Raney Geotechnical

September 18, 1998

Extended Stay America, Inc.
Attention: Peter Leth
58 Mitchell Boulevard
San Rafael, CA 94903

SOIL AND GROUNDWATER SAMPLING AND ANALYSIS
PROPOSED EXTENDED STAY AMERICA PROPERTY
Approximate 2.8-Acre Site
Marina Village Parkway
Alameda, California
ESA Job No. 8621
Raney Reference No. 1404-029

INTRODUCTION

In accordance with your request, we have performed limited soil and groundwater sampling and analysis at the subject site. This letter report presents our results. Sampling locations and relevant site features are shown on the attached Plate 1, Plot Plan. Laboratory data and chain-of-custody documentation also are attached.

BACKGROUND AND PURPOSE

The subject property was initially developed for heavy industrial use more than 60 years ago by the Bethleham Ship Building Corporation. Ship building activities began in the early 1900's and continued to about 1958. Since about 1958, the property has remained generally vacant and unused. Our research indicates that the property has known petroleum hydrocarbon contamination conditions attributed to both past on-site ship building operations as well as documented off-site industrial activities. Since 1988 a number of environmental investigations have been performed for the subject site and vicinity to assess soil and groundwater contamination conditions. Chemicals detected in soils at the site include petroleum hydrocarbons characterized as weathered crude oil, total petroleum hydrocarbons as diesel (TPH-d), and motor oil/waste oil. Several inches of residual separate-phase degraded crude oil have been observed on groundwater located beneath the westerly portion of the property (Groundwater Monitoring Well LF-8).

Approximately 10,000 cubic yards of stockpiled soils are present on the westerly portion of the property. Available information suggests that the soils were generated during construction activities

and underground storage tank excavations in 1988 and 1989 on nearby Marina Village properties. Laboratory analyses of the soils by others indicate that the stockpiled materials contain TPH-d and to a lesser extent, toluene and lead.

In 1996 a *Health Risk Evaluation and Site Management Plan (HRESMP)* was developed for the subject property by Geomatrix Consultants.[1] Geomatrix concluded that the contaminant conditions remaining on the property would not pose a significant human health risk, provided that future development on the property is for commercial purposes. Geomatrix also indicated that the degraded and stable petroleum hydrocarbons in groundwater beneath the westerly portion of the property are unlikely to become mobile and migrate toward the nearby Oakland Inner Harbor.

Based on the results of investigations to date, the Alameda County Environmental Health Services (ACEHS) issued a *Remedial Action Completion Certification (RACC)* for the subject property dated February 14, 1997.[2] The RACC indicated that there is no evidence of a significant threat to human health or the environment resulting from the remaining soil and groundwater contamination at the subject site. Although free product remains on the shallow groundwater surface locally, the petroleum hydrocarbons are indicated to be highly weathered and relatively immobile. Nonetheless, the RACC indicates that it is necessary to adhere to a Site Management Plan for the property, which includes construction safety measures, buyer notification, and potential off-site disposal.

Our firm prepared a Phase I Environmental Site Assessment for the property dated August 17, 1998 to assist you in your due diligence for property acquisition.[3] Based on subsequent discussions with Ms. Robyn Neely of Akerman, Senterfitt, and Eidson we understand that you require additional data regarding current groundwater conditions and additional testing of the stockpiled soils. The purpose of the additional data is to assess whether groundwater and stockpile soil conditions have changed significantly since the previous sampling on the property.

SOIL SAMPLING

Approximately 10,000 cubic yards of stockpiled soils are present on the westerly portion of the property. We obtained three shallow soil samples (SP-A, S-B, and SP-C) at depth of one foot from the stockpile on September 9, 1998. Due to gravel and rubble within the stockpile, our hand explorations were refused at shallow depths and we were not able to obtain deeper samples at that time. On September 10, 1998, we advanced a drilled boring (B2) within the stockpile and collected soil samples at depths of two, four, and six feet within the stockpile. The soil sampling locations are shown on Plate 1.

