

# 1140

April 2, 1993

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

Attention: Mr. Barney Chan

RE: Unocal Service Station #2656

4251 E. 14th St. Oakland, California

Dear Mr. Chan:

Per the request of Mr. Dave Camille of Unocal Corporation, enclosed please find our report dated March 26, 1993, 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: Dave Camille, Unocal Corporation

KEI-P90-0102.QR6 March 26, 1993

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

Attention: Mr. Dave Camille

RE: Quarterly Report

Unocal Service Station #2656

4251 E. 14th Street Oakland, California

Dear Mr. Camille:

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-P90-0102.P6) dated September 14, 1992. All of the wells are currently monitored quarterly. Monitoring wells MW1 through MW4 are sampled semi-annually, and wells MW5 and MW6 are sampled quarterly. This report covers the work performed by KEI during March of 1993.

## BACKGROUND

The subject site contains a Unocal service station facility. One waste oil tank was removed from the site in January of 1990. The waste oil tank pit was subsequently overexcavated in order to remove contaminated soil. Two underground gasoline storage tanks and the associated product piping were removed from the site in April of 1992 during tank replacement activities. The fuel tank pit and the product pipe trenches were subsequently overexcavated in order to remove contaminated soil. Six monitoring wells have been installed 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 report (KEI-P90-0102.R7) dated January 18, 1993.

## RECENT FIELD ACTIVITIES

The six wells (MW1 through MW6) were monitored once and wells MW5 and MW6 were sampled once during the quarter. Wells MW1 through MW4 are sampled on a semi-annual basis, and thus were not sampled

KEI-P90-0102.QR6 March 26, 1993 Page 2

this quarter. During monitoring, the wells were checked for depth to water and the presence of free product. Prior to sampling, wells MW5 and MW6 were also checked for the presence of a 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 wells MW5 and MW6 on March 4, 1993. Prior to sampling, the wells were each purged of 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 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 March 4, 1993, ranged between 32.21 and 33.88 feet below grade. The water levels in all of the wells have shown decreases ranging from 1.35 to 1.39 feet since December 4, 1992. Based on the water level data gathered on March 4, 1993, the ground water flow direction appeared to be complex (varying from the northeast to the southwest), as shown on the attached Potentiometric Surface Map, Figure 1. The flow direction reported this quarter is relatively similar to the flow direction reported in the previous quarter. The average hydraulic gradient across the site on March 4, 1993, was approximately 0.002.

### ANALYTICAL RESULTS

The ground water samples collected from wells MW5 and MW6 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, benzene, toluene, xylenes, and ethylbenzene (BTX&E) by EPA method 8020, TPH as diesel by EPA method 3510/modified 8015, and total oil and grease (TOG) by Standard Methods 5520B&F.

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 on March 4, 1993, are non-detectable, and are shown on the attached Figure 2. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

KEI-P90-0102.QR6 March 26, 1993 Page 3

## 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-P90-0102.P6) dated September 14, 1992. All of the wells are currently monitored quarterly. Monitoring wells MW1 through MW4 are sampled semi-annually, and wells MW5 and MW6 are sampled quarterly.

KEI previously recommended (KEI's work plan/proposal KEI-P90-0102.P7 dated February 16, 1993) the installation of three vapor extraction test wells in the northern portion of the site. KEI also proposed conducting a pilot vapor extraction test after the installation of the test wells. The proposed locations of the vapor extraction test wells are shown on the attached Figure 3. KEI is currently in the process of obtaining the well installation permits. The wells are tentatively scheduled to be installed in April of 1993. The vapor extraction test will be performed after the installation of the wells is complete.

### DISTRIBUTION

A copy of this report should be sent to Mr. Barney Chan 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-P90-0102.QR6 March 26, 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

Senior Environmental Engineer

Joel G. Greger, C.E.G.

Senior Engineering Geologist

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

Aram Kaloustian Project Engineer

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Attachments:

