

12/30/99

Rick Wilson
Rick Wilson Consulting
43555 Grimmer Blvd, #M1106
Fremont, CA 94538

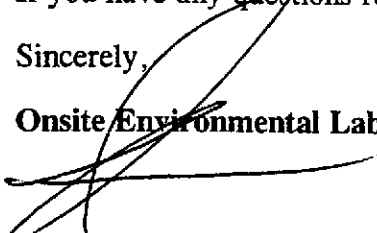
Dear Rick:

Attached are the final analytical reports for the samples collected on December 7, 1999 and submitted to Onsite Environmental Laboratories. These samples were analyzed for TRPH, TPHgas/BTEX, and TPHd. A copy of the completed chain of custody record is also enclosed.

If you have any questions regarding these reports please contact us at (510) 490-8571.

Sincerely,

Onsite Environmental Laboratories, Inc.


Peter C. Balas
Principal



PROFESSIONAL CERTIFICATION

This report has been prepared by



Richard A. Wilson, P.E.

Registered Civil Engineer N. C37408, Expiration June 30, 2000

STATEMENT OF LIMITATIONS

The services described in this report were performed in a manner consistent with TEA's agreement with the client and in accordance with generally accepted professional consulting principles and practices.

Opinions and recommendations contained in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames, and project parameters indicated. TEA cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

Any use of this report by a third party is expressly prohibited without a written, specific authorization from the client and TEA. Such authorization will require a signed waiver and release agreement.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

FEB 1 8 2000

Environmental Services

**PRELIMINARY SUBSURFACE
INVESTIGATION REPORT**

**LIVERMORE HONDA DEALERSHIP
USED CAR LOT**

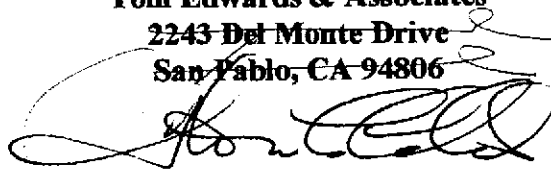
3884 3800 First Street
Livermore, CA 94550

Prepared for:

**First Republic Bank
III Pine Street
San Francisco, CA 94111**

Prepared by:

**Tom Edwards & Associates
2243 Del Monte Drive
San Pablo, CA 94806**



✓ 10055 DODD RD,
SAN PABLO, CA

December 1999

TABLE OF CONTENTS

1.0 INTRODUCTION 1
 1.1 SCOPE OF WORK 1
 1.2 SITE LOCATION 1
 1.3 SITE HISTORY 1
2.0 SITE DESCRIPTION 2
 2.1 TOPOGRAPHY AND SURFACE WATERS 2
 2.2 REGIONAL GEOLOGIC AND HYDROGEOLOGIC SETTING 2
 2.3 SITE-SPECIFIC GEOLOGIC AND HYDROGEOLOGIC SETTING 2
 2.4 PREVIOUS SITE INVESTIGATIONS 3
3.0 SITE INVESTIGATION 3
 3.1 UNDERGROUND UTILITY AND GEOPHYSICAL SURVEYS 3
 3.2 SOIL SAMPLING AND SCREENING 3
 3.3 ANALYTICAL RESULTS OF SOIL SAMPLES 4
4.0 SUMMARY AND CONCLUSIONS 4
5.0 RECOMMENDATIONS 5

Figure 1 Project Location Map
Figure 2 Soil Boring Locations
Table 1 Summary of the Analytical Results
Appendix A Soil Boring Logs
Appendix B Analytical Laboratory Reports

1.0 INTRODUCTION

First Republic Bank has retained Tom Edwards and Associates, Inc. to conduct a Preliminary Subsurface Investigation of the used car lot of the Livermore Honda located at 3800/3884 First Street in Livermore, California. The purpose of the investigation is to determine if the soil beneath the used car lot (Site) has been impacted with petroleum hydrocarbons from past site operations and activities.

1.1 Scope of Work

In summary the scope of work performed during the Preliminary Subsurface Investigation included:

- Underground Utility and Geophysical Surveys.
- Drilling six soil borings and collecting soil samples.
- Analyzing the soil samples for petroleum hydrocarbons.
- Identifying site soil types and geology.
- Defining the extent of soil contamination at the site.

1.2 Site Location

The subject site is a triangular shape lot located at the corner of First Street and Portola Avenue in Livermore, California with Alameda County Assessor Parcel Number 099-0056-001-15. Site location is shown on Figure 1.