All soil samples were collected in six-inch brass sleeves, sealed with Teflon tape and plastic end caps. The samples were immediately placed on ice, logged onto a chain-of-custody form, and transported to a State-certified analytical laboratory. The laboratory was instructed to composite and homogenize the two sets of three samples. Both of the composite soil samples were tested for total

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[1] Geomatrix; "Health Risk Evaluation and Site Management Plan for Northwest Area, Marina Village, Alameda, California"; September 1996.
[2] Alameda County, Environmental Health Services; "Remedial Action Completion Certification, Northwest Area, located at 1150 Marina Village, Alameda, CA, 94501"; February 14, 1997; SLIC 3843.
[3] Raney Geotechnical; "Phase I Environmental Site Assessment, Proposed Extended Stay America, 2.8-Acre Marina Village Property, Alameda, California"; August 17, 1998.

petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as motor oil (TPHmo), benzene, toluene, ethylbenzene and xylenes (BTEX), and lead.

GROUNDWATER SAMPLING

Groundwater samples were obtained from accessible groundwater monitoring wells (LF-6, LF-7, LF-11, LF-12, and LF-13) at the site on September 9, 1998. Monitoring well LF-9 is covered by the soil stockpile and is not accessible. Available documentation indicates that monitoring well LF-8 has historically contained free product on top of groundwater. At the time of our September 9, 1998 field activities, the upper portion of the well casing for LF-8 appeared to be damaged and a bailer for free product thickness measurement could not be inserted into the well. We inserted a small diameter metal rod into the well and determined that at least a few inches of free product (viscous black oil) was present within the well.

Prior to obtaining groundwater samples from the other monitoring wells, the groundwater level was measured at each well and each well was purged of at least five well volumes each with a clean disposable bailer. Where purge water appeared excessively turbid, additional well volumes were purged. Purge water was discharged onto the soil stockpile on the site; we understand that this method of purge water disposal has been used during the historic sampling at the site and is reasonable because the constituents previously measured in groundwater are similar to those known to be present in the stockpiled soils. During and following well purging we monitored temperature, conductivity and pH parameters of the groundwater to ensure that that the parameters of purge water had generally stabilized prior to groundwater sampling.

Following purging and recharge of the groundwater to at least 80 percent of its displaced depth, each well was sampled with a clean disposable polyethylene bailer. Groundwater samples were quickly transferred from the bailer via a precleaned disposable bottom drain assembly into 40 ml glass VOA vials and 500ml plastic bottles obtained from Kiff Analytical Laboratories. The samples were immediately placed on ice and logged onto a chain-of-custody form. A "travel blank" sample of distilled water provided by the laboratory accompanied the containers and samples at all times. A new pair of disposable nitrile gloves was worn at each well location during purging and sampling activities.

The collected groundwater samples and the "travel blank" were tested for TPHd, TPHmo, BTEX, and total lead. For the TPHd and TPHmo analyses the groundwater samples were subjected to a silica gel cleanup procedure in the laboratory in preparation of the sample extract in order to remove polar biogenic materials from the samples. However, for these analyses, the samples were not filtered with a glass filter; the laboratory indicated that the glass filtration process could remove dissolved constituents and that analysis of non-filtered samples would be the more conservative and appropriate method.

ANALYTICAL RESULTS

The results of the soil and groundwater analytical testing are summarized below in Tables I and II, respectively. The actual laboratory reports are appended.

