PARADISO MECHANICAL, INC.
GENERAL & PETROLEUM CONTRACTORS
2600 WILLIAMS ST. P.O. BOX 1836
SAN LEANDRO, CA 94577
(510)614-8390 FAX (510)614-8396
CONTRACTORS LICENSE #677909

ALCO HAZMAT
94 OCT 14 PM 3:25

LETTER TRANSMITTAL

DATE 10/13/94	JOB NO. 154
ATTENTION: JULIETT SHIN	
RE: VINCENT ROOFING	
2181 DUNN ROAD	
HAYWARD, CA 94545	

TO ALAMEDA COUNTY ENVIR. HEALTH
1131 HARBOR BAY PKWY.
ALAMEDA, CA 94502

WE ARE SENDING YOU ☐ Attached ☐ Under Separate Cover via US MAIL the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Sample ☐ Specifications

☐ Copy of Letter ☐ Change Order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			KEI SOIL SAMPLING REPORT

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____, 19___ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: Shari Thompson

KAPREALIAN ENGINEERING
INCORPORATED

KEI-J94-0804.R1
September 6, 1994

Paradiso Mechanical, Inc.
P.O. Box 1836
San Leandro, CA 94577

Attention: Mr. Paul Paradiso

RE: Soil Sampling Report
Vincent Roofing Co.
2181 Dunn Road
Hayward, California

Dear Mr. Paradiso:

This report summarizes the soil sampling performed by Kaprealian Engineering, Inc. (KEI) at the referenced site. All work was performed in compliance with the guidelines established by the Regional Water Quality Control Board (RWQCB) and the Alameda County Health Care Services (ACHCS) Agency.

The scope of the work performed by KEI consisted of the following:

Coordination with regulatory agencies

Collection of soil samples from the underground fuel storage tank pit and pump island excavation

Collection of one ground water sample from the fuel storage tank pit

Collection of soil samples from the stockpiled soil that had been excavated from the fuel storage tank pit

Delivery of soil and water samples, including proper Chain of Custody documentation, to a certified analytical laboratory for analysis

Technical review and preparation of this report

SITE DESCRIPTION AND BACKGROUND

The subject site formerly contained one underground fuel storage tank. A Location Map and a Site Plan are attached to this report. No previous subsurface work performed at the site is known to KEI.

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax: 510.687.0602

FIELD ACTIVITIES

KEI's field work was conducted on August 4, 1994, when one 6,000 gallon underground gasoline storage tank was removed from the site. The tank was made of single-walled steel, and no apparent holes or cracks were observed in the tank. The tank was transported by Erikson, Inc. of Richmond, California, under proper manifest. Ms. Juliet Shin of the ACHCS was present during tank removal and subsequent soil sampling activities.

Water was encountered in the fuel tank pit at a depth of approximately 10.5 feet below grade, thus prohibiting the collection of any soil samples from immediately beneath the tanks. Two soil samples, labeled SW1 and SW2, were collected from the north and south sidewalls of the fuel tank pit at depths of approximately 10 feet and 9 feet below grade, respectively. Due to observed soil contamination in the south sidewall beneath the former pump island (Figure 1), additional excavation was performed in the south sidewall (the entire sidewall was overexcavated approximately 3 feet laterally). Following the additional excavation, one additional soil sample (labeled SW2[3]) was collected from the south sidewall at a depth of about 8.5 feet below grade. The undisturbed samples were collected from bulk material excavated by backhoe. The samples were placed in clean, two-inch diameter brass tubes, sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to a state-certified laboratory. Sample point locations are shown on the attached Figure 1.

Excavated soil from the fuel tank pit was stockpiled on-site. Three discrete soil samples (designated as S1, S2, and S3 on the attached Figure 1) was collected from approximately 60 cubic yards of stockpiled soil that was generated during the removal of the underground fuel storage tank. In addition, one composite soil sample (designated as Comp A on the attached Figure 1) was collected from approximately 20 cubic yards of stockpiled soil that was additionally generated during the overexcavation activities performed in the south sidewall of the fuel tank pit. The samples were collected to comply with local regulatory agency requirements for proper disposal of excavated soils. These soil samples were also collected in two-inch diameter, clean brass tubes, and handled as previously described. The composite soil sample (Comp A) consisted of four individual grab samples collected at various locations and at depths of about 2 feet into the stockpile. The four individual samples were subsequently composited as one sample by the lab. All sample point locations are shown on the attached Figure 1.

On August 8, 1994, approximately 350 gallons of ground water were pumped from the fuel tank pit by Erikson, Inc. One water sample,

labeled Water-F, was collected from the fuel tank pit using a clean Teflon bailer. The water sample was decanted into four clean glass VOA vials that were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory. The fuel tank pit excavation was backfilled and compacted with clean imported soil by Paradiso Mechanical of San Leandro, California. Profiling and disposal of all stockpiled soil will be coordinated by Paradiso mechanical.

SUBSURFACE CONDITIONS

The subsurface soils exposed in the excavation consisted primarily of sandy silt, except for the south sidewall of the excavation, which consisted primarily of sandy clay. Ground water was encountered in the fuel tank pit excavation at a depth of about 10.5 feet below grade.

ANALYTICAL RESULTS

All samples were analyzed by Sequoia Analytical Laboratory in Concord, California and were accompanied by properly executed Chain of Custody documentation. All soil and water samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020. All samples, except the composite sample Comp A, were also analyzed for total lead.

The results of the soil analyses are summarized in Table 1, and the results of the water analyses are summarized in Table 2. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

DISCUSSION AND RECOMMENDATIONS

The analytical results of the soil and water samples collected during the recent removal of the fuel storage tank indicate that the hydrocarbon-contaminated soil in the south sidewall (beneath the former product pump island) has been excavated. The soil sample collected from the south sidewall of the fuel tank pit, following the additional excavation, showed non-detectable concentrations of TPH as gasoline and BTEX. Furthermore, the water sample Water-F, collected from the fuel tank pit (after purging approximately 350 gallons of water) showed non-detectable concentrations of all constituents analyzed. Therefore, based upon the analytical results of all of the samples collected, and based upon visual inspection of the condition of the tank and the excavation performed at the site, KEI recommends no further work associated with the removal of the former fuel storage tank, unless required by the regulatory agencies.

DISTRIBUTION

A copy of this report should be sent to Ms. Juliet Shin of the ACHCS, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in 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 work and laboratory analyses. 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 (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Hagop Kevork
Staff Engineer

Joel G. Greger, C.E.G.
Senior Engineering Geologist

License No. EG 1633
Exp. Date 8/31/96

Robert H. Kezerian
Project Manager

\jad

Attachments: Tables 1 & 2
Location Map
Figure 1
Laboratory Analyses
Chain of Custody Documentation

KEI-J94-0804.R1
September 6, 1994

TABLE 2

SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	Total Lead (mg/L)
8/08/94	Water-F	ND	ND	ND	ND	ND	ND

ND = Non-detectable.