Tables 1 & 2 Location Map

Potentiometric Surface Map - Figure 1

Concentrations of Petroleum Hydrocarbon - Figure 2

Well Location Map - Figure 3

Laboratory Analyses

Chain of Custody documentation

TABLE 1
SUMMARY OF MONITORING DATA

| Well No. | Ground Water<br>Elevation<br>(feet) | Depth to<br>Water<br>(feet) | Product<br>Thickness<br>(feet) | <u>Sheen</u>  | Water Purged<br>(gallons) |
|----------|-------------------------------------|-----------------------------|--------------------------------|---------------|---------------------------|
|          | (Monitored                          | and Samp                    | led on March                   | 1 4, 199      | 93)                       |
| MW1*     | -9.21                               | 32.80                       | 0                              | ' <del></del> | 0                         |
| MW2*     | -9.37                               | 32.21                       | 0                              |               | 0                         |
| * EWM    | <del>-</del> 9.36                   | 33.56                       | 0                              |               | 0                         |
| MW4 *    | -9.32                               | 32.67                       | 0                              |               | 0                         |
| MW5      | <del>-</del> 9.31                   | 33.88                       | 0                              | ИО            | 11                        |
| MW6      | -9.30                               | 33.27                       | 0                              | No            | 11                        |

| Well # | Well Cover Elevation**<br>(feet) |
|--------|----------------------------------|
| MW1    | 23.59                            |
| MW2    | 22.84                            |
| MW3    | 24.20                            |
| MW4    | 23.35                            |
| MW5    | 24.57                            |
| MW6    | 23.97                            |

<sup>\*</sup> Monitored only.

<sup>\*\*</sup> The elevations of the tops of the well covers have been surveyed relative to Mean Sea Level, per a City of Oakland Benchmark #20-F (Elevation = 23.90)

<sup>--</sup> Sheen determination was not performed.

TABLE 2
SUMMARY OF LABORATORY ANALYSES
WATER

| <u>Date</u>                      | Sample<br><u>Number</u>                      | TPH as<br><u>Diesel</u>                  | TPH as<br><u>Gasoline</u>                        | Benzene                    | <u>Toluene</u>                     | Xylenes                            | Ethyl-<br><u>benzene</u>   |
|----------------------------------|--|--|--|----------------------------|------------------------------------|------------------------------------|----------------------------|
| 3/04/93 MW1<br>MW2<br>MW3<br>MW4 |  | SAMPLED<br>SAMPLED<br>SAMPLED<br>SAMPLED | SEMI-ANNU<br>SEMI-ANNU<br>SEMI-ANNU<br>SEMI-ANNU | ALLY<br>ALLY               | ,                                  |                                    |                            |
|                                  | MW5*<br>MW6*                                 | ND<br>ND                                 | ND<br>ND   | ND<br>ND                   | ND<br>ND                           | ND<br>ND                           | ND<br>ND                   |
| 12/04/9                          | 2 MW1*<br>MW2*<br>MW3*<br>MW4*<br>MW5<br>MW6 | ND<br>ND<br>ND<br>ND<br>                 | ND<br>ND<br>ND<br>ND<br>ND                       | ND<br>ND<br>ND<br>ND<br>ND | ND<br>O.65<br>ND<br>ND<br>ND<br>ND | ND<br>0.91<br>ND<br>ND<br>ND<br>ND | ND<br>ND<br>ND<br>ND<br>ND |
| 9/24/9                           | 2 MW1*<br>MW2*<br>MW3*<br>MW4*               | ND<br>ND<br>ND<br>ND                     | ND<br>ND<br>ND<br>ND                             | ND<br>ND<br>ND             | ND<br>ND<br>ND<br>ND               | ND<br>ND<br>ND<br>ND               | ND<br>ND<br>ND<br>ND       |
| 3/18/9                           | 2 MW1*<br>MW2*<br>MW3*<br>MW4*               | ND<br>ND<br>ND                           | ND<br>ND<br>ND<br>ND                             | ND<br>ND<br>ND             | ND<br>ND<br>ND<br>ND               | ИD<br>ИD<br>ИD                     | ND<br>ND<br>ND             |
| 11/21/9                          | 1 MW1*<br>MW2*<br>MW3*                       | ND<br>ND<br>ND                           | ND<br>ND<br>ND                                   | ND<br>ND<br>ND             | ND<br>ND<br>ND                     | ND<br>ND<br>ND                     | ND<br>ND<br>ND             |
| 8/22/9                           | 1 MW1*<br>MW2*<br>MW3*                       | ND<br>ND<br>ND                           | ND<br>ND<br>ND                                   | ND<br>ND                   | ND<br>ND                           | ND<br>ND<br>ND                     | ND<br>ND<br>ND             |
| 5/22/9                           | 1 MW1*<br>MW2*<br>MW3*                       | ND<br>ND                                 | ND<br>ND   | ND<br>ND                   | ND<br>ND<br>ND                     | ND<br>ND<br>ND                     | ND<br>ND                   |
| 2/22/9                           | 1 MW1*<br>MW2*<br>MW3*<br>MWD**              | ND<br>ND<br>ND<br>ND                     | ND<br>ND<br>ND<br>ND                             | ND<br>ND<br>ND<br>ND       | ND<br>ND<br>ND<br>ND               | 0.30<br>ND<br>ND<br>ND             | ND<br>ND<br>ND<br>ND       |

