



**KAPREALIAN ENGINEERING, INC.**  
**Consulting Engineers**

P.O. BOX 996 • BENICIA, CA 94510  
 (707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

TRANSMITTAL PAGE

DATE: 1-5-90

*Alameda County Health Care Services*

TO: Arieh Levi

FROM: Dick Braccia

Number of Pages  
 (including cover): 4

SUBJECT: Unocal SS # 3135 - DAKLIND (66<sup>TH</sup> & SAN LEONARD)

*Pls find attached laboratory results & chain of custody documentation for four (4) add'l pipe trench samples collected on 12/29/89 at above referenced site. Also attached is a Site Plan indicating sample point locations.*

*These samples are in addition to samples P1a*

If any problems occur in receiving, please call the number listed above.

*DI-06 for which results have been previously submitted to you.*

*Note lab results for sample pt P2. Will excavate further & resample at this location Monday 1/8/90, 10<sup>00</sup> AM.*



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Unocal S/S # 3135  
 66<sup>th</sup> Ave / San Leandro  
 Oakland, California



# SEQUOIA ANALYTICAL

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

Kaprealian Engineering, Inc.	Client Project ID:	Unocal, Oakland, 88th Ave/San Leandro	Sampled:	Dec 29, 1988
P.O. Box 896	Matrix Descript:	Soil	Received:	Jan 3, 1990
Benicia, CA 94510	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jan 3, 1990
Attention: Mardo Kaprealian, P.E.	First Sample #:	001-0082	Reported:	Jan 4, 1990

## 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)
001-0082	P2	3,800	8.1	290	140	760
001-0083	P3	11	0.13	N.D.	0.18	1.3
001-0084	P4	1.4	N.D.	N.D.	N.D.	0.28
001-0085	P5	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

Belinda C. Vega  
Project Manager



# KAPREALIAN ENGINEERING, INC.

## CHAIN OF CUSTODY

SAMPLER <b>HAGOP</b>		SITE NAME & ADDRESS <b>Unocal - Oakland - 845 - 66th Ave / San Leandro</b>							ANALYSES REQUESTED		TURN AROUND TIME: <b>24 Hrs</b> Priority needed by <b>5:00pm 1/3/89</b>
WITNESSING AGENCY									TPH - <input checked="" type="checkbox"/>		REMARKS  <b>0010082</b> <b>e3</b> <b>84</b> <b>85</b>
SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	CONT.	NO. OF	SAMPLING LOCATION		
<b>P2</b>	<b>1/2/89</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<b>1</b>	<b>pipe Trench</b>		
<b>P3</b>	<b>1/2/89</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<b>1</b>	<b>pipe Trench</b>		
<b>P4</b>	<b>1/2/89</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<b>1</b>	<b>pipe Trench</b>		
<b>P5</b>	<b>1/2/89</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<b>1</b>	<b>pipe Trench</b>		
Relinquished by: (Signature) <b>Hagop Kevork</b>		Date/Time <b>1/3/89 7:40</b>		Received by: (Signature) <b>Tom McPain</b>		The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? 2. Will samples remain refrigerated until analyzed? 3. Did any samples received for analysis have head space? 4. Were samples in appropriate containers and properly packaged?					
Relinquished by: (Signature) <b>Tom McPain</b>		Date/Time		Received by: (Signature)							
Relinquished by: (Signature)		Date/Time		Received by: (Signature)							
Relinquished by: (Signature)		Date/Time <b>1/3/89 8:55a.m.</b>		Received by: (Signature) <b>Brenda Oh</b>							
						Signature <b>[Signature]</b>		Title <b>1/3</b>		Date	

01/05/90 11:03 0707 746 5581 KAPREALIAN ENG. 0004