Results are in micrograms per liter (µg/L), unless otherwise indicated.

KEI-J94-0804.R1
September 6, 1994

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Total Lead
8/04/94	SW1	10.0	ND	ND	ND	ND	ND	1.9
	SW2*	9.0	260	ND	ND	0.16	0.57	6.5
	SW2(3)	8.5	ND	ND	ND	ND	ND	5.5
			STOCKPILED SOIL					
	S1	2.0	1.0	ND	0.0082	0.0052	0.027	17
	S2	2.0	ND	ND	0.0053	ND	0.0020	ND
	S3	2.0	ND	ND	0.0059	ND	0.015	2.4
	Comp A*	N/A	150	ND	ND	0.11	0.35	--

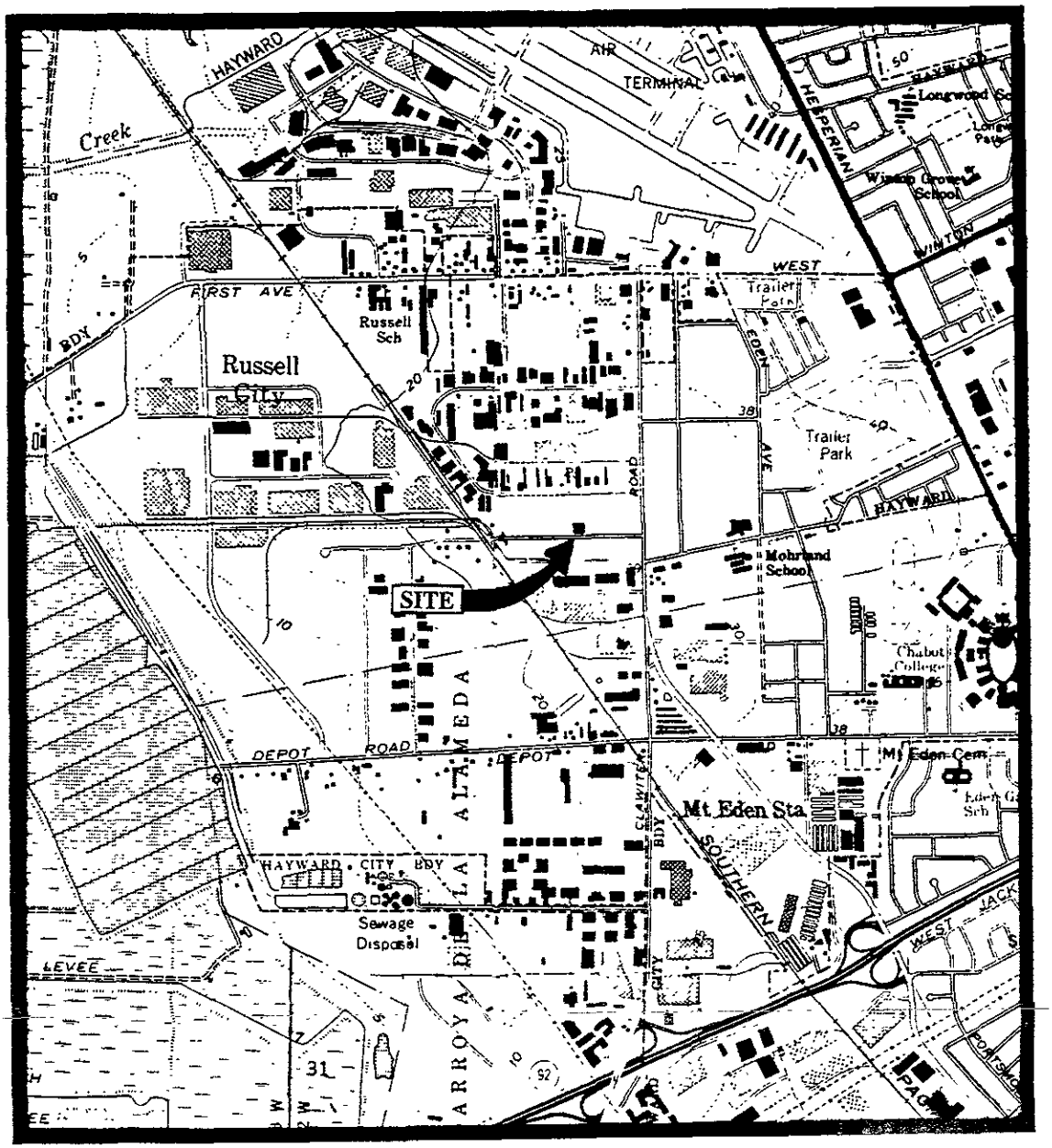
* Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

ND = Non-detectable.

N/A = Not applicable.

-- Indicates analysis was not performed.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