1.3 Site History

Based on information obtained from the *Golder Associates, Inc. Preliminary Environmental Site Assessment Report, October 8, 1998*, since 1940 the site was used by the following owners and tenants:

1940-45	Coast Manufacturing and Supply Co.
1945-69	Hexcel Corp. and Coast Land Manufacturing Co.
1969-75	Standard Oil Service Station
1979-92	Dunn Chevrolet Dealership
1992- present	Livermore Honda Dealership

The Golder report stated "the status of Standard Oil service station closure (removal of possible USTs, associated piping, hoists, etc.) prior to the occupancy of the Chevrolet dealership is unknown".

2.0 SITE DESCRIPTION

2.1 Topography and Surface Waters

The topography in the immediate vicinity of the site is relatively flat, with a gradual slope towards the southeast. The approximate elevation of the site is 520 feet above mean sea level. There are no surface water bodies within a one-mile radius of the property.

2.2 Regional Geologic and Hydrogeologic Setting

According to the information obtained from the *Zone 7 Water Agency Preliminary Geologic Map of the Livermore Valley, 1998*, the subsurface soils in the vicinity of the property consist of unconsolidated continental deposits of Pleistocene age. The *Zone 7 Water Agency Groundwater Contour map of Fall 1996* indicates that the regional groundwater flow direction within the Livermore Valley is towards the northwest.

2.3 Site-specific Geologic and Hydrogeologic Setting

Six soil borings were drilled at the site during this Preliminary Subsurface Investigation to determine if the soil beneath the site has been impacted with petroleum hydrocarbons from past site operations. The borings were drilled using a Geoprobe 5400 Direct Push Technology drilling rig. Boring locations were selected based on the results of surface geophysical surveys performed at the site as part of this investigation. Four borings were drilled on the top of the suspected underground storage tanks (USTs) and one on the top of a 20-foot long piping run. No USTs and piping were encountered in the borings. Soil boring locations are shown on Figure 2.

All six borings were drilled to a depth of 20 feet below ground surface. Soils were described according to the procedures outlined in the Unified Soil Classification System (ASTM D-2487). Boring logs are presented in Appendix A. The investigation revealed that the site is underlain by inter-bedded clayey, silty and sandy gravel to a depth of 7 feet, and clay, silt and silty clay from 7 to 20 feet below ground surface. A site investigation report titled "*Preliminary Soil and Groundwater Assessment in the Vicinity of Former USTs, Livermore Honda Dealership, STE in 1993*" indicates that groundwater beneath the site is approximately 60 feet deep and flows towards the southwest.

2.4 Previous Site Investigations

Soil Tech Engineering, Inc. conducted soil and groundwater assessments in Parcel No --- (the larger parcel of land currently occupied by the Honda dealership) in connection with the removal of three USTs from that parcel. The results of soil and groundwater assessments are summarized in *Golder Associates, Inc. Preliminary Environmental Site Assessment Report, October 8, 1998*. In summary, the contaminated soils were removed by over-excavation of the UST pits and four soil borings were drilled around the former USTs. Three of the borings were converted to groundwater monitoring wells. No TPH was detected in the soil samples collected from the borings. The monitoring wells were sampled quarterly for one year. No TPH was detected in the groundwater samples.

3.0 SITE INVESTIGATION

This section describes the results of geophysical and geologic investigations conducted at the subject site.

3.1 Underground Utility and Geophysical Surveys

Underground Service Alert (USA) performed underground utility surveys around the perimeter of the site to locate water, natural gas, power, sewer and telephone lines. No utility lines were located by USA. On site surface geophysical surveys were performed to locate potential USTs, hoists and associated piping beneath the site. The site was first surveyed using a Fisher model FX-3 differential induction magnetometer for ferrous objects. The survey located several underground ferrous objects such as piping and potential USTs. A second survey was performed using a White model TM-808 M-scope (metal detector). The M-scope detects ferrous and non-ferrous metallic objects. In addition, the M-scope detects underground voids or cavities, changes in conductivity of soil which could be due to presence of different soil types, loosely compacted fill, UST graves and potentially contaminated pockets of soil. All detected anomalies were marked on the pavement with orange color spray paint. For the most parts, the metal detector survey results matched the magnetometer survey results. The geophysical surveys detected six possible USTs or UST graves and associated piping at the site.

3.2 Soil Sampling and Screening

Boring locations were selected based on the results of the surface geophysical survey. Four borings were drilled on the top of the suspected underground storage tanks (USTs) and one on the top of a 20-foot long piping run. No USTs and piping were encountered

in the borings. For all six borings, continuous soil samples were collected in 4-foot long, 1.5-inch diameter clear acrylic liners. The liner was placed inside a 2-inch diameter steel drive sampler and was pushed down into the soil with hydraulic blows of Geoprobe 5400 drill rig. The liner was then removed from the sampler and the soil type, color, odor, moisture and consistency were described. Six-inch long sections were cut from the 4-foot long liner at specified depth intervals, labeled and packaged as samples for chemical analysis. Soil samples were collected at 5, 10, 15 and 20 feet depth intervals in borings B-1 through B-6. Soil samples from 2 to 15 feet below grade in boring No. 2 had noticeable petroleum odor. These samples were screened in the field for organic compounds using a PID. The PID readings were noted on the boring log.

3.3 Analytical Results of Soil Samples

The soil samples were delivered to Onsite Analytical Laboratory, a State-certified laboratory and analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA test method 418.1. Due to strong petroleum odors in Boring 2, the samples collected from the boring were also analyzed for total petroleum hydrocarbons (TPH) as gasoline, benzene, toluene, ethyl benzene and xylenes (BTEX), TPH as diesel and TPH as motor oil. The analytical results are summarized in Table 1. The laboratory analytical data sheets are presented in Appendix B. TRPH concentrations ranged from non-detect to 40,000 milligrams per kilogram (mg/kg). In general, the concentrations decreased with depth and became non-detect to very low at 15 and 20 feet below grade (fbg).

4.0 SUMMARY AND CONCLUSIONS

The results of this Preliminary Subsurface Investigation indicate that soil beneath the western portion of the site (in and around Borings No. 1, 2 and 3) is impacted with various levels of petroleum hydrocarbons. Table 2 is a summary of TRPH impacted intervals and TRPH levels found in each soil boring:

Table 2

Boring No.	TRPH Impacted Intervals and TRPH Levels
B-1	2-6' moderate, 18-20' very low
B-2	2-13' very high, 13-20' very low
B-3	8-12' high, 12-20' very low
B-4	2-7' low, 7-20' very low
B-5	3-7' very low
B-6	3-7' very low

The concentration of TRPH in soil samples collected from Boring No. 2 was the highest. These high TRPH levels have changed the soil color in Boring No. 2 from yellowish brown to greenish gray and olive gray from 2 to 15 feet below grade.

Based on analytical results of the samples and the geologic conditions of the site, petroleum hydrocarbons are confined within the upper 15 feet of the soil strata. In addition, due to presence of thick layers of clay, it is highly unlikely for the petroleum hydrocarbons to leach out of the soil and reach the groundwater, which is approximately 60 feet deep.

5.0 RECOMMENDATIONS

Due to limited number of soil borings drilled at this site, it is not possible to determine if the subsurface soil in the unexplored areas of the used car lot has been impacted with petroleum hydrocarbons. We recommend drilling four additional soil borings in the unexplored areas of the site and around Borings No. 2 and 3 to better define the lateral and vertical extent of soil contamination. The depths of the new borings are not required to exceed 16-feet and soil samples are recommend to be collected from 4, 8, 12 and 16 feet below grade.