KEI-P90-0102.QR6 March 26, 1993

# TABLE 2 (Continued)

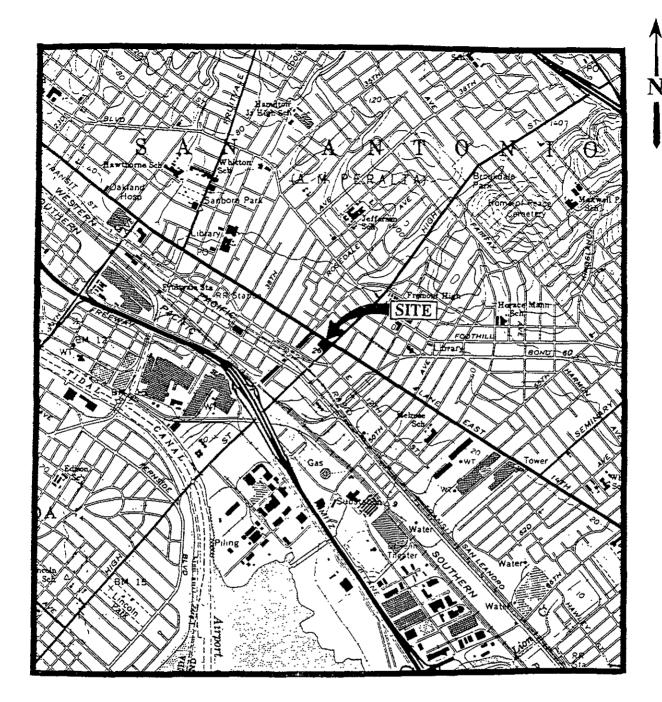
# SUMMARY OF LABORATORY ANALYSES WATER

| <u>Date</u> | Sample<br><u>Number</u> | TPH as<br><u>Diesel</u> | TPH as<br><u>Gasoline</u> | <u>Benzene</u> | <u>Toluene</u> | <u>Xylenes</u> | Ethyl-<br><u>benzene</u> |
|-------------|-------------------------|-------------------------|---------------------------|----------------|----------------|----------------|--------------------------|
| 10/02/90    | ) MW1*                  | ND                      | ND                        | ND             | 0.84           | ND             | ND                       |
| •           | MW2*                    | ND                      | ND                        | ND             | ND             | ND             | ND                       |
|             | *EWM                    | ND                      | ND                        | ND             | ND             | ND             | ND                       |

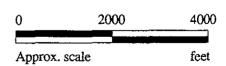
- \* TOG was non-detectable.
- \*\* Quality assurance duplicate water sample collected from monitoring well MW1. TOG was non-detectable.

ND = Non-detectable.

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



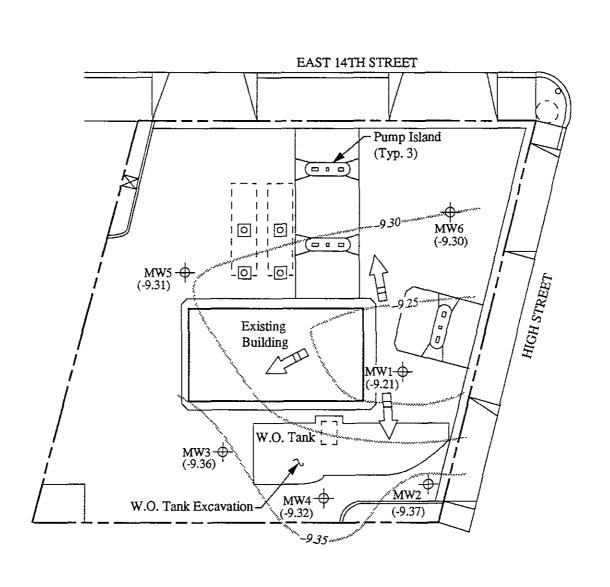
Base modified from 7.5 minute U.S.G.S. Oakland East Quadrangle (photorevised 1980)





