Appendix D-4

Limited Phase II Investigation

Limited Phase II Investigation
Los Angeles Unified School District
Police Department
1330 Pico Boulevard
Los Angeles, California

February 7, 2002
002-07164-03-001

Prepared for
Manulife Financial
200 Bloor Street, NT-6
Toronto, Ontario
Canada M4W1E5

LFR
LEVINE • FRICKE

February 6, 2002 002-07164-03-001

Ms. Dawn Elliot
Manulife Financial
200 Bloor Street, NT-6
Toronto, Ontario
Canada M4W1E5

Subject: Limited Phase II Investigation Report for the Los Angeles School District Police Department, 1330 Pico Boulevard, Los Angeles, California

Dear Ms. Elliot:

LFR Levine·Fricke (LFR) is pleased to present the results of our Limited Phase II subsurface investigation of the above-mentioned facility. This evaluation of subsurface soil conditions beneath the subject property was based on the results of LFR's preliminary Phase I investigation (January 2002). The objective and scope of work for this investigation were outlined in our work plan dated January 15, 2002.

If you have questions regarding this report or any other aspect of the site investigation, please call me at (714) 444-0111.

Sincerely,

Martin Hamann, R.G., C.HG.
Senior Associate Hydrogeologist

Attachment

cc: Mr. Ed Israel, Wilshire Pacific Properties

CONTENTS

FIGURES

APPENDICES

CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a LFR Levine·Fricke California Registered Geologist.

Martin Hamann, R.G., C.HG.
Senior Associate Hydrogeologist

REGISTERED GEOLOGIST
MARTIN E. HAMANN
No. 203
CERTIFIED HYDROGEOLOGIST
STATE OF CALIFORNIA

2-7-02
Date

* A registered geologist's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

EXECUTIVE SUMMARY

Manulife Financial retained LFR Levine·Fricke (LFR) to conduct a subsurface assessment of the Los Angeles School District Police Department located at 1330 Pico Boulevard, Los Angeles, California ("the Site"; Figure 1). The purpose of this investigation was to evaluate shallow soils in the vicinity of two former waste water clarifiers and a waste ink pit for the presence of chemicals associated with the former presence of a bank plate manufacturer at the Site. This report summarizes and presents the results of subsurface investigation activities performed at the Site.

LFR drilled and sampled a total of six soil borings (Figure 2) to evaluate the presence of chemically affected soils beneath the property resulting from previous site activities. Analytical results detected no concentrations of volatile organic compounds (VOCs) above the laboratory practical quantitation limit. However, analytical results indicated detectable concentrations of California Assessment Manual (CAM) metals are present in soil beneath the Site. Based on the results of this investigation, it is unknown whether groundwater may have been impacted by chemicals from this Site. However, LFR understands that groundwater is over 40 feet below grade, so the likelihood of significant impact to water would be considered unlikely.

All soil samples analyzed had detectable concentrations of CAM metals. The main metals of concern identified in site soils were lead, chromium, and nickel. These metals were detected in all of the borings at differing depths and concentrations. The highest concentrations of nickel (2,000 milligrams per kilogram [mg/kg]) and chromium (1,800 mg/kg) were detected in soil boring LFRSB-4 at a depth of 5.5 to 6 feet below ground surface (bgs). The nickel concentration is at the Total Threshold Limit Concentration (TTLC; 2,000 mg/kg), indicating that nickel at this location may be considered a hazardous waste if the soil is disturbed (for example, during site redevelopment or construction activities). The concentration of chromium is below the TTLC but greater than the industrial preliminary remediation goal (PRG) of 450 mg/kg. The greatest concentration of lead (100 mg/kg) was detected in boring LFRSB-3 at a depth of 5.5 to 6 feet bgs. This concentration of lead is greater than 10 times the Soluble Threshold Limit Concentration (STLC) of 5 mg/kg but less than the TTLC, indicating that lead at this location may be considered a hazardous waste if the soil is disturbed. Arsenic concentrations exceeded the industrial PRG of 2.7 mg/kg in five of the eight samples analyzed, but was not detected near or above10 times the STLC or the TTLC. The remaining CAM metals were not detected near or above the PRGs, 10 times the STLC or the TTLC in any of the soil samples analyzed.

LFR understands that the above mentioned metals-affected soils are located under a concrete floor adjacent to a 2,000-gallon clarifier, and that this location is currently utilized for storage and warehousing. If future activities at the Site involve ground disturbance or change of use, further evaluation of subsurface conditions is recommended to more fully characterize the extent of affected soils. In this event,

LFR recommends that three additional soil borings be advanced in the vicinity of boring LFRSB-3, and another three soil borings be advanced in the vicinity of LFRSB-4.

