

Unocal Refining & Marketing Division

Unocal Corporation
P.O. Box 8175
2175 North California Blvd., Suite 650
Walnut Creek, California 94596
(415) 945-7676

UNOCAL 76 January 5, 1989

Northern California Division

Mr. Robert Dawson, Inspector
City of Oakland
1 City Hall Plaza
Oakland, CA 94612

RECEIVED
JAN 10 1989

**HAZARDOUS MATERIALS/
WASTE PROGRAM**

PIPE TRENCH SOIL SAMPLES
UNOCAL SERVICE STATION NO. 3135
845-66TH Avenue
Oakland, California

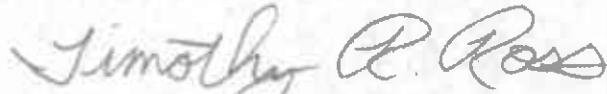
Mr. Dawson:

Attached is a report regarding soil samples that were taken from the pipe trench during the installation of the point of sale terminal.

The sample results were all nondetectable for TPH and BTXE. Unless we receive additional information from your office, Unocal shall consider this incident closed.

If you have any questions, please feel free to contact me at (415) 945-7676, extension 253.

Very truly yours,



TIMOTHY R. ROSS
ENVIRONMENTAL ENGINEER

TRR:ndw

cc: **Mr. Ariu Levi**
Alameda County Dept. of Env. Health
80 Swan Way
Room 200
Oakland, CA 94621

Ms. Lisa McCann
CRWOCBS
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, California 94607

R. L. Folda - w/o attachment



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P. O. BOX 913

BENICIA, CA 94510

(415) 676-9100 (707) 746-6915

KEI-J88-1203.R1
December 16, 1988

Unocal Corporation
2175 N. California Blvd., Suite 650
Walnut Creek, CA 94569

Attention: Mr. Tim Ross

RE: Pipe Trench Soil Sampling Report
Unocal S/S #3135
845 - 66th Avenue
Oakland, California

Dear Mr. Ross:

This report summarizes the pipe trench sampling performed by Kaprealian Engineering, Inc. (KEI) at the above referenced site. All sampling was performed in compliance with the guidelines established by the Regional Water Quality Control Board (RWQCB), and the Alameda County Department of Environmental Health.

On December 8, 1988, KEI visited the above referenced site to collect the pipe trench soil samples required by the Alameda County Department of Environmental Health. Soil samples (labeled P1, P2 and P3) were collected from the pipe trench at various depths as indicated in Table 1. Sample locations are shown on the attached Location Plan. The soil samples were collected from undisturbed native soil. The samples were placed in clean, two-inch diameter brass tubes, sealed with aluminum foil, plastic caps, and tape and delivered to a certified laboratory. Mr. Ariu Levi of the Alameda County Department of Environmental Health was present during sampling.

ANALYTICAL RESULTS

All samples were analyzed by Sequoia Analytical Laboratory of Redwood City, California, and were accompanied by a proper chain of custody form. The samples were analyzed for total petroleum hydrocarbon as gasoline (TPH), benzene, toluene, xylenes and ethylbenzene (BTX&E) concentrations. The analytical results are summarized in Table 1. Copies of the laboratory analyses and the chain of custody form are attached to this report.

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December 16, 1988
Page 2

DISCUSSION AND RECOMMENDATIONS

Analytical results of the soil samples from the pipe trench indicates non-detectable levels of gasoline constituents for all samples.

A copy of this report should be sent to Mr. Robert Dawson of the Oakland Fire Department, to Mr. Ariu Levi of the Alameda County Department of Environmental Health, and to the RWQCB.

LIMITATIONS

The results of this study are based on the data obtained from the field and laboratory investigations. We have analyzed this 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, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

Should you have any questions regarding this report, please feel free to call me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.