TABLE I

SOIL ANALYTICAL RESULTS

Concentrations in milligrams per kilogram (mg/Kg)

SAMPLE DESIGNATION	DATE SAMPLED	TPH d	TPH mo	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL LEAD
SP-A, SP-B, SP-C Composite	9/9/98	<10	350	<0.0050	<0.0050	<0.0050	<0.0050	200
B2-1, B2-2, B2-3 Composite	9/10/98	<10	630	<0.0050	<0.0050	<0.0050	<0.0050	120

Notes:

1. TPHd=Total petroleum hydrocarbons as diesel.
2. TPHmo=Total petroleum hydrocarbons as motor oil.

TABLE II

GROUNDWATER ANALYTICAL RESULTS

Concentrations in micrograms per liter (ug/l)

WELL NUMBER	DATE SAMPLED	TPH d	TPH mo	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TOTAL LEAD
LF-6	9/9/98	<50	360	<0.50	<0.50	<0.50	<0.50	<5
LF-7	9/9/98	<50	<100	<0.50	<0.50	<0.50	<0.50	<5
LF-11	9/9/98	<50	120	<0.50	<0.50	<0.50	<0.50	<5
LF-12	9/9/98	<50	<100	<0.50	<0.50	<0.50	<0.50	<5
LF-13	9/9/98	<50	110	<0.50	<0.50	<0.50	<0.50	<5
TRAVEL BLANK		<50	<100	<0.50	<0.50	<0.50	<0.50	<5

Notes:

1. TPHd=Total petroleum hydrocarbons as diesel.
2. TPHmo=Total petroleum hydrocarbons as motor oil.
3. Hydrocarbons reported as TPH (mo) do not exhibit a typical motor oil hydrocarbon distribution.

As shown in the tables above, none of the soil or groundwater samples tested contained detectable concentrations of TPHd or BTEX. Three of the groundwater samples and both of the composite soil samples contained detectible concentrations TPHmo. None of the water samples contained detectable concentrations of lead, however, lead was measured in both of the composite soil samples. The "travel blank" did not contain detectable concentrations of any of the analytes tested.

In general, the analytical data summarized above are similar to past results from groundwater and soil stockpile testing on the site. TPHmo was detected in the recent groundwater sample from LF-6 although past testing did not reveal detectable concentrations of TPHmo at this well (however, the detection limits for the past testing were significantly higher than for our recent testing). Similarly, the relatively low concentrations of TPHmo recently measured at LF-11 and LF-13 are below the detection limits of the previous testing.

A relatively wide range of THPmo has been reported for the previous testing of the stockpiled soils. The recently measured THPmo concentrations in composite soil samples generally are within the lower part of this range. The lead concentrations recently detected in stockpiled soils also are within the range of previously measured concentrations.

LIMITATIONS

Our services are performed in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. Our conclusions are our opinions based upon our observations and the analytical data. No warranty regarding the accuracy of our opinions or conclusions is expressed or implied.

If you have any questions or require additional information, please contact the undersigned at (916) 371-0434.