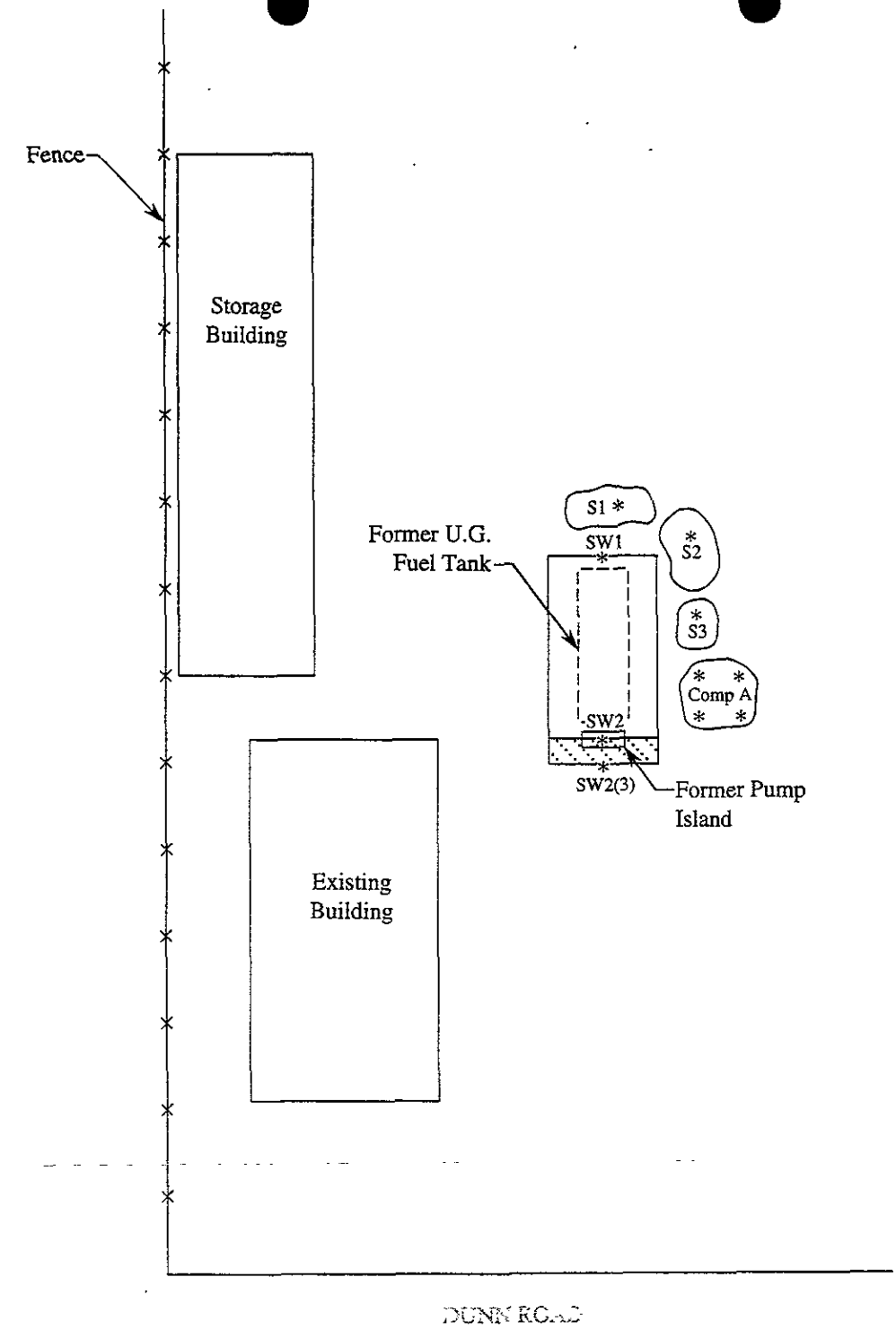


Base modified from 7.5 minute U.S.G.S.
Hayward and San Leandro Quadrangle
(both photorevised 1980)

0 2000 4000

Approx. scale feet

KAPREALIAN ENGINEERING INCORPORATED	VINCENT ROOFING CO. 2181 DUNN ROAD HAYWARD, CALIFORNIA	LOCATION MAP



LEGEND

* Sample point location

Stockpiled soil (not to scale)

0 20 40

Approx. scale feet

SITE PLAN

KAPREALIAN ENGINEERING
INCORPORATED

VINCENT ROOFING CO.
2181 DUNN ROAD
HAYWARD, CALIFORNIA

FIGURE
1

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co., 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Aug 8, 1994
Attention: Avo Avedissian	First Sample #:	408-0283		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0283 Comp A*
Purgeable Hydrocarbons	1.0	150
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.11
Total Xylenes	0.0050	0.35
Chromatogram Pattern:		Unidentified Hydrocarbons >C10

Quality Control Data

Report Limit Multiplication Factor:	10
Date Analyzed:	8/6/94
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	105

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
* This sample does not appear to contain gasoline. "Unidentified Hydrocarbons >C10" refers to unidentified peaks in the total extractable petroleum hydrocarbons range.

Sequoia Analytical

[redacted]esapeake Drive, Redwood City, CA 94063, (4[redacted]364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co., 2181 Dunn Rd., Hayward
Matrix: Solid
QC Sample Group: 408-0283

Reported: Aug 8, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	J.F./A.T.	J.F./A.T.	J.F./A.T.	J.F./A.T.
MS/MSD Batch#:	4080294	4080294	4080294	4080294
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Matrix Spike % Recovery:	100	110	110	114
Matrix Spike Duplicate % Recovery:	98	105	108	111
Relative % Difference:	2.0	4.7	1.8	2.7
LCS Batch#:	1LCS080694	1LCS080694	1LCS080694	1LCS080694
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	92	98	100	101
% Recovery Control Limits:	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: Haig

WITNESSING AGENCY:

SITE NAME & ADDRESS: VINCENT ROOFING CO, 2181 DUNN RD - HAYWARD

ANALYSES REQUESTED: TPH D; BTXE

TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	REMARKS
CompA	8/4/94		✓			✓	4	STOCKPILE	4080283 A-D

Relinquished by: (Signature) Haig Kelley	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature) RD Kelley 8/4/94 7:50 pm

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

RD Kelley — Signature; Sample Control — Title; 8/4/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel. 510 602 5100 Fax 510 687 0602

Sequoia Analytical

680 [redacted]esapeake Drive, Redwood City, CA 94063, (415) [redacted]4-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co., 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Aug 8, 1994
Attention: Avo Avedissian	First Sample #:	408-0289		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0289 SW1	Sample I.D. 408-0290 SW2*	Sample I.D. 408-0291 SW2 (3)
Purgeable Hydrocarbons	1.0	N.D.	260	N.D.
Benzene	0.0050	N.D.	N.D.	N.D.
Toluene	0.0050	N.D.	N.D.	N.D.
Ethyl Benzene	0.0050	N.D.	0.16	N.D.
Total Xylenes	0.0050	N.D.	0.57	N.D.
Chromatogram Pattern:		--	Unidentified Hydrocarbons >C10	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	20	1.0
Date Analyzed:	8/6/94	8/6/94	8/5/94
Instrument Identification:	HP-2	HP-2	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	100	94	93

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
* This sample does not appear to contain gasoline. Unidentified Hydrocarbons >C10" refers to unidentified peaks in the total extractable petroleum hydrocarbons range.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co., 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis for:	Lead	Extracted:	Aug 5, 1994
Attention: Avo Avedissian	First Sample #:	408-0289	Analyzed:	Aug 5, 1994
			Reported:	Aug 8, 1994

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
408-0289	SW1	1.0	1.9
408-0290	SW2	1.0	6.5
408-0291	SW2 (3)	1.0	5.5

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

4080289.KEI <2>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co., 2181 Dunn Rd., Hayward
Matrix: Solid
QC Sample Group: 4080289-291

Reported: Aug 8, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 6010
Analyst:	J.F./A.T.	J.F./A.T.	J.F./A.T.	J.F./A.T.	K.A.
MS/MSD Batch#:	4080294	4080294	4080294	4080294	4080294
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	Liberty 100
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	50 mg/Kg
Matrix Spike % Recovery:	100	110	110	114	95
Matrix Spike Duplicate % Recovery:	98	105	108	111	91
Relative % Difference:	2.0	4.7	1.8	2.7	4.3
LCS Batch#:	1LCS080694	1LCS080694	1LCS080694	1LCS080694	BLK080594
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	Liberty 100
LCS % Recovery:	92	98	100	101	102
% Recovery Control Limits:	55-145	47-149	47-155	56-140	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: Hawg
WITNESSING AGENCY: ACDEH
SITE NAME & ADDRESS: VINCENT ROOFING CO. 2181 DUNN RD - HAYWARD