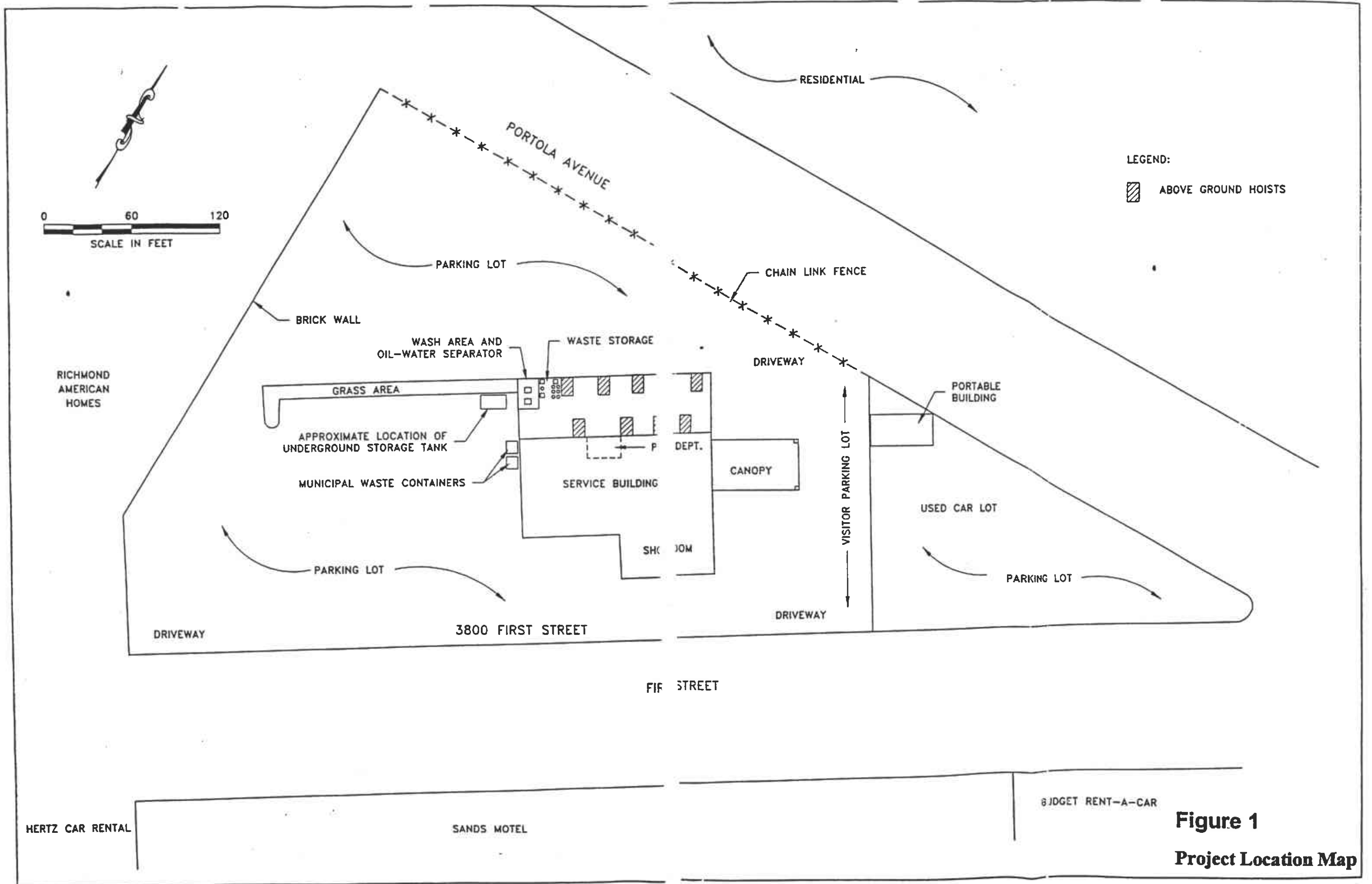
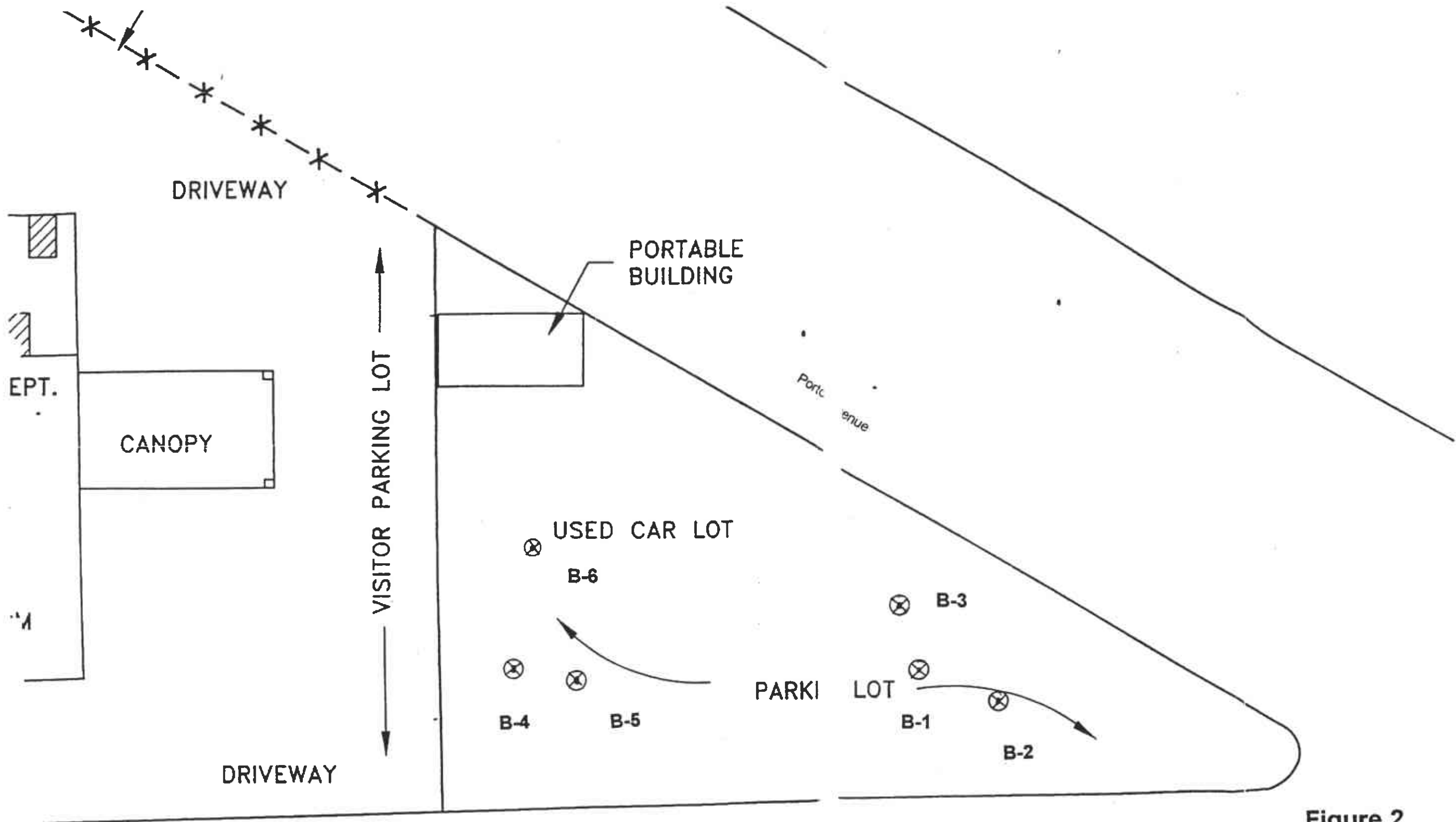