Sincerely,

RANEY GEOTECHNICAL

Joe Brusca
Environmental Coordinator
C.E.G. No. 1948

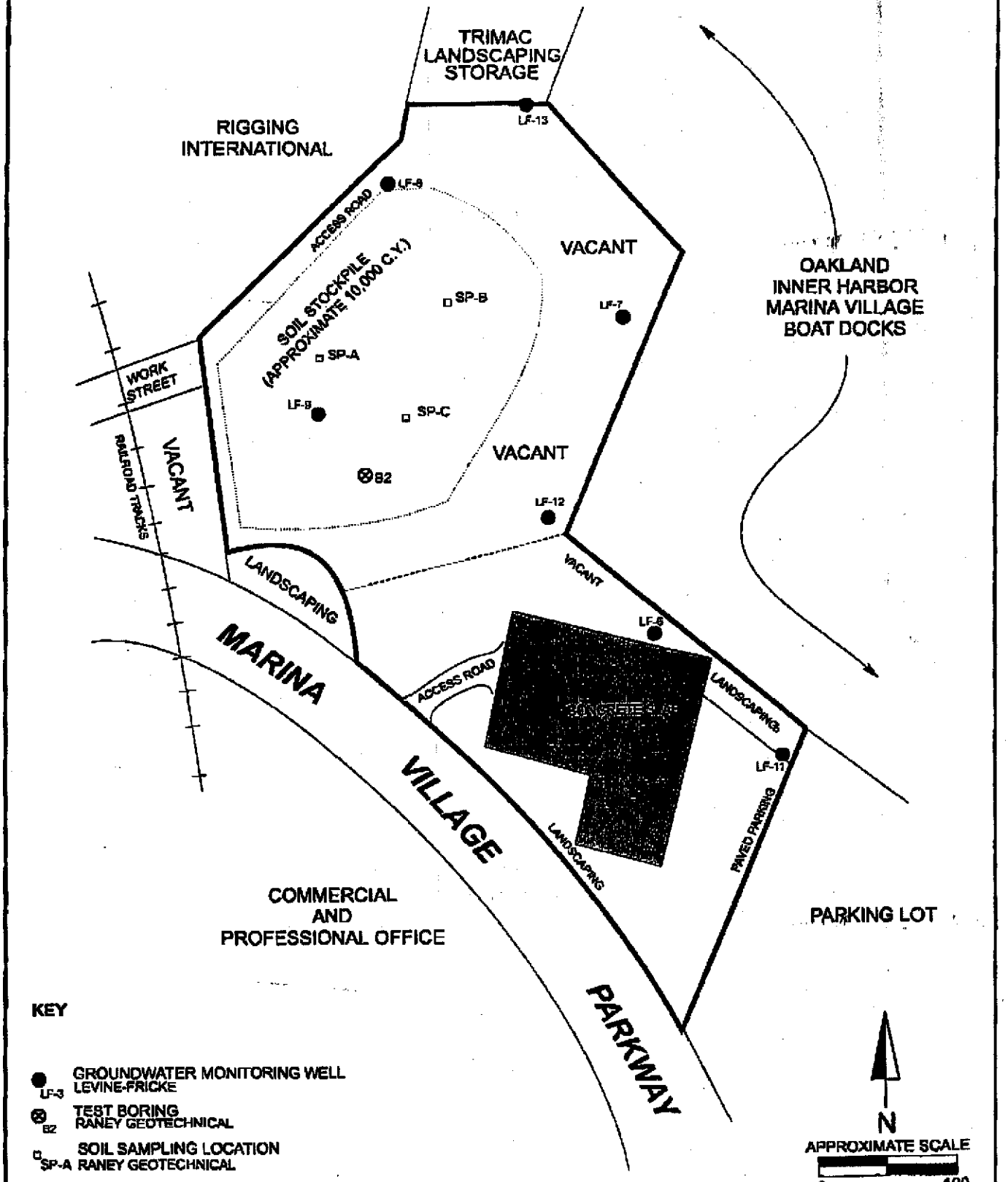
REGISTERED GEOLOGIST
JOSEPH G. BRUSCA
NO. 1948
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Attachments: Plate 1 – Plot Plan
Analytical Results and Chain of Custody Documentation

(2) addressee
(1) Robyn Neely

JB/jb

PROJECT NUMBER: 1404-02-1 DRAWN BY: DATE: 9/17/98
PLATE NUMBER: 1 CHECKED BY: JGS DATE:



NOTES:

1. Pepared from our field notes, and a July 1996 Geomatrix Soil Sampling Map.
2. All feature dimensions and locations are approximate only.

PLOT PLAN

Raney Geotechnical

PLATE 1

KIFF ANALYTICAL LLC

Report Number : 12233
Date : 09/14/98

Joe Brusca
Raney Geotechnical
3140 Beacon Blvd., Suite 100
West Sacramento, CA 95691

Subject : 6 Water Samples and 1 Soil Sample
Project Name : Marina Village
Project Number : 1404-029

Dear Mr. Brusca,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 12233
Date : 09/14/98

Subject : 6 Water Samples and 1 Soil Sample
Project Name : Marina Village
Project Number : 1404-029

Case Narrative

Hydrocarbons reported as 'TPH as Motor Oil' do not exhibit a typical motor oil hydrocarbon distribution.