UNOCAL SERVICE STATION #2656 4251 EAST 14TH STREET OAKLAND, CA LIFORNIA

LOCATION MAP



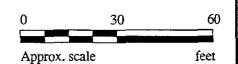
# **LEGEND**

→ Monitoring well

() Ground water elevation in feet relative to Mean Sea Level

Direction of ground water flow

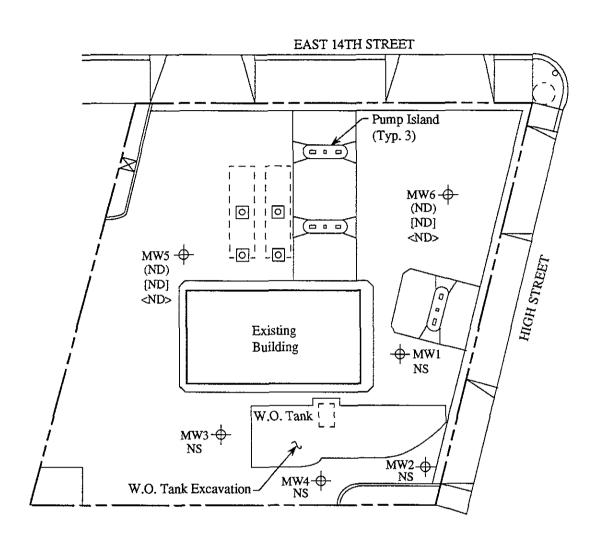
~ Coutours of ground water elevation



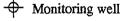
# POTENTIOMETRIC SURFACE MAP FOR THE MARCH 4, 1993 MONITORING EVENT



UNOCAL SERVICE STATION #2656 4251 EAST 14TH STREET OAKLAND, CA FIGURE



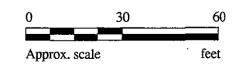
# **LEGEND**



- ( ) Concentration of TPH as gasoline in ppb
- [ ] Concentration of benzene in ppb
- < > Concentration of TPH as diesel in ppb

ND = Non-detectable

NS = Not sampled

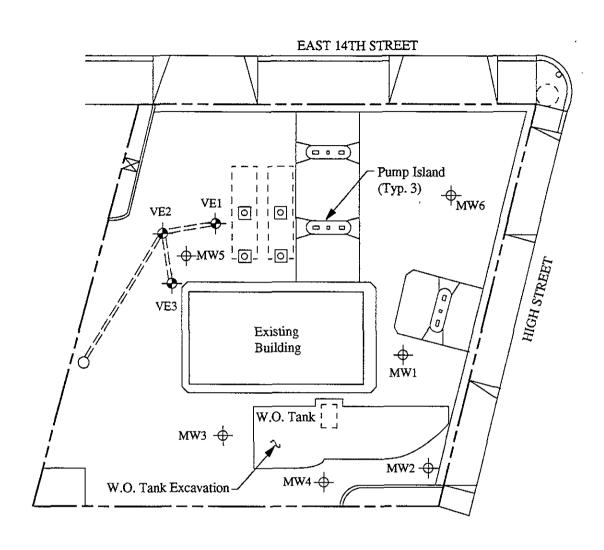


PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON MARCH 4, 1993



UNOCAL SERVICE STATION #2656 4251 EAST 14TH STREET OAKLAND, CA FIGURE

2

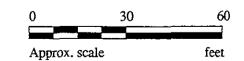


# **LEGEND**

Monitoring well (existing)

Vapor extraction well (proposed)

=== Vapor extraction subsurface conduit



## WELL LOCATION MAP



UNOCAL SERVICE STATION #2656 4251 EAST 14TH STREET OAKLAND, CA FIGURE

3

Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400

Concord, CA 94520

Client Project ID: Sample Matrix:

Unocal, 4251 E. 14th St., Oakland Water

Sampled:

Mar 4, 1993

Analysis Method: EPA 5030/8015/8020

Received: Reported: Mar 17, 1993

Mar 4, 1993

Attention: Mardo Kaprealian, P.E. return rarretet un stateto bet berralin du de unite unite et la traditate et daviat est accidante en la caletta

First Sample #:

303-0198

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

| Analyte                   | Reporting<br>Limit<br>μg/L | Sample<br>I.D.<br>303-0198<br>MW 5 | Sample<br>1.D.<br>303-0199<br>MW 6 | Sample<br>I.D.<br>Matrix<br>Blank |  |  |
|---------------------------|----------------------------|------------------------------------|------------------------------------|-----------------------------------|--|--|
| Purgeable<br>Hydrocarbons | 50                         | N.D.                               | N.D.                               | ,                                 |  |  |
| Benzene                   | 0.5                        | N.D.                               | N.D.                               |                                   |  |  |
| Toluene                   | 0.5                        | N.D.                               | N.D.                               |                                   |  |  |
| Ethyl Benzene             | 0.5                        | N.D.                               | N.D.                               |                                   |  |  |
| Total Xylenes             | 0.5                        | N.D.                               | N.D.                               |                                   |  |  |
| Chromatogram Patt         | ern:                       |                                    | ••                                 |                                   |  |  |