Richard M. Bradish
Staff Engineer

Attachments: Table 1
Site Plan
Laboratory Analyses
Chain of Custody form

KEI-J88-1203.R1
December 16, 1988

TABLE 1

SUMMARY OF LABORATORY ANALYSES

(All Analyses are in ppm)
(Sampled December 8, 1988)

<u>Sample #</u>	<u>Depth</u>	<u>TPH</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl- benzene</u>
P1	2'	<1.0	<0.05	<0.1	<0.1	<0.1
P2	3'	<1.0	<0.05	<0.1	<0.1	<0.1
P3	3'	<1.0	<0.05	<0.1	<0.1	<0.1



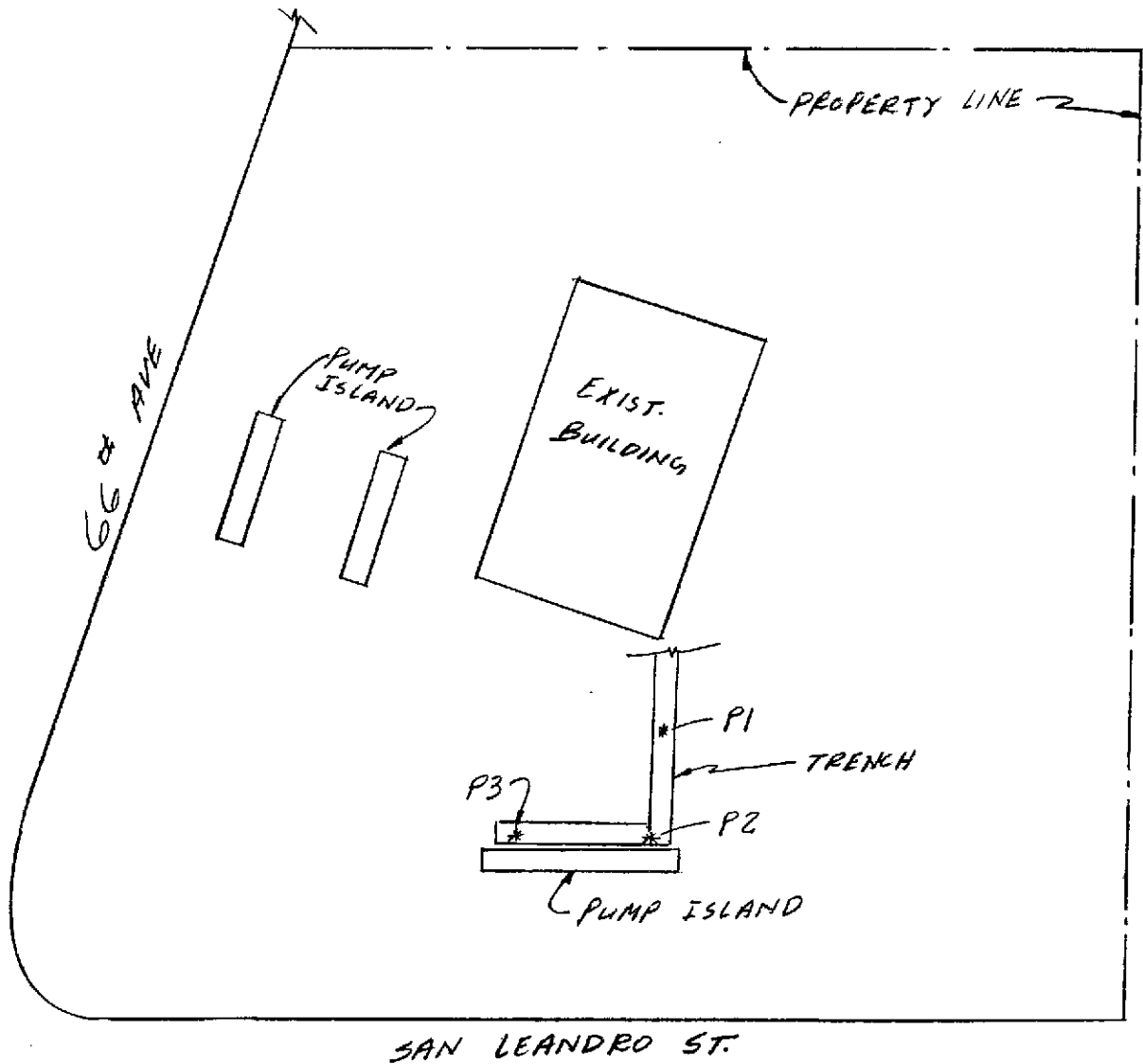
KAPREALIAN ENGINEERING, INC.