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 12233
Date : 09/14/98

Project Name : **Marina Village**
Project Number : **1404-029**

Sample : **LF-11** Matrix : Water
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/10/98
TPH as Motor Oil	**120**	100	ug/L	M EPA 8015	09/10/98
aaa-Trifluorotoluene (8020 Surrogate)	103		% Recovery	EPA 8020	09/11/98

Sample : **LF-6** Matrix : Water
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/10/98
TPH as Motor Oil	**360**	100	ug/L	M EPA 8015	09/10/98
aaa-Trifluorotoluene (8020 Surrogate)	104		% Recovery	EPA 8020	09/11/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 12233
Date : 09/14/98

Project Name : **Marina Village**
Project Number : **1404-029**

Sample : **LF-12** Matrix : Water
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	09/11/98
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/10/98
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	09/10/98
aaa-Trifluorotoluene (8020 Surrogate)	104		% Recovery	EPA 8020	09/11/98

Sample : **LF-7** Matrix : Water
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/10/98
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	09/10/98
aaa-Trifluorotoluene (8020 Surrogate)	104		% Recovery	EPA 8020	09/12/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 12233
Date : 09/14/98

Project Name : **Marina Village**
Project Number : **1404-029**

Sample : LF-13 Matrix : Water
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/10/98
TPH as Motor Oil	**110**	100	ug/L	M EPA 8015	09/10/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	09/12/98

Sample : SP-1 A,B,C Matrix : Soil
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/14/98
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/14/98
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/14/98
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/14/98
Methyl-t-butyl ether	**< 0.050**	0.050	mg/Kg	EPA 8020	09/14/98
TPH as Diesel	**< 10**	10	mg/Kg	M EPA 8015	09/11/98
TPH as Motor Oil	**350**	100	mg/Kg	M EPA 8015	09/11/98
aaa-Trifluorotoluene (8020 Surrogate)	104		% Recovery	EPA 8020	09/14/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 12233
Date : 09/14/98

Project Name : **Marina Village**
Project Number : **1404-029**

Sample : **Travel Blank** Matrix : Water
Sample Date :09/09/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Toluene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8020	09/12/98
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	09/10/98
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	09/10/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	09/12/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
(707) 468-0401

CHEMICAL EXAMINATION REPORT

Kiff Analytical
720 Olive Drive
Suite D
Davis, CA 95616
Attn: Joel Kiff

Date Printed: 9/14/98
Page: 1

Batch Number	Receipt Date	Client	Client P.O.	Send Via
98-0910-008	09/10/98 15:30	KIFFLAB	12233	Mail

Batch 98-0910-008 consisted of 6 Samples and 6 Tests

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
Sample 1 LF-11							
Marina Village # 1404-029							
Sample Type: Water Sampled by: Client			Sampled: 9/09/98				
Lead, dissolved	200.9		9/12/98	ND	mg/l	.005	
Sample 2 LF-6							
Marina Village # 1404-029							
Sample Type: Water Sampled by: Client			Sampled: 9/09/98				
Lead, dissolved	200.9		9/12/98	ND	mg/l	.005	
Sample 3 LF-12							
Marina Village # 1404-029							
Sample Type: Water Sampled by: Client			Sampled: 9/09/98				
Lead, dissolved	200.9		9/12/98	ND	mg/l	.005	
Sample 4 LF-7							
Marina Village # 1404-029							
Sample Type: Water Sampled by: Client			Sampled: 9/09/98				
Lead, dissolved	200.9		9/12/98	ND	mg/l	.005	

PQL - Practical Quantitation Limit ND - None Detected
* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Date Printed: 9/14/98

Alpha Analytical Laboratories Inc. • 860 Waugh Lane, H-1, Ukiah, California 95482
(707) 468-0401