ANALYSES REQUESTED: TPH-G; BTXE; Total Pb

TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	REMARKS
SW1	8/4/93		✓		✓		1	Fuel Tank Pit	4080289
SW2	↓		✓		✓		1	↓	4080290
SW2(3)	↓		✓		✓		1	↓	4080291

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature) PB Kelley 8/4/94 7:50 pm

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

RJ Kelley — Signature; Sample Control — Title; 8/4/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel. 510 602 5100 Fax 510 687 0602

Sequoia Analytical

680[redacted]sapeake Drive, Redwood City, CA 94063, (415[redacted]4-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co, 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Aug 8, 1994
Attention: Avo Avedissian	First Sample #:	408-0292		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0292 S 1	Sample I.D. 408-0293 S 2	Sample I.D. 408-0294 S 3
Purgeable Hydrocarbons	1.0	1.0	N.D.	N.D.
Benzene	0.0050	N.D.	N.D.	N.D.
Toluene	0.0050	0.0082	0.0053	0.0059
Ethyl Benzene	0.0050	0.0052	N.D.	N.D.
Total Xylenes	0.0050	0.027	0.0020	0.015
Chromatogram Pattern:		Gasoline	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	8/5/94	8/5/94	8/5/94
Instrument Identification:	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	88	89	88

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Sequoia Analytical

680[redacted]sapeake Drive, Redwood City, CA 94063, (41[redacted]64-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co, 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis for:	Lead	Extracted:	Aug 5, 1994
Attention: Avo Avedissian	First Sample #:	408-0292	Analyzed:	Aug 5, 1994
			Reported:	Aug 8, 1994

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
408-0292	S 1	1.0	17
408-0293	S 2	1.0	N.D.
408-0294	S 3	1.0	2.4

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

4080292.KEI <2>

Sequoia Analytical

68[redacted]esapeake Drive, Redwood City, CA 94063, (41[redacted]64-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co, 2181 Dunn Rd., Hayward
Matrix: Solid
QC Sample Group: 4080292-294

Reported: Aug 8, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 6010
Analyst:	JF/AT	JF/AT	JF/AT	JF/AT	K.A.
MS/MSD Batch#:	4080294	4080294	4080294	4080294	4080294
Date Prepared:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Date Analyzed:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	Liberty 100
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	50 mg/Kg
Matrix Spike % Recovery:	83	95	98	99	95
Matrix Spike Duplicate % Recovery:	83	93	95	98	91
Relative % Difference:	0.0	2.1	3.1	1.0	4.3
LCS Batch#:	2LCS080594	2LCS080594	2LCS080594	2LCS080594	BLK080594
Date Prepared:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Date Analyzed:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	Liberty 100
LCS % Recovery:	89	99	101	103	102
% Recovery Control Limits:	55-145	47-149	47-155	56-140	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: Haig

WITNESSING AGENCY:

SITE NAME & ADDRESS: VINCENT ROOFING CO.
2181 DUNN RD - HAYWARD

TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	ANALYSES REQUESTED: TPH-D	BTXE	Total Pb	REMARKS
S-1	8/4/93		✓		✓		1	STOCKPILE	✓	✓	✓	4080292
S-2			✓		✓		1		✓	✓	✓	4080293
S-3			✓		✓		1		✓	✓	✓	4080294

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature) R.D. Kelley 8/4/94 7:50 pm

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

R.D. Kelley — Signature; Sample Control — Title; 8/4/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax: 510.687.0602

Sequoia Analytical

6[redacted] Chesapeake Drive, Redwood City, CA 94063, (4[redacted]364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co, 2181 Dunn Rd, Hayward	Sampled:	Aug 8, 1994
2401 Stanwell Dr., Ste. 400	Sample Descript:	Water	Received:	Aug 8, 1994
Concord, CA 94520	Analysis for:	Lead	Extracted:	Aug 10, 1994
Attention: Avo Avedissian	First Sample #:	408-0519	Analyzed:	Aug 11, 1994
			Reported:	Aug 16, 1994

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
408-0519	Water-F	0.050	N.D.

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co, 2181 Dunn Rd, Hayward
Matrix: Liquid
QC Sample Group: 408-0519

Reported: Aug 22, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 200.7
Analyst:	J. Fontecha	J. Fontecha	J. Fontecha	J. Fontecha	J. Dinsay
MS/MSD Batch#:	4080646	4080646	4080646	4080646	4080553
Date Prepared:	8/16/94	8/16/94	8/16/94	8/16/94	8/10/94
Date Analyzed:	8/16/94	8/16/94	8/16/94	8/16/94	8/11/94
Instrument I.D.#:	HP/5	HP/5	HP/5	HP/5	Liberty-100
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	1.0 mg/L
Matrix Spike % Recovery:	100	105	110	107	78
Matrix Spike Duplicate % Recovery:	100	105	115	112	84
Relative % Difference:	0.0	0.0	4.4	4.6	7.4
LCS Batch#:	3LCS081694	3LCS081694	3LCS081694	3LCS081694	BLK081094
Date Prepared:	8/16/94	8/16/94	8/16/94	8/16/94	8/10/94
Date Analyzed:	8/16/94	8/16/94	8/16/94	8/16/94	8/11/94
Instrument I.D.#:	HP/5	HP/5	HP/5	HP/5	Liberty-100
LCS % Recovery:	105	115	120	113	92
% Recovery Control Limits:	71-133	72-128	72-130	71-120	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: HAIG
WITNESSING AGENCY:
SITE NAME & ADDRESS: VINCENT ROOFING CO., HAYWARD, 2181 DUNN Road

TURN AROUND TIME: ONE WEEK / 5 DAYS

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-G	BTXE	Total Lead					REMARKS
Water-F	8/8/94			✓	✓		4	Fuel Tank Pit	✓	✓	✓		4080519			Water sample was collected in Four VOA's.
														AD		

Relinquished by: (Signature) — Date/Time — Received by: (Signature)

Relinquished by: (Signature) — Date/Time — Received by: (Signature)

Relinquished by: (Signature) — Date/Time — Received by: (Signature)

Relinquished by: (Signature) — Date/Time — Received by: (Signature)
RJ Kelley 8/8/94 7:30pm

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

RJ Kelley — Signature; Sample Control — Title; 8/8/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel. 510 602 5100 Fax 510 687 0602

KAPREALIAN ENGINEERING
INCORPORATED

KEI-J94-0804.R1
September 6, 1994

Paradiso Mechanical, Inc.
P.O. Box 1836
San Leandro, CA 94577

Attention: Mr. Paul Paradiso

RE: Soil Sampling Report
Vincent Roofing Co.
2181 Dunn Road
Hayward, California

Dear Mr. Paradiso:

This report summarizes the soil sampling performed by Kaprealian Engineering, Inc. (KEI) at the referenced site. All work was performed in compliance with the guidelines established by the Regional Water Quality Control Board (RWQCB) and the Alameda County Health Care Services (ACHCS) Agency.

