. J.F. J.F. J.F. ug/L ug/L ug/L ug/L ug/L Jun 25, 1992 Jun 25, 1992 Jun 25, 1992 Jun 25, 1992 Jun 25, 1992	8015/8020 8015/8020 8015/8020 8015/8020 8015/8020 8015/8020 J.F. J.F. J.F. J.F. J.F. ug/L ug/L ug/L ug/L ug/L Jun 25, 1992 Jun 25, 1992

Surrogate % Recovery:

99

100

107

100

98

100

80

SEQUOIA ANALYTICAL

Scott A. Chieffo

Project Manager

Relative % Difference:

% Recovery:

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

x 100

Spike Conc. Added

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

x 100

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

2060989.KEL <7>

Client Project ID: Unocal, 18950 Lake Chabot Rd., Castro Valley

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2060989-993

Reported: Jul 1, 1992

QUALITY CONTROL DATA REPORT

SURROGATE

Method:

EPA8015

EPA8015

Analyst:

K.Wimer

K.Wimer

Reporting Units:

ug/L

ug/L

Date Analyzed:

Jun 29, 1992

Jun 29, 1992

Sample #:

206-0993

Blank

Surrogate

% Recovery:

83

101

SEQUOIA ANALYTICAL

Project Manager

Relative % Difference: Scott A. Chieffo

% Recovery:

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

x 100

Spike Conc. Added

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

2060989.KEL <8>

Client Project ID: Unocal, 18950 Lake Chabot Rd., Castro Valley

2401 Stanwell Drive, Suite 400

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 2060989-993

Reported: Jul 1, 1992

QUALITY CONTROL DATA REPORT

SURROGATE

Method:

EPA 8010

EPA 8010

Analyst:

M. Nguyen

M. Nguyen

Reporting Units: Date Analyzed: ug/L

ug/L Jun 30, 1992

Sample #:

Jun 30, 1992 206-0993

Blank

Surrogate #1

% Recovery:

113

100

Surrogate #2

% Recovery:

125

105

SEQUOIA ANALYTICAL

Project Manager

% Recovery:

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

x 100

Spike Conc. Added

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

Relative % Difference:

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

x 100

2060989.KEL < 9:



KAPREALIAN ENGINEERING, INC.

CHAIN OF CUSTODY

SAMPLER	a- 410	-		,	/ _	-	site NAME & indress eal / Castro Valley				ANALYSES REQUESTED TURN AROUND TIME:			ı					
VA WITHESSING I	attles agency		- <u> </u> 					e Chabot		87XE	i !	080	; 	 	 		<i>R</i>	egulau:	**
SAMPLE 10 NO.	DATE	 TIME	soir	VATER	 GRAB	 COMP	NO. OF	SAMPLING LOCATION		TPHG :	TPHD	TOG(557084)	8010] [[!				REMARKS	
MW-2	16/18/42	2:00 p.m.	 	J	V	 	2	Monitoring	Well	17	 	 	 	 !	 	 -	206	0989A1	3
14ω-4	4		j 	/	1 1	 	2	4	પ	1	 	1		 			1	990 A B	3
MW-5	ا در		 	1	J		3	ч	۲,			1		 	<u> </u>			99140	
MW-6	<u> </u>	1	 	1	J		2	4	ન	/	 		 	! !		I		992 Al	
NW-7	\	5:15	! 	1	J	 -	6	 	٠.	/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/	1	 				993A	
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