CHEMICAL EXAMINATION REPORT

Kiff Analytical
720 Olive Drive
Suite D
Davis, CA 95616
Attn: Joel Kiff

Date Printed: 9/14/98

Batch Number	Receipt Date	Client	Client P.O.	Send Via
98-0910-008	09/10/98 15:30	KIFFLAB	12233	Mail

(continued from previous page)

	METHOD	EXTRACTED	TEST DATE	RESULT	UNITS	PQL	DILUTION
Sample 5 LF-13 Marina Village # 1404-029 Sample Type: Water Sampled by: Client Sampled: 9/09/98							
Lead, dissolved	200.9		9/12/98	ND	mg/l	.005	
Sample 6 SP-1 A,B,C Marina Village # 1404-029 Sample Type: Soil Sampled by: Client Sampled: 9/09/98							
Lead	6010		9/11/98	200	mg/kg	5	

PQL - Practical Quantitation Limit ND - None Detected
* - Indicates Detection Limit altered due to Sample Dilution

NOTES:

Bruce L. Gove
Laboratory Director

Date Printed: 9/14/98

12233

9/14

KIFF ANALYTICAL SUBCONTRACT FORM

Please mail results to :

JOEL KIFF
KIFF ANALYTICAL
720 OLIVE DRIVE, SUITE D
DAVIS, CA 95616

Please fax to :

530-297-4803

Subcontract Lab: **Alpha Analytical**
860 Waugh Lane, H-1
Ukiah, CA 95482

707-468-0401

Account No. : KIFFLAB

PROJECT NAME : Marina Village
PROJECT NUMBER: 1404-029

Sample	Matrix	Sampled	Tests		Due
LF-11	WA	09/09/98	Lead by GFAA	* 98-0910-8-1	09/14/98
LF-6	WA	09/09/98	Lead by GFAA	* -2	09/14/98
LF-12	WA	09/09/98	Lead by GFAA	* -3	09/14/98
LF-7	WA	09/09/98	Lead by GFAA	* -4	09/14/98
LF-13	WA	09/09/98	Lead by GFAA	* -5	09/14/98
SP-1 A,B,C	SO	09/09/98	Lead - ICAP	-6	09/14/98
~~Travel Blank~~	WA	09/09/98	~~Lead by GFAA~~	~~*~~	09/14/98

not included
JLK 9/10/98

* Filter immediately & report as Dissolved Pb

1-L plastic (water samples)

Relinquished by : [signature] Date/Time: 9-10-98 12:00 Received by: RO Penfield

Relinquished by : RO Penfield Date/Time: 9-10-98 15:10 Received by: [signature]

Relinquished by : Date/Time: Received by:

KIFF ANALYTICAL LLC

Report Number : 12256
Date : 09/15/98

Joe Brusca
Raney Geotechnical
3140 Beacon Blvd., Suite 100
West Sacramento, CA 95691

Subject : 1 Soil Sample
Project Name : Marina Village
Project Number : 1404-029

Dear Mr. Brusca,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 12256
Date : 09/15/98

Project Name : **Marina Village**
Project Number : **1404-029**

Sample : **B2-1I,B2-2I,B2-3I** Matrix : Soil
Sample Date :09/10/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/15/98
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/15/98
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/15/98
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8020	09/15/98
Methyl-t-butyl ether	**< 0.020**	0.020	mg/Kg	EPA 8020	09/15/98
TPH as Diesel	**< 10**	10	mg/Kg	M EPA 8015	09/15/98
TPH as Motor Oil	**630**	10	mg/Kg	M EPA 8015	09/15/98
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	09/15/98
1-Chlorooctadecane (Diesel Surrogate)	114		% Recovery	M EPA 8015	09/15/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Entech Analytical Labs, Inc.