#### **Quality Control Data**

| <u> </u>  |        |        |        |
|---|--------|--------|--------|
| Report Limit Multiplication Factor:             | 1.0    | 1.0    | 1.0    |
| Date Analyzed:                                  | 3/8/93 | 3/8/93 | 3/8/93 |
| Instrument Identification:                      | HP-4   | HP-4   | HP-4   |
| Surrogate Recovery, %:<br>(QC Limits = 70-130%) | 98     | 97     | 100    |

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

Sample Matrix:

Unocal, 4251 E. 14th St., Oakland

Sampled: Received: Mar 4, 1993 Mar 4, 1993 :

Client Project ID:

Analysis Method: EPA 3510/3520/8015

Reported: Mar 17, 1993

. Attention: Mardo Kaprealian, P.E. First Sample #: randalana dan baringkeri baran berekeria belah ban keberaka diberaka dan baringgan bana dan baringken, k

303-0198

## TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

| Analyte                     | Reporting<br>Limit<br>μg/L | <b>Sample</b><br>I.D.<br>303-0198<br>MW 5 | Sample<br>I.D.<br>303-0199<br>MW 6 | Sample<br>I.D.<br>Matrix<br>Blank |   |
|-----------------------------|----------------------------|---|------------------------------------|-----------------------------------|---|
| Extractable<br>Hydrocarbons | 50                         | N.D.                                      | N.D.                               |                                   | • |
| Chromatogram Pat            | tern:                      |   |                                    |                                   |   |

## **Quality Control Data**

| Report Limit Multiplication Factor: | 1.0     | 1.0     | 1.0     |
|-------------------------------------|---------|---------|---------|
| Date Extracted:                     | 3/11/93 | 3/11/93 | 3/11/93 |
| Date Analyzed:                      | 3/15/93 | 3/15/93 | 3/15/93 |
| Instrument Identification:          | НР-ЗА   | НР-ЗА   | HP-3B   |

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

**SEQUOJA ANALYTICAL** 

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. First Sample #:

Client Project ID: Matrix Descript: Unocal, 4251 E. 14th St., Oakland

Water

Analysis Method: SM 5520 B&F (Gravimetric)

303-0198

Sampled:

Mar 4, 1993

Received: Mar 4, 1993: Extracted: Mar 8, 1993:

Extracted: Mar 8, 1993: Analyzed: Mar 9, 1993:

Reported: Mar 17, 1993;

## TOTAL RECOVERABLE PETROLEUM OIL

| Sample<br>Number | Sample<br>Description | Oil & Grease<br>mg/L<br>(ppm) |
|------------------|-----------------------|-------------------------------|
| 303-0198         | MW 5                  | N.D.                          |
| 303-0199         | MW 6                  | N.D.                          |

| Detection Limits: | 5.0 |
|-------------------|-----|

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

SEQUOJA ANALYTICAL

Scott A. Chieffo Project Manager Kaprealian Engineering, Inc. 2401 Stanwell Drive, Suite 400

Client Project ID: Unocal, 4251 E. 14th St., Oakland

Concord, CA 94520

Attention: Mardo Kaprealian, P.E. QC Sample Group: 3030198-199 CONTRACTOR OF STREET FROM THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR

Reported: Mar 17, 1993 กรดนในเขียงและสดในเดือ

## QUALITY CONTROL DATA REPORT

| ANALYTE   |   |   | Ethyl-  |   | <del>- ·</del> -   |   |  |
|---|---|---|---|---|--|---|--|
|   | Benzene   | Toluene   | Benzene   | e Xylenes Diese   |  | Oil and Grease  |  |
| Method:<br>Analyst:<br>Reporting Units:<br>Date Analyzed:<br>QC Sample #: | EPA<br>8015/8020<br>J.F.<br>µg/L<br>Mar 8, 1993<br>Matrix Blank | EPA<br>8015/8020<br>J.F.<br>µg/L<br>Mar 8, 1993<br>Matrix Blank | EPA<br>8015/8020<br>J.F.<br>μg/L<br>Mar 8, 1993<br>Matrix Blank | EPA<br>8015/8020<br>J.F.<br>µg/L<br>Mar 8, 1993<br>Matrix Blank | EPA8015<br>K.Wimer<br>µg/L<br>Mar 15, 1993<br>Matrix Blank | SM5520<br>D. Newcomb<br>mg/L<br>Mar 8, 1993<br>Matrix Blank |  |
| Sample Conc.:   | N.D.  | N.D.  | N.D.  | N.D.  | N.D.   | N.D.  |  |
| Spike Conc.<br>Added:   | 20  | 20  | 20  | 60  | 300  | 100   |  |
| Conc. Matrix<br>Spike:  | 20  | 20  | 20  | 63  | 289  | 97  |  |
| Matrix Spike<br>% Recovery:   | 100   | 100   | 100   | 105   | 96   | 97  |  |
| Conc. Matrix<br>Spike Dup.:   | 20  | 20  | 20  | 64  | 293  | 97  |  |
| Matrix Spike<br>Duplicate<br>% Recovery:                                  | 100   | 100   | 100   | 107   | 98   | 97  |  |
| Relative<br>% Difference:   | 0.0   | 0.0   | 0.0   | 1.6   | 1.4  | 0.0   |  |

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 Conc. of M.S. - Conc. of M.S.D. x 100 Relative % Difference: (Conc. of M.S. + Conc. of M.S.D.) / 2

3030198.KEI <4>

Kaprealian Engineering, Inc.

Client Project ID: Unocal, 4251 E. 14th St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E. QC Sample Group: 3030198-199 นเพลงเหลดเลเนนเทอใหม่แทงให้การประเทศ เพื่อสามาบริเทศ เพลงแบบรายการประเทศเดา ประเทศเลย (บระเพิ่มประเทศ เทาทร์ ทำหว

Reported: Mar 17, 1993

## **QUALITY CONTROL DATA REPORT**

SURROGATE

Method: Analyst: Reporting Units:

Date Analyzed:

Sample #:

EPA 8015 K. Wimer μg/L

Mar 15, 1993

303-0198

EPA 8015 K. Wimer μg/L

303-0199

Mar 15, 1993

EPA 8015 K. Wimer

μg/L Mar 15, 1993 Matrix Blank

Surrogate

% Recovery:

92

110

87

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

3030198.KEI <5>



# CHAIN OF CUSTODY

| SAMPLER  Vax  WITHESSING A | tkes<br>AGENCY |                 |       | 4      | SITE NAME & ADDRESS<br>Inocal / Oakland<br>1251 E. 14th st. |      |           | TXE               |          | ANALYSE<br>2 | S REQU         | ESTED    |                  |        | turn around time: Regular. |     |   |
|----------------------------|----------------|-----------------|-------|--------|---|------|-----------|-------------------|----------|--------------|----------------|----------|------------------|--------|----------------------------|-----|---|
| SAMPLE                     |                | - 1.1.5         | l sou |        |   |      | NO.<br>OF | SAMPL<br>LOCAT    | ING      | TPH6 \$ BTX  | TPHD           | 106(5510 | :                |        |                            |     | REMARKS   |
| 10 NO.                     | 3/4/9 3        | 11.00<br>a      | SOIL  | XATES. | X   | COMP |           | Monitoring        |          | X            | X              | X        |                  |        |                            |     | 3030 198AD  |
| MW6                        | 4              | 11:45           |       | X      | Х   |      | 4         | ч                 | 46       | X            | X              | X        |                  |        |                            |     | 3030 198AD  |
|                            |                |                 |       |        |   |      |           |                   |          |              |                |          |                  |        |                            | ·   |   |
|                            |                |                 |       |        |   |      |           |                   |          |              |                |          |                  |        |                            |     |   |
|                            |                |                 |       |        |   |      |           |                   |          |              |                |          |                  |        | -                          |     |   |
|                            |                | <u></u>         |       |        |   | ļ    |           |                   |          |              |                |          |                  |        |                            |     |   |
|                            |                |                 |       |        |   |      |           |                   |          |              |                |          |                  |        |                            |     |   |
|                            |                |                 |       |        |   |      |           |                   |          |              |                |          |                  |        |                            |     |   |
| Relinquishe                |                | — <i>-</i> /~/~ | 3/4/4 | ate/Yi | .40   | _    |           | yed by: tsignatur |          |              | for a          | analvsi  | s:               |        |                            |     | the laboratory accepting samples analysis been stored in ice? |
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