The scope of the work performed by KEI consisted of the following:

Coordination with regulatory agencies

Collection of soil samples from the underground fuel storage tank pit and pump island excavation

Collection of one ground water sample from the fuel storage tank pit

Collection of soil samples from the stockpiled soil that had been excavated from the fuel storage tank pit

Delivery of soil and water samples, including proper Chain of Custody documentation, to a certified analytical laboratory for analysis

Technical review and preparation of this report

SITE DESCRIPTION AND BACKGROUND

The subject site formerly contained one underground fuel storage tank. A Location Map and a Site Plan are attached to this report. No previous subsurface work performed at the site is known to KEI.

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax: 510.687.0602

FIELD ACTIVITIES

KEI's field work was conducted on August 4, 1994, when one 6,000 gallon underground gasoline storage tank was removed from the site. The tank was made of single-walled steel, and no apparent holes or cracks were observed in the tank. The tank was transported by Erikson, Inc. of Richmond, California, under proper manifest. Ms. Juliet Shin of the ACHCS was present during tank removal and subsequent soil sampling activities.

Water was encountered in the fuel tank pit at a depth of approximately 10.5 feet below grade, thus prohibiting the collection of any soil samples from immediately beneath the tanks. Two soil samples, labeled SW1 and SW2, were collected from the north and south sidewalls of the fuel tank pit at depths of approximately 10 feet and 9 feet below grade, respectively. Due to observed soil contamination in the south sidewall beneath the former pump island (Figure 1), additional excavation was performed in the south sidewall (the entire sidewall was overexcavated approximately 3 feet laterally). Following the additional excavation, one additional soil sample (labeled SW2[3]) was collected from the south sidewall at a depth of about 8.5 feet below grade. The undisturbed samples were collected from bulk material excavated by backhoe. The samples were placed in clean, two-inch diameter brass tubes, sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to a state-certified laboratory. Sample point locations are shown on the attached Figure 1.

Excavated soil from the fuel tank pit was stockpiled on-site. Three discrete soil samples (designated as S1, S2, and S3 on the attached Figure 1) was collected from approximately 60 cubic yards of stockpiled soil that was generated during the removal of the underground fuel storage tank. In addition, one composite soil sample (designated as Comp A on the attached Figure 1) was collected from approximately 20 cubic yards of stockpiled soil that was additionally generated during the overexcavation activities performed in the south sidewall of the fuel tank pit. The samples were collected to comply with local regulatory agency requirements for proper disposal of excavated soils. These soil samples were also collected in two-inch diameter, clean brass tubes, and handled as previously described. The composite soil sample (Comp A) consisted of four individual grab samples collected at various locations and at depths of about 2 feet into the stockpile. The four individual samples were subsequently composited as one sample by the lab. All sample point locations are shown on the attached Figure 1.

On August 8, 1994, approximately 350 gallons of ground water were pumped from the fuel tank pit by Erikson, Inc. One water sample,

labeled Water-F, was collected from the fuel tank pit using a clean Teflon bailer. The water sample was decanted into four clean glass VOA vials that were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory. The fuel tank pit excavation was backfilled and compacted with clean imported soil by Paradiso Mechanical of San Leandro, California. Profiling and disposal of all stockpiled soil will be coordinated by Paradiso mechanical.

SUBSURFACE CONDITIONS

The subsurface soils exposed in the excavation consisted primarily of sandy silt, except for the south sidewall of the excavation, which consisted primarily of sandy clay. Ground water was encountered in the fuel tank pit excavation at a depth of about 10.5 feet below grade.

ANALYTICAL RESULTS

All samples were analyzed by Sequoia Analytical Laboratory in Concord, California and were accompanied by properly executed Chain of Custody documentation. All soil and water samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020. All samples, except the composite sample Comp A, were also analyzed for total lead.

The results of the soil analyses are summarized in Table 1, and the results of the water analyses are summarized in Table 2. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

DISCUSSION AND RECOMMENDATIONS

The analytical results of the soil and water samples collected during the recent removal of the fuel storage tank indicate that the hydrocarbon-contaminated soil in the south sidewall (beneath the former product pump island) has been excavated. The soil sample collected from the south sidewall of the fuel tank pit, following the additional excavation, showed non-detectable concentrations of TPH as gasoline and BTEX. Furthermore, the water sample Water-F, collected from the fuel tank pit (after purging approximately 350 gallons of water) showed non-detectable concentrations of all constituents analyzed. Therefore, based upon the analytical results of all of the samples collected, and based upon visual inspection of the condition of the tank and the excavation performed at the site, KEI recommends no further work associated with the removal of the former fuel storage tank, unless required by the regulatory agencies.

DISTRIBUTION

A copy of this report should be sent to Ms. Juliet Shin of the ACHCS, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in 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 work and laboratory analyses. 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 (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Hagop Kevork
Staff Engineer

Joel G. Greger, C.E.G.
Senior Engineering Geologist

License No. EG 1633
Exp. Date 8/31/96

Robert H. Kezerian
Project Manager

\jad

Attachments: Tables 1 & 2
Location Map
Figure 1
Laboratory Analyses
Chain of Custody documentation

KEI-J94-0804.R1
September 6, 1994

TABLE 1

SUMMARY OF LABORATORY ANALYSES
SOIL

Date	Sample	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	Total Lead
8/04/94	SW1	10.0	ND	ND	ND	ND	ND	1.9
	SW2*	9.0	260	ND	ND	0.16	0.57	6.5
	SW2(3)	8.5	ND	ND	ND	ND	ND	5.5
			STOCKPILED SOIL					
	S1	2.0	1.0	ND	0.0082	0.0052	0.027	17
	S2	2.0	ND	ND	0.0053	ND	0.0020	ND
	S3	2.0	ND	ND	0.0059	ND	0.015	2.4
	Comp A*	N/A	150	ND	ND	0.11	0.35	--

* Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

ND = Non-detectable.

N/A = Not applicable.

-- Indicates analysis was not performed.

Results are in milligrams per kilogram (mg/kg), unless otherwise indicated.

KEI-J94-0804.R1
September 6, 1994

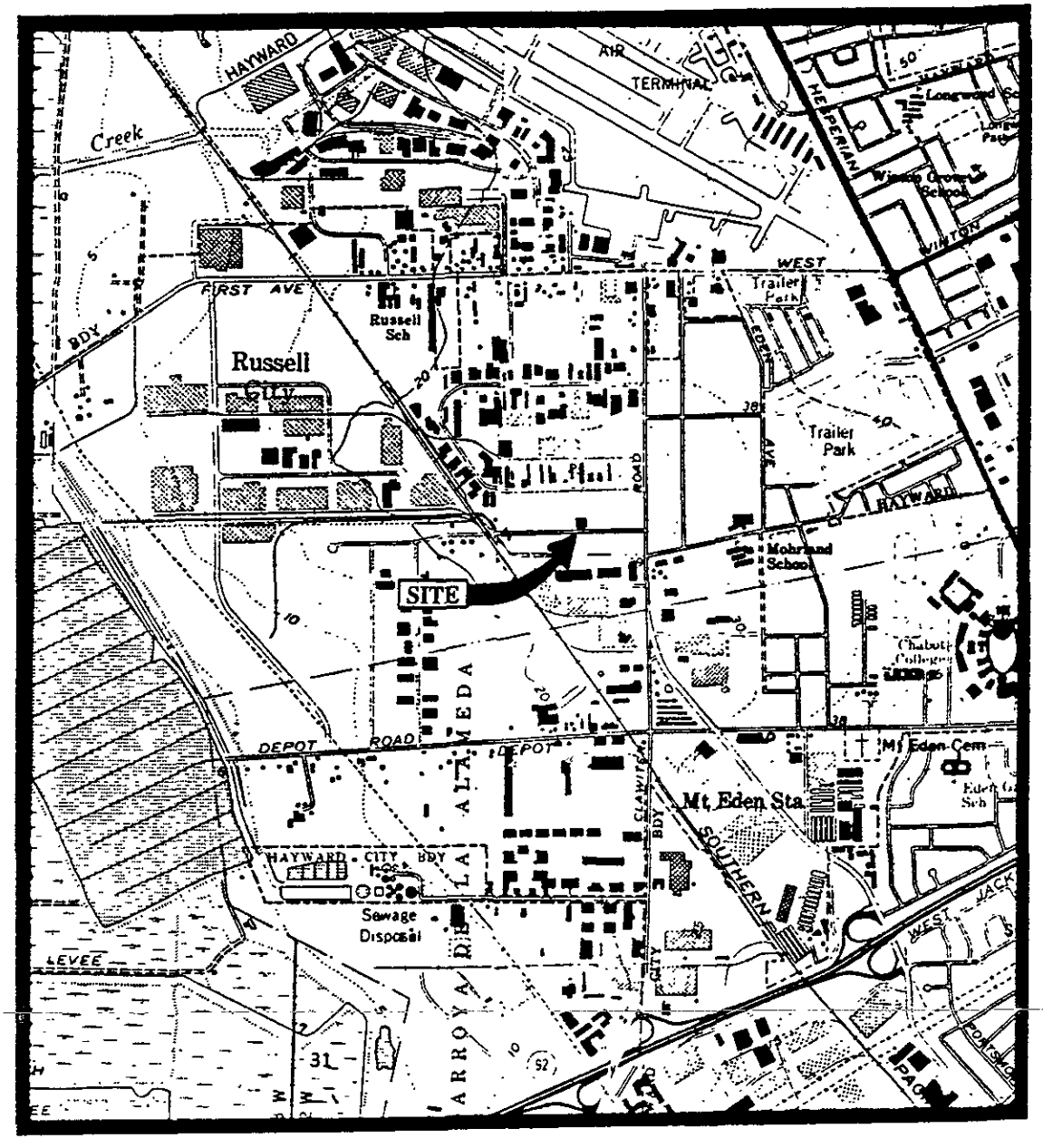
TABLE 2

SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	Total Lead (mg/L)
8/08/94	Water-F	ND	ND	ND	ND	ND	ND

ND = Non-detectable.

Results are in micrograms per liter (µg/L), unless otherwise indicated.



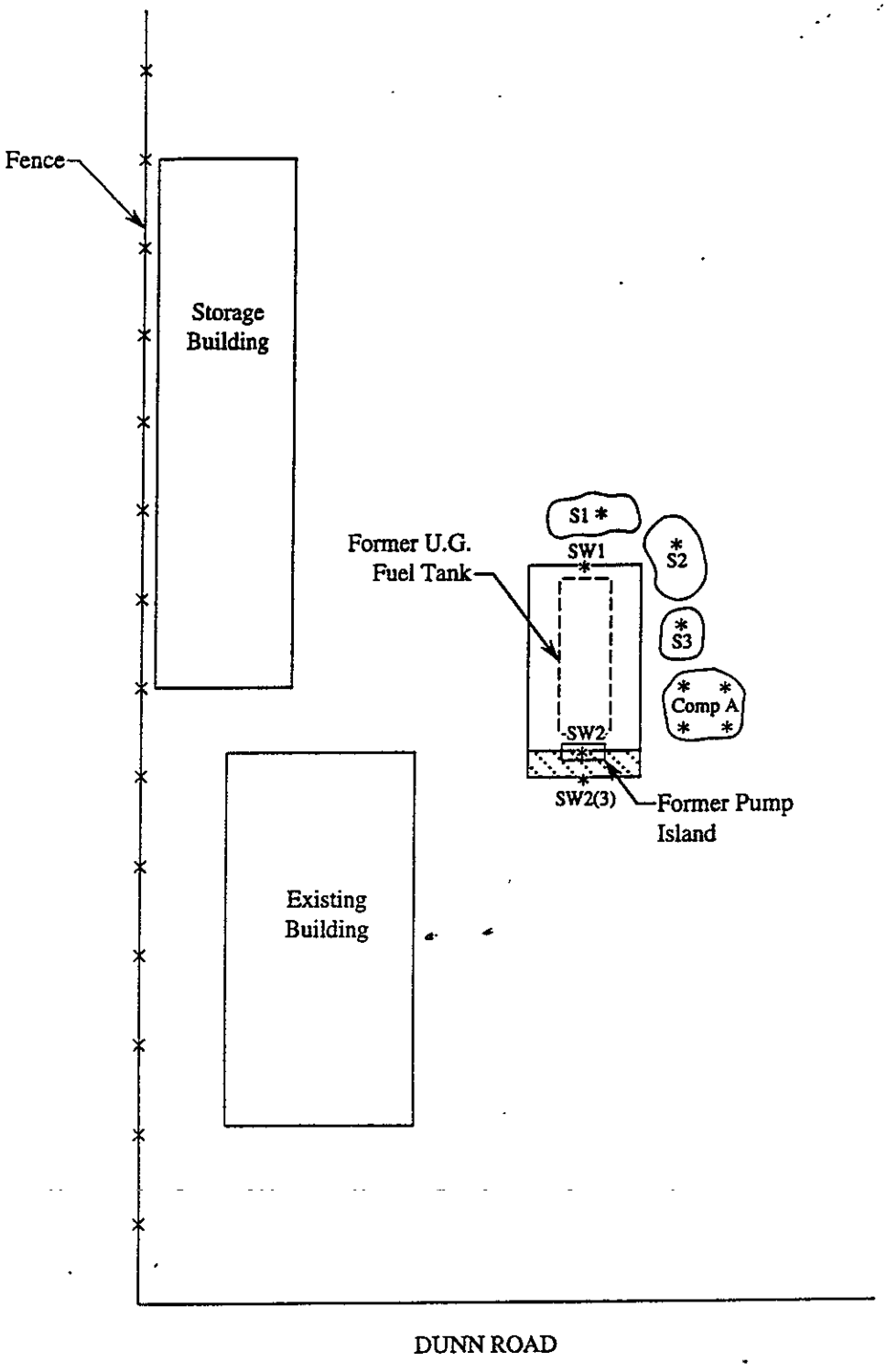
Base modified from 7.5 minute U.S.G.S.
Hayward and San Leandro Quadrangle
(both photorevised 1980)