CA ELAP# 2224

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Kiff Analytical
720 Olive Drive, Suite D
Davis, CA 95616
Attn: Joel Kiff

Date: 9/16/98
Date Received: 9/16/98
Project: Marina Village
PO #: 12256
Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	B2-1I,B2-2I,B2-3I										
Sample Date	9/10/98										
Sample Time											
Lab #	E16724										
	Result	DF	DLR							PQL	Method
Extraction	TTLC										3050
Analysis Date	9/16/98										
Lead	120	1.0	5							5	6010

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

- Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2224)

Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 916.297.4800
Fax: 916.297.4808

Chain-of-Custody Record and Analysis Request

Project Manager: Joe Brusca	Phone No.: (916) 371-0434
Company/Address: Ramey Geotechnical 3140 Bonn Bl. W. Sacramento, CA	FAX No.:
Project Number: 1404-029	P.O. No.:
Project Name: Marina Village	
Project Location: Marina Village	Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container (Type/Amount) VOA	SLEEVE	1L GLASS	500 ml	Method Preserved HCl	HNO_3	ICE	NONE	Matrix WATER	SOIL	Analysis Request BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	EPA8010	EPA 8080 - Pesticides	EPA 8080 - PCBs	EPA 8240	EPA 8270	CAM - 17 Metals	W.E.T. (X) TOTAL (X) Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	TAT 12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	For Lab Use Only
LF-11	9/8/98	11:50	5			1	X		X		X		X		X	X							X			3-day TAT
LF-6		12:45	5			1	X		X		X		X		X	X							X			Silica Gel
LF-12		1:25	5			1	X		X		X		X		X	X							X			Cleanup &
LF-7		2:00	5			1	X		X		X		X		X	X							X			Glass Filter
LF-13		2:45	5			1	X		X		X		X		X	X							X			
SP-1A, SP-1B, SP-1C				3					X			X	X		X	X							X			Composite & Homogenize
TRAVEL BLANK			3				X				X		X		X	X							X			1 Type on VE yptah.r

Relinquished by:	Date	Time	Received by:	Remarks: Filter Pb Samples on Samples
Relinquished by:	Date	Time	Received by:	Email address: ☐ .doc ☐ .xls ☐ .txt ☐ other
Relinquished by:	Date 9/9/98	Time 18:25	Received by Laboratory:	Bill to:

Distribution: White - Lab, Yellow - File, Pink - Originator

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616

Lab: 916.297.4800
Fax: 916.297.4808

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Chain-of-Custody Record and Analysis Reques

Project Manager: JOE BRUSCA	Phone No.: (916) 371-0434
Company/Address: 3140 BEACON BLVD. ROMEY GEOTECHNICAL W. SAC., CA	FAX No.: (916) 371-1809
Project Number: 1404-02G / P.O. No.:	Project Name: MARINA VILLAGE
Project Location: ALAMEDA, CA	Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container (Type/Amount) VOA	SLEEVE	1L GLASS	500 ml	Method Preserved HCl	HNO_3	ICE	NONE	Matrix WATER	SOIL	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	EPA8010	EPA 8080 - Pesticides	EPA 8080 - PCBs	EPA 8240	EPA 8270	CAM - 17 Metals	Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	TAT 12 hr/24 hr/48 hr/72 hr/1 wk/2 wk
B2-1 (7'), B2-2 (4') and B7-3 (6')	9/10/98			3					X			S	X		X	X							X		4 WKS

PLEASE COMPOSITE AND HOMOGENIZE THE 3 SOIL SAMPLES

WET (X) / TOTAL (X)

Relinquished by:	Date 9/11/98	Time 1:30PM	Received by:
Relinquished by:	Date 9/11/98	Time 2:30PM	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks: Results Tuesday pm.

Email address:

☐ .doc ☐ .xls ☐ .txt ☐ other

Bill to:

Distribution: White - Lab, Yellow - File, Pink - Originator

10/30/98 FRI 15:13 FAX 415 434 1365 GEOMATRIX SF