1.0 INTRODUCTION

LFR Levine·Fricke (LFR) performed a subsurface investigation of the Los Angeles School District Police Station located at 1330 Pico Boulevard, Los Angeles, California ("the Site"). The Site is located on the south side of West Pico Boulevard, just west of the 110 Freeway (Figure 1). This report presents the findings of subsurface investigation activities conducted at the Site by LFR in January 2002.

1.1 Authorization

Wilshire Pacific Properties requested that LFR conduct a subsurface investigation of the Site to evaluate whether chemically affected soils are present beneath the property. The objective and scope of work for this investigation were outlined in LFR's work plan dated January 15, 2002.

1.2 Objective

The primary objective of the subsurface investigation was to identify possible environmental concerns related to previous and current on-site chemical use, storage, handling, spillage, and/or disposal, focusing on potential degradation of soil quality. This investigation addressed past and present land use at the Site, and included an evaluation of whether undocumented chemical releases have occurred at the property that could fall within current regulatory guidelines for remediation, if appropriate.

1.3 Scope of Work

The scope of work for the subsurface investigation included the following activities:

- Geoprobe drilling and sampling of six soil borings to evaluate soil conditions in areas where releases of hazardous materials may have occurred
- laboratory analysis of soil samples, including compilation and review of analytical data

Site-specific activities performed by LFR and information collected regarding these activities are summarized in the following sections.

1.4 Limitations

This investigation was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the investigation described herein. The opinions presented herein apply to site conditions existing at the time of our study and cannot necessarily be taken to apply to site conditions or changes that we are not aware of or have not had the opportunity to evaluate. It must be recognized that any conclusions drawn from these data are limited to the amount, type, distribution, and integrity of the information collected at the time of the investigation, and the methods used to collect and evaluate the data, and that a full and complete determination of environmental risks cannot be made. Although LFR has taken steps to collect true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of this information.

2.0 FIELD ACTIVITIES

Fieldwork for this phase of the investigation was performed at the Site on January 28, 2002. This work included Geoprobe drilling and sampling of six soil borings (LFRSB-1 through LFRSB-6) to varying depths (Figure 2).

Soil samples were collected from the borings for soil lithologic description, field screening using an Organic Vapor Monitor (OVM), and laboratory analysis. Procedures and standard protocols for conducting these field activities are presented in Appendix A. Borehole lithologic log details for the discrete depths sampled are included in Appendix B.

2.1 Preparation of Sampling Locations

Prior to initiating sampling activities, LFR coordinated scheduling, access, and on-site safety protocols with the on-site foreman and Los Angeles School District Police Department personnel. Other activities included the following tasks.

2.1.1 Health and Safety Plan

LFR prepared and presented a site-specific Health and Safety Plan (HSP) for this investigation. The HSP was prepared in accordance with applicable federal and state regulations (29 CFR 1910.120 and 8 CCR 5192, respectively), and was reviewed and approved by an LFR Certified Industrial Hygienist before field activities began. The HSP addressed the potential for exposure to hazardous constituents and delineated the general safety procedures that are required for the safe operation of mechanical equipment to be used while conducting field operations at the Site.

2.1.2 Geophysical Clearance

LFR retained Spectrum Geophysics of San Fernando, California, to conduct a geophysical survey to identify underground utilities beneath the Site in the areas of the proposed sampling locations. The geophysical survey included magnetic and other electronic techniques to provide clearance from underground utilities at specific locations. In addition, Underground Service Alert was notified 48 hours before any intrusive activities started, as required by law.

2.2 Drilling and Sampling of Boring Locations

Soil boring locations were selected based on the highest likelihood of encountering chemically affected soil. These locations included previous chemical use areas and former and present underground structures. Sampling was accomplished using a Geoprobe limited access rig (LAR). A discussion of sample collection methods is provided below. Details of the analytical methods used and related results are presented in Section 3.0.

2.2.1 Drilling of Limited Access Borings

A limited access drill rig was used to advance and sample six soil borings (LFRSB-1 through LFRSB-6) at various locations across the Site (Figure 2). These sampling areas were selected to evaluate soil conditions beneath the site building that contains a clarifier, a suspected clarifier, and a waste ink pit.

LFR conducted soil sampling at 5-foot intervals to a total depth of 20 feet below ground surface (bgs). Acetate sleeves were used to collect discrete soil samples for chemical analysis. Soil samples were submitted to a California State certified laboratory for analysis of volatile organic compounds (VOCs), pH, and California Assessment Manual (CAM) metals.

During soil boring activities, the drillers and LFR staff consistently encountered resistance in the form of a concrete slab at approximately 8 to 9 feet bgs, thus preventing the completion of soil borings below this depth in all but one location. This apparent concrete slab was encountered at each of the six borings.

2.3 Soil Sampling

Soil sampling was conducted at 5-foot intervals at depths ranging from 5 to 20 feet bgs. Soil samples were collected in acetate sleeves using the Geoprobe rig, as described in the attached soil collection and sampling protocols (Appendix A).