0 2000 4000
Approx. scale feet

KAPREALIAN ENGINEERING
INCORPORATED

VINCENT ROOFING CO.
2181 DUNN ROAD
HAYWARD, CALIFORNIA

LOCATION MAP



LEGEND

* Sample point location

Stockpiled soil (not to scale)

0 20 40

Approx. scale feet

SITE PLAN

KAPREALIAN ENGINEERING INCORPORATED

VINCENT ROOFING CO.
2181 DUNN ROAD
HAYWARD, CALIFORNIA

FIGURE
1

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co., 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Aug 8, 1994
Attention: Avo Avedissian	First Sample #:	408-0283		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0283 Comp A*
Purgeable Hydrocarbons	1.0	150
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.11
Total Xylenes	0.0050	0.35
Chromatogram Pattern:		*Unidentified* Hydrocarbons >C10

Quality Control Data

Report Limit Multiplication Factor:	10
Date Analyzed:	8/6/94
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	105

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
* This sample does not appear to contain gasoline. "Unidentified Hydrocarbons >C10" refers to unidentified peaks in the total extractable petroleum hydrocarbons range.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co., 2181 Dunn Rd., Hayward
Matrix: Solid
QC Sample Group: 408-0283
Reported: Aug 8, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	J.F./A.T.	J.F./A.T.	J.F./A.T.	J.F./A.T.
MS/MSD Batch#:	4080294	4080294	4080294	4080294
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg
Matrix Spike % Recovery:	100	110	110	114
Matrix Spike Duplicate % Recovery:	98	105	108	111
Relative % Difference:	2.0	4.7	1.8	2.7
LCS Batch#:	1LCS080694	1LCS080694	1LCS080694	1LCS080694
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
LCS % Recovery:	92	98	100	101
% Recovery Control Limits:	55-145	47-149	47-155	56-140

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: Haig

WITNESSING AGENCY:

SITE NAME & ADDRESS: VINCENT ROOFING CO, 2181 DUNN RD - HAYWARD

ANALYSES REQUESTED: TPH-D; BTXE

TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-D	BTXE	REMARKS
CompA	8/4/94		✓			✓	4	STOCKPILE	✓	✓	4080283 A-D

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature) RD Kelly 8/4/94 7:50 pm

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

RD Kelly — Signature; Sample Control — Title; 8/4/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510 602-5100 Fax: 510 687-0602

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co., 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Aug 8, 1994
Attention: Avo Avedissian	First Sample #:	408-0289		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0289 SW1	Sample I.D. 408-0290 SW2*	Sample I.D. 408-0291 SW2 (3)
Purgeable Hydrocarbons	1.0	N.D.	260	N.D.
Benzene	0.0050	N.D.	N.D.	N.D.
Toluene	0.0050	N.D.	N.D.	N.D.
Ethyl Benzene	0.0050	N.D.	0.16	N.D.
Total Xylenes	0.0050	N.D.	0.57	N.D.
Chromatogram Pattern:		--	Unidentified Hydrocarbons >C10	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	20	1.0
Date Analyzed:	8/6/94	8/6/94	8/5/94
Instrument Identification:	HP-2	HP-2	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	100	94	88

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
* This sample does not appear to contain gasoline. Unidentified Hydrocarbons >C10* refers to unidentified peaks in the total extractable petroleum hydrocarbons range.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kapreallan Engineering, Inc.	Client Project ID:	Vincent Roofing Co., 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis for:	Lead	Extracted:	Aug 5, 1994
Attention: Avo Avedissian	First Sample #:	408-0289	Analyzed:	Aug 5, 1994
			Reported:	Aug 8, 1994

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
408-0289	SW1	1.0	1.9
408-0290	SW2	1.0	6.5
408-0291	SW2 (3)	1.0	5.5

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co., 2181 Dunn Rd., Hayward
Matrix: Solid
QC Sample Group: 4080289-291

Reported: Aug 8, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 6010
Analyst:	J.F./A.T.	J.F./A.T.	J.F./A.T.	J.F./A.T.	K.A.
MS/MSD Batch#:	4080294	4080294	4080294	4080294	4080294
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	Liberty 100
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	50 mg/Kg
Matrix Spike % Recovery:	100	110	110	114	95
Matrix Spike Duplicate % Recovery:	98	105	108	111	91
Relative % Difference:	2.0	4.7	1.8	2.7	4.3

LCS Batch#:	1LCS080694	1LCS080694	1LCS080694	1LCS080694	BLK080594
Date Prepared:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Date Analyzed:	8/6/94	8/6/94	8/6/94	8/6/94	8/5/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	Liberty 100
LCS % Recovery:	92	98	100	101	102
% Recovery Control Limits:	55-145	47-149	47-155	56-140	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: Haug
WITNESSING AGENCY: ACDEH
SITE NAME & ADDRESS: VINCENT ROOFING CO. 2181 DUNN RD - HAYWARD
TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	ANALYSES REQUESTED: TPH-D	BTXE	Total Pb	REMARKS
SW1	8/4/93		✓		✓		1	Fuel Tank Pit	✓	✓	✓	4080289
SW2	↓		✓		✓		1	↓	✓	✓	✓	4080290
SW2(3)	↓		✓		✓		1	↓	✓	✓	✓	4080291

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature) PB Kelley 8/4/94 7:50 pm

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

RJ Kelley — Signature; Supervising Chemist — Title; 8/4/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510 602 5100 Fax 510 687 0602