Figure 1
Project Location Map



First Street

Scale: 1" = 30'

Legend:
 ⊗ Soil Borings
 (B-1, etc.)

Figure 2
Livermore Honda
Preliminary
Site Investigation
Soil Boring Locations

Table 1
Concentrations of Petroleum Hydrocarbons in Soil Samples *
(Concentrations are in milligrams per kilogram)

Sample No.	TRPH	TPH Diesel	TPH Motor Oil	TPH Gasoline	B/T/E/X
B-1-5'	1,000				
B-1-10'	13				
B-1-15'	ND				
B-1-20'	31				
B-2-5'	40,000	200	39,000	220	0.03/0.62/1.2/6.8
B-2-10'	10,000	630	14,000	280	ND/ND/0.01/0.054
B-2-15'	18	ND	ND	ND	ND/ND/ND/ND
B-2-20'	11				
B-3-5'	ND				
B-3-10'	8,500				
B-3-15'	11				
B-3-20'	14				
B-4-5'	160				
B-4-10'	15				
B-4-15'	ND				
B-4-20'	21				
B-5-5'	12				
B-5-10'	20				
B-5-15'	ND				
B-5-20'	ND				
B-6-5'	20				
B-6-10'	ND				
B-6-15'	ND				
B-6-20'	ND				

* Blank cells indicate the samples were not analyzed for the compound.

ND- Not Detected

BTEX- Benzene, Toluene, Ethyl benzene and Xylenes

TRPH- Total Recoverable Petroleum Hydrocarbons

TPH- Total Petroleum Hydrocarbons as Diesel, Gasoline or Motor Oil

Appendix A
Soil Boring Logs

TEST BORING LOG

BOREHOLE NO.: B-1
WELL NO.

Page 1 of 1

PROJECT NAME: Livermore Honda	PROJECT NUMBER: 42299
CLIENT: First Republic Bank	DRILLING CONTRACTOR: Fast Tek
DRILL RIG: Geoprobe 5400	BOREHOLE DIAMETER: 2-inch
SAMPLING METHOD: Direct push, continuous core sampling	DEPTH TO WATER: NA
START DATE: 12/7/99	COMPLETION DATE: 12/7/99
TOTAL DEPTH: 20 Feet	
LOGGED BY: Max Shahbazian, R.G.	APPROVED BY:
LOCATION: 3800 First St., Livermore, CA	SURFACE ELEVATION: NA

SOIL CLASS GRAPHIC LOG	DESCRIPTION	DEPTH	MODE	RECOVERY	BLOW COUNT RQD	SAMPLE NO.	PID READING (ppm)	REMARKS
SP/GM	0'-6' Surface asphalt, Fill; silty, gravelly, sand, grayish brown to orange brown, dry to damp,	0 1 2 3 4 5				B1-5		Sample recovery varied between 90 and 100%
CL	6'-12' Clay; dark yellowish brown (10 YR 6/6) , damp, stiff	6 7 8 9 10				B1-10		Samples did not have chemical or petroleum odors
ML	12'-20' Silt; dark yellowish brown, sandy damp, with dark yellowish brown clay lenses	11 12 13 14 15 16 17 18 19 20				B1-15 B1-20		
		21 22 23 24 25						

TEST BORING LOG

BOREHOLE NO.: B-4

WELL NO.

Page 1 of 1

PROJECT NAME: Livermore Honda	PROJECT NUMBER: 42299	
CLIENT: First Republic Bank	DRILLING CONTRACTOR: Fast Tek	
DRILL RIG: Geoprobe 5400	BOREHOLE DIAMETER: 2-inch	
SAMPLING METHOD: Direct push, continuous core sampling	DEPTH TO WATER: NA	
START DATE: 12/7/99	COMPLETION DATE: 12/7/99	TOTAL DEPTH: 20 Feet
LOGGED BY: Max Shahbazian, R.G.	APPROVED BY: 	
LOCATION: 3800 First St., Livermore, CA	SURFACE ELEVATION: NA	

SOIL CLASS/ GRAPHIC LOG	DESCRIPTION	DEPTH	MODE	RECOVERY	BLOW COUNT Rgd	SAMPLE NO.	PID READING (ppm)	REMARKS
SP/GM	0'-7' Surface asphalt, Fill; silty, gravelly, sand, grayish brown to orange brown, dry	5				B4-5		Sample recovery varied between 90 and 100% Samples did not have chemical or petroleum odors
CL	7'-20' Clay; dark yellowish orange (10 YR 6/6), damp, stiff; becomes harder with depth	10				B4-10		
		15				B4-15		
		20				B4-20		
		25						

TEST BORING LOG

BOREHOLE NO.: B-5
WELL NO.

Page 1 of 1

PROJECT NAME: Livermore Honda	PROJECT NUMBER: 42299
CLIENT: First Republic Bank	DRILLING CONTRACTOR: Fast Tek
DRILL RIG: Geoprobe 5400	BOREHOLE DIAMETER: 2-inch
SAMPLING METHOD: Direct push, continuous core sampling	DEPTH TO WATER: NA
START DATE: 12/7/99	COMPLETION DATE: 12/7/99
TOTAL DEPTH: 20 Feet	
LOGGED BY: Max Shahbazian, R.G.	APPROVED BY:
LOCATION: 3800 First St., Livermore, CA	SURFACE ELEVATION: NA

SOIL CLASS/ GRAPHIC LOG	DESCRIPTION	DEPTH	MODE	RECOVERY	BLOW COUNT RQD	SAMPLE NO.	PID READING (ppm)	REMARKS
SP/GM	0'-4' Surface asphalt, Fill; silt, sand and gravel, reddish brown, dry to damp	0						Sample recovery varied between 90 and 100% Samples did not have chemical or petroleum odors
GC	4'-7' Clayey gravels, reddish brown, stiff, damp	5				B5-5		
CL	7'-12' Clay; moderate yellowish brown (10YR 5/4), damp, stiff	10				B5-10		
CL	12'-20' Clay; dark yellowish orange (10YR 6/6), damp, silty, stiff to hard	15				B5-15		
		20				B5-20		
		25						

Appendix B

Analytical Laboratory Reports

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572



Project Manager:	Mark [unclear]
Client Name:	[unclear]
Address:	
City, State ZIP:	
Phone:	
Fax:	

Bill to:	WATERBURY
Company:	WATERBURY
Address:	2243 166th Ave
City, State ZIP:	San Bruno CA 94066
Phone:	570-724-3127
Fax:	570-724-3127

Date:	12/11/97
Page:	2 of 3
Laboratory:	
Lab Number:	

Project Name:	LINE 2000
Project Number:	100007

P.O. No.:	
-----------	--

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	No. Containers	Remarks
1	12/11/97		oil	[unclear]								
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Initials:	Printed Name:	Signature:	Date:
[unclear]	[unclear]	[unclear]	
[unclear]	[unclear]	[unclear]	
			Start Time:
			Stop Time:
			Hours:
			Client Sign-off:

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572



Project Manager:	Rick Wilson
Client Name:	First Republic Bank
Address:	
City, State ZIP:	
Phone:	
Fax:	

Bill to:	Tom [unclear]
Company:	[unclear]
Address:	1243 Del Norte Blvd
City, State ZIP:	San Francisco CA 94106
Phone:	510-324-3121
Fax:	510-324-4857

Date:	12/17/11
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Name:	Lawrence Honda
Project Number:	42249

P.O. No.:	
-----------	--

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	No. Containers	Remarks
B1-5'	12/17/11		Soil	RW								
B1-10'												
B1-15'												
B1-20'												
B2-5'												
B2-7.5'												
B2-15'												
B2-20'												
B3-5'												
B3-10'												
B3-15'												
B3-20'												

Initials:	Printed Name:	Signature:	Date:
RW	Rick Wilson	[Signature]	
	[Signature]	[Signature]	
			Start Time:
			Stop Time:
			Hours:
			Client Sign-off:

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

LABORATORY QC REPORT
Total Petroleum Hydrocarbons by GC/FID EPA 8015M



Report #: 3F041d.qac

Project Mgr: Rick Wilson

Date analyzed: 12/14/99

Client: Tom Edwards & Associates

Project: Livermore Honda

Proj. No: 42299

Units: Soil

Sample Field ID: B2-15'

Matrix: mg/Kg

Lab ID Number		3F041-03	Spike concentr.	3F041-03 MS		3F041-03 MSD		RPD %
				Conc.	% Recov.	Conc.	% Recov.	
Analyte	RL							
TPH as diesel	10	ND	860	690	80%	646	75%	6.6%
SURROGATE	QC Limits							
o-Terphenyl	65%-135%	97%			92%		86%	
Dilution Factor (DF)		1			1		1	

Notes :

ND - Analytes not detected at, or above the stated detection limit

RL - Reporting limit

mg/Kg - Milligrams per kilogram

M - Matrix interference

% Recovery QC Limits : 65% - 135%

RPD QC Limit : <30%

LABORATORY QC REPORT
Total Petroleum Hydrocarbons by GC/FID EPA 8015M



Report #: 3F041d.qac

Project Mgr: Rick Wilson

Client: Tom Edwards & Associates

Date analyzed: 12/14/99

Project: Livermore Honda

Proj. No: 42299

Units: Soil

Matrix: mg/Kg

Lab ID Number		M. Blank s				
Date Analyzed		12/14				
Analyte	RL s					
TPH as diesel	10	ND				
SURROGATE	QC Limits					
o-Terphenyl	65%-135%	91%				
Dilution Factor (DF)		1				

Notes:

ND - Analytes not detected at, or above the stated detection limit

RL - Reporting limit

mg/Kg - Milligrams per kilogram



Analytical Laboratory Report Extractables by EPA 8015B

Date Sampled:	12/7/99	Project Mgr:	Rick Wilson
Date Received:	12/8/99	Client:	Tom Edwards & Associates
Date Analyzed:	12/14/99	Proj. Name:	Livermore Honda
Date Reported:	12/17/99	Proj. No:	42299
Report Number:	3F041.rpt	Matrix:	Soil
Lab Number:	3F041	Units:	mg/Kg

Field ID No.		B2-5'	B2-10'	B2-15'		
Lab ID No.		3F041-01	3F041-02	3F041-03		
Analyte	RL					
TPH as Diesel	0.005	200	630	ND		
TPH as Motor oil	0.005	39000 J	14000 J	ND		
SURROGATE	QC Lim.					
o-Terphenyl	65-135%	78%	73%	97%		
Dilution Factor		4	1	1		

NOTES:

ND - Analytes not detected at, or above the reporting limit

RL - Reporting Limit

J - Estimated value

mg/L - Milligrams per kilogram (ppm)

* - Dilution run

^ - Sample chromatogram does not match standard chromatogram

LABORATORY QC REPORT

Volatile Organics by EPA 8260B



Report #: 3F041v.qac

Date analyzed: 12/13/99

Sample Field ID: B2-15'

Project Mgr: Rick Wilson

Client: Tom Edwards & Associates

Project: Livermore Honda

Proj. No: 42299

Units: Soil

Matrix: mg/Kg

Lab ID Number		3F041-03	Spike	3F041-03 MS		3F041-03 MSD		RPD
Analyte		RL	concentr.	Conc.	% Recov.	Conc.	% Recov.	%
Benzene	0.005	ND	0.050	0.0376	75%	0.0401	80%	6.6%
Toluene	0.005	ND	0.050	0.0378	76%	0.0384	77%	1.8%
Ethyl Benzene	0.005	ND	0.050	0.0364	73%	0.0362	72%	0.5%
Xylene (Total)	0.005	ND	0.150	0.1010	67%	0.0996	66%	1.4%
SURROGATE	QC Limits							
Dibromofluoromethane	70-130%	99%			102%		102%	
1,2-Dichloroethane-d4	70-130%	89%			90%		89%	
Toluene-d8	70-130%	108%			108%		108%	
4-Bromofluorobenzene	70-130%	104%			105%		106%	
Dilution Factor (DF)		1			1		1	

Notes:

ND - Analytes not detected at, or above the stated detection limit

RL - Reporting limit

mg/Kg - Milligrams per kilogram

M - Matrix interference

% Recovery QC Limits: 65% - 135%

RPD QC Limit: <30%

LABORATORY QC REPORT

Volatile Organics by EPA 8260B



Report # : 3F041v.qac

Project Mgr: Rick Wilson

Client : Tom Edwards & Associates

Date analyzed: 12/13,15/99

Project: Livermore Honda

Proj. No: 42299

Units : Soil

Matrix : mg/Kg

Lab ID Number Date Analyzed		M.Blank s 12/13	M.Blank s extr. 12/15			
Analyte	RL s					
Benzene	0.005	ND	ND			
Toluene	0.005	ND	ND			
Ethyl Benzene	0.005	ND	ND			
Xylene (Total)	0.005	ND	ND			
TPH as gasoline	0.5	ND	ND			
SURROGATE	QC Limits					
Dibromofluoromethane	70-130%	107%	97%			
1,2-Dichloroethane-d4	70-130%	123%	110%			
Toluene-d8	70-130%	107%	92%			
4-Bromofluorobenzene	70-130%	101%	89%			
Dilution Factor (DF)		1	100			