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SITE PLAN

* SOIL SAMPLE LOCATION

UNOCAL s/s # 3135
845-66th AVE
OAKLAND, CALIF.



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Kaprealian Engineering, Inc. P.O. Box 913 Benicia, CA 94510 Attention: Mardo Kaprealian, P.E.	Client Project ID: Unocal, Oakland, 66th/San Leandro Matrix Description: Soil Method of Analysis: EPA 5030 or 3810/8015/8020 First Sample Number: 812-0724	Sampled: December 8, 1988 Received: December 9, 1988 Analyzed: December 9, 1988 Reported: December 12, 1988
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TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
812-0724	P1	N.D.	N.D.	N.D.	N.D.	N.D.
812-0725	P2	N.D.	N.D.	N.D.	N.D.	N.D.
812-0726	P3	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limits:	1.0	0.05	0.1	0.1	0.1
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P. O. BOX 913

BENICIA, CA 94510

(415) 676-9100 (707) 746-6915

CHAIN OF CUSTODY

SAMPLER: R.M. Bradish (signature) DATE/TIME OF COLLECTION: 12-8-88 TURN AROUND TIME: 24 Hr

SAMPLE DESCRIPTION AND PROJECT NUMBER:

Unocal - Oakland
66th & San Leandro

<u>SAMPLE #</u>	<u>ANALYSES</u>	<u>GRAB OR COMP.</u>	<u>NUMBER OF CONTAINERS</u>	<u>SOIL/ WATER</u>
<u>P1</u>	<u>TPH-G & BTXE</u>	<u>G</u>	<u>1</u>	<u>S</u>
<u>P2</u>	<u>" "</u>	<u>G</u>	<u>1</u>	<u>S</u>
<u>P3</u>	<u>" "</u>	<u>G</u>	<u>1</u>	<u>S</u>

<u>RELINQUISHED BY*</u>	<u>TIME/DATE</u>	<u>RECEIVED BY*</u>	<u>TIME/DATE</u>
<u>R.M. Bradish</u>	<u>8:00 12/8/88</u>	<u>[Signature]</u>	<u>0800 12/9/88</u>
<u>2.</u>			
<u>3.</u>			
<u>4.</u>			

* STATE AFFILIATION NEXT TO SIGNATURE

REMARKS: _____



KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P. O. BOX 913

BENICIA, CA 94510

(415) 676-9100 (707) 746-6915

CHAIN OF CUSTODY

SAMPLER: R.M. Bradish (signature) DATE/TIME OF COLLECTION: 12-8-88 TURN AROUND TIME: 24 Hr

SAMPLE DESCRIPTION AND PROJECT NUMBER:

Unocal - Oakland
66th of San Leandro

SAMPLE #	ANALYSES	GRAB OR COMP.	NUMBER OF CONTAINERS	SOIL/WATER	
P1	TPH-G & BTXE	G	1	S	724
P2	" "	G	1	S	725
P3	" "	G	1	S	726

RELINQUISHED BY*	TIME/DATE	RECEIVED BY*	TIME/DATE
1. <u>R.M. Bradish</u>	<u>8:00 12/8/88</u>	<u>[Signature]</u>	<u>0800 12/9/88</u>
2.		<u>[Signature]</u>	<u>9:30 12/09</u>
3.			
4.			

* STATE AFFILIATION NEXT TO SIGNATURE

REMARKS: _____