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co, 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Aug 8, 1994
Attention: Avo Avedissian	First Sample #:	408-0292		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D. 408-0292 S 1	Sample I.D. 408-0293 S 2	Sample I.D. 408-0294 S 3
Purgeable Hydrocarbons	1.0	1.0	N.D.	N.D.
Benzene	0.0050	N.D.	N.D.	N.D.
Toluene	0.0050	0.0082	0.0053	0.0059
Ethyl Benzene	0.0050	0.0052	N.D.	N.D.
Total Xylenes	0.0050	0.027	0.0020	0.015
Chromatogram Pattern:		Gasoline	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0
Date Analyzed:	8/5/94	8/5/94	8/5/94
Instrument Identification:	HP-4	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	88	89	88

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

- Kevin Graves
286-0435

4080292.KEI <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.	Client Project ID:	Vincent Roofing Co, 2181 Dunn Rd., Hayward	Sampled:	Aug 4, 1994
2401 Stanwell Dr., Ste. 400	Sample Descript:	Soil	Received:	Aug 4, 1994
Concord, CA 94520	Analysis for:	Lead	Extracted:	Aug 5, 1994
Attention: Avo Avedissian	First Sample #:	408-0292	Analyzed:	Aug 5, 1994
			Reported:	Aug 8, 1994

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
408-0292	S 1	1.0	17
408-0293	S 2	1.0	N.D.
408-0294	S 3	1.0	2.4

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

4080292.KEI <2>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co, 2181 Dunn Rd., Hayward
Matrix: Solid
QC Sample Group: 4080292-294

Reported: Aug 8, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 6010
Analyst:	JF/AT	JF/AT	JF/AT	JF/AT	K.A.
MS/MSD Batch#:	4080294	4080294	4080294	4080294	4080294
Date Prepared:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Date Analyzed:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	Liberty 100
Conc. Spiked:	0.40 mg/kg	0.40 mg/kg	0.40 mg/kg	1.2 mg/kg	50 mg/Kg
Matrix Spike % Recovery:	83	95	98	99	95
Matrix Spike Duplicate % Recovery:	83	93	95	98	91
Relative % Difference:	0.0	2.1	3.1	1.0	4.3
LCS Batch#:	2LCS080594	2LCS080594	2LCS080594	2LCS080594	BLK080594
Date Prepared:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Date Analyzed:	8/5/94	8/5/94	8/5/94	8/5/94	8/5/94
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4	Liberty 100
LCS % Recovery:	89	99	101	103	102
% Recovery Control Limits:	55-145	47-149	47-155	56-140	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: Haig
WITNESSING AGENCY:
SITE NAME & ADDRESS: VINCENT ROOFING CO. 2181 DUNN RD-HAYWARD
TURN AROUND TIME: 24 Hrs

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	ANALYSES REQUESTED: TPH-D	BTXE	Total Pb	REMARKS
S_1	8/4/93		✓		✓		1	STOCKPILE	✓	✓	✓	4080292
S_2	↓		✓		✓		1	↓	✓	✓	✓	4080293
S_3	↓		✓		✓		1	↓	✓	✓	✓	4080294

Relinquished by: (Signature) [signature]	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature) R.D. Kelley 8/4/94 1:50 p.m.	

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? N/A
4. Were samples in appropriate containers and properly packaged? Yes

R.D. Kelley — Signature; Sample Control — Title; 8/4/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510.602.5100 Fax 510.687.0602

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kapreallan Engineering, Inc.	Client Project ID:	Vincent Roofing Co, 2181 Dunn Rd, Hayward	Sampled:	Aug 8, 1994
2401 Stanwell Dr., Ste. 400	Sample Descript:	Water	Received:	Aug 8, 1994
Concord, CA 94520	Analysis for:	Lead	Extracted:	Aug 10, 1994
Attention: Avo Avedissian	First Sample #:	408-0519	Analyzed:	Aug 11, 1994
			Reported:	Aug 16, 1994

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
408-0519	Water-F	0.050	N.D.

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

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
1900 Bates Avenue, Suite L, Concord, CA 94520, (510) 686-9600, FAX (510) 686-9689
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Vincent Roofing Co, 2181 Dunn Rd, Hayward
Matrix: Liquid
QC Sample Group: 408-0519
Reported: Aug 22, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Lead
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 200.7
Analyst:	J. Fontecha	J. Fontecha	J. Fontecha	J. Fontecha	J. Dinsay
MS/MSD Batch#:	4080646	4080646	4080646	4080646	4080553
Date Prepared:	8/16/94	8/16/94	8/16/94	8/16/94	8/10/94
Date Analyzed:	8/16/94	8/16/94	8/16/94	8/16/94	8/11/94
Instrument I.D.#:	HP/5	HP/5	HP/5	HP/5	Liberty-100
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	1.0 mg/L
Matrix Spike % Recovery:	100	105	110	107	78
Matrix Spike Duplicate % Recovery:	100	105	115	112	84
Relative % Difference:	0.0	0.0	4.4	4.6	7.4
LCS Batch#:	3LCS081694	3LCS081694	3LCS081694	3LCS081694	BLK081094
Date Prepared:	8/16/94	8/16/94	8/16/94	8/16/94	8/10/94
Date Analyzed:	8/16/94	8/16/94	8/16/94	8/16/94	8/11/94
Instrument I.D.#:	HP/5	HP/5	HP/5	HP/5	Liberty-100
LCS % Recovery:	105	115	120	113	92
% Recovery Control Limits:	71-133	72-128	72-130	71-120	75-125

SEQUOIA ANALYTICAL, #1271

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: HAIG
WITNESSING AGENCY:
SITE NAME & ADDRESS: VINCENT ROOFING CO. HAYWARD, 2181 DUNN Road.

ANALYSES REQUESTED: TPH-D; BTXE; Total Lead; 4080519

TURN AROUND TIME: ONE WEEK / 5 DAYS

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	TPH-D	BTXE	Total Lead					REMARKS
Water-F	8/8/94			✓	✓		4	Fuel Tank Pit	✓	✓	✓				4080519	Water sample was collected in Four VOA's.
															1-D	

Relinquished by: (Signature) — Date/Time — Received by: (Signature)
Relinquished by: (Signature) — Date/Time — Received by: (Signature)
Relinquished by: (Signature) — Date/Time — Received by: (Signature)
Relinquished by: (Signature) — Date/Time — Received by: (Signature)
RJ Kelley 8/8/94 7:30pm

The following MUST BE completed by the laboratory accepting samples for analysis:
1. Have all samples received for analysis been stored in ice? Yes
2. Will samples remain refrigerated until analyzed? Yes
3. Did any samples received for analysis have head space? No
4. Were samples in appropriate containers and properly packaged? Yes

RJ Kelley — Signature; Sample Control — Title; 8/8/94 — Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel. 510.602.5100 Fax 510.687.0602