Notes :

ND - Analytes not detected at, or above the stated detection limit

RL - Reporting limit

mg/Kg - Milligrams per kilogram

Analytical Laboratory Report

Volatile Organics by EPA 8260B

Date Sampled:	12/7/99	Project Mgr:	Rick Wilson
Date Received:	12/8/99	Client:	Tom Edwards & Associates
Date Analyzed:	12/13,15/99	Proj. Name:	Livermore Honda
Date Reported:	12/17/99	Proj. No:	42299
Report Number:	3F041.rpt	Matrix:	Soil
Lab Number:	3F041	Units:	mg/Kg

Field ID No.		B2-5'	B2-10'	B2-15'		
Lab ID No.		3F041-01	3F041-02	3F041-03		
Analyte	RL					
Benzene	0.005	0.030 J	ND	ND		
Toluene	0.005	0.62*	ND	ND		
Ethyl Benzene	0.005	1.2 *	0.010	ND		
Xylene (Total)	0.005	6.8 *	0.054	ND		
TPH as gasoline	0.5	220 **	280 **	ND		
SURROGATES	QC Lim.					
Dibromofluoromethane	70-130%	142% / 89%*	124% / 95%*	99%		
1,2-Dichloroethane-d4	70-130%	172% / 91%*	123% / 90%*	88%		
Toluene-d8	70-130%	70% / 87%*	73% / 96%*	106%		
4-Bromofluorobenzene	70-130%	93% / 86%*	120% / 94%*	104%		
Dilution Factor		1 / 100*	1 / 100*	1		

NOTES:

ND - Analytes not detected at, or above the reporting limit

RL - Reporting Limit

J - Estimated value

mg/L - Milligrams per kilogram (ppm)

* - Dilution run

^ - Sample chromatogram does not match standard chromatogram



Laboratory QC Report EPA METHOD 418.1

Date Analyzed: 12/9/99

Project Mgr: RICK WILSON

Client: FIRST REPUBLIC BANK

Project Name: LIVERMORE HONDA

Matrix: Soil

Report Number: 4F096.qac

Units: mg/Kg

Lab ID No. :	M.Blank	LCS		
		Spike amount	Concentration	% Recovery
Analyte				
TRPH	ND	100	99	99%

Spiked sample ID: B-6-20'

Lab ID No. :	4F096-24	Spike amount	4F096-24 MS		4F096-24 MSD		RPD %
			Concentration	% Recovery	Concentration	% Recovery	
Analyte							
TRPH	ND	100	114	114%	102	102%	11.1%

NOTES:

ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)

QC Limits : % Recovery 70% - 130%
 RPD % <30%

PROCEDURES:

TRPH - Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1.

CERTIFICATION:

California Department of Health Services ELAP Certificate #1842
Onsite Environmental Laboratories, Inc., 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571/(510) 490-8572/Fax

Analytical Laboratory Report EPA METHOD 418.1



Date Sampled:	12/7/99	Project Mgr:	RICK WILSON
Date Received:	12/7/99	Client:	FIRST REPUBLIC
Date Analyzed:	12/9/99	Project Name:	LIVERMORE HONDA
Date Reported:	12/10/99	Project No:	42299
Report Number:	NA	Matrix:	Soil
Lab Number:	4F096	Units:	mg/Kg

Lab ID No.	Field ID No.	Total Recoverable Petroleum Hydrocarbons	Dilution Factor
4F096-01	B-1-5	1000	20
4F096-02	B-1-10	13	1
4F096-03	B-1-15	ND	1
4F096-04	B-1-20	31	1
4F096-05	B-2-5	40000	80
4F096-06	B-2-10	10000	20
4F096-07	B-2-15	18	1
4F096-08	B-2-20	11	1
4F096-09	B-3-5	ND	1
4F096-10	B-3-10	8500	80
4F096-11	B-3-15	11	1
4F096-12	B-3-20	14	1
4F096-13	B-4-5	160	1
4F096-14	B-4-10	15	1
4F096-15	B-4-15	ND	1
4F096-16	B-4-20	21	1
4F096-17	B-5-5	12	1
4F096-18	B-5-10	20	1
4F096-19	B-5-15	ND	1
4F096-20	B-5-20	ND	1
4F096-21	B-6-5	20	1
4F096-22	B-6-10	ND	1
4F096-23	B-6-15	ND	1
4F096-24	B-6-20	ND	1
Reporting Limit		10	

NOTES:

ND - Analytes not detected at, or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)

PROCEDURES:

TRPH - Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1.

CERTIFICATION:

California Department of Health Services ELAP Certificate #1842
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