Soil borings were observed and logged during drilling activities. Organic vapors from the soil cuttings and soil samples were monitored using a calibrated OVM. Soil descriptions and OVM results are presented in the soil boring logs (Appendix B).

2.4 Borehole Abandonment

After sampling, each borehole was backfilled with bentonite grout and capped with concrete slurry at the surface.

2.5 Waste Management

No waste soils were generated during the soil boring and sampling activities.

3.0 ANALYTICAL METHODS AND RESULTS

A total of nine soil samples were collected from the six soil borings drilled and sampled during this investigation. The soil samples were submitted to Positive Lab Service in Los Angeles, California, for laboratory analysis.

The shallowest sample from each of the six borings was analyzed for pH using EPA Method 9045. In addition, samples collected at 5 and 10 feet bgs were analyzed for CAM metals using EPA Method 6010B. All samples were analyzed for VOCs using EPA Method 8260B.

Soil analytical results are summarized in Table 1. Copies of the laboratory data sheets and chain-of-custody documentation are included in Appendix C. A brief discussion of analytical results by analytical method is presented in the following section.

3.1 Soil Analytical Results – VOCs

Analytical data show that no VOCs were detected in any of the nine soil samples analyzed. CAM metals and pH analytical results are summarized in Table 1.

3.2 Soil Analytical Results – Metals

The two shallowest samples from each of the six borings (for a total of eight samples) were analyzed for CAM metals. Soil samples from the shallow sample depths were selected for initial metals analysis, on the assumption that lower mobility metals would most likely be present at shallower depths. Detected metals concentrations are summarized in Table 1.

The detected metals concentrations in each of the soil samples analyzed were compared to the Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC), and Preliminary Remediation Goal (PRG) for each metal of concern. With the exception of soil from boring LFRSB-4, all of the metals concentrations were below industrial PRG levels. None of the samples analyzed had CAM metals above the TTLC or 10 times the STLC, with the exception of borings LFRSB-3 and LFRSB-4.

Samples analyzed from borings LFRSB-3 and LFRSB-4 had elevated concentrations of lead, chromium, and nickel. The greatest concentration of nickel (2,000 milligrams per kilogram [mg/kg]) was detected in LFRSB-4 at a depth of 5.5 to 6 feet bgs. The greatest concentration of chromium (1,800 mg/kg) was detected in LFRSB-4 at a depth of 5.5 to 6 feet bgs. The concentration of nickel is at the TTLC (2,000 mg/kg), indicating that nickel at this location may be a hazardous waste if the soil is disturbed. The concentration of chromium is below the TTLC but greater than the PRG (450 mg/kg), indicating that soil in this area may need to be remediated to protect human health. The greatest concentration of lead (100 mg/kg) was detected in LFRSB-3 at a depth of 5.5 to 6 feet bgs. This concentration of lead is greater than 10 times the STLC of 5 mg/kg but less than the TTLC, indicating that lead at this location may be considered a hazardous waste if the soil is disturbed. Arsenic concentrations exceeded the industrial PRG of 2.7 mg/kg in five of the eight samples analyzed, but were not detected near or above10 times the STLC or the TTLC. The range of arsenic concentrations encountered is consistent with ambient background levels found in native California soils.

It is important to note that the PRG for a given compound does **not** represent a sharp line between "safe" and "dangerous" levels. In practice, concentrations below the PRG are generally considered "safe," while concentrations above the PRG may or may not be "safe." As stated by the U.S. Environmental Protection Agency (U.S. EPA):

> *Chemical concentrations above these levels would not automatically designate a site as "dirty" or trigger a response action. However, exceeding a PRG suggests that further evaluation of the potential risks that may be posed by site contaminants is appropriate. Further evaluation may include additional sampling, consideration of ambient levels in the environment, or a reassessment of the assumptions contained in these screening-level estimates.*

3.3 Soil Analytical Results – pH

Soil analytical results indicate that the soil samples analyzed are slightly basic. The soil pH ranged from 7.5 to 8.8.

4.0 SUMMARY AND RECOMMENDATIONS

LFR oversaw the drilling and sampling of a total of six Geoprobe soil borings to 20 feet bgs to assess the presence of chemically affected soil beneath the Site. This investigation consisted of collecting soil samples for laboratory analysis. Analytical results indicated the absence of detectable VOC concentrations in the soil. Soil pH ranged from 7.5 to 8.8.

The results of the soil investigation identified two soil borings with elevated CAM metals concentrations in the vicinity of the existing subsurface clarifier. The main metals detected were arsenic, lead, chromium, and nickel. These metals were detected

at a depth of 5.5 to 6 feet bgs. Based on the results of this investigation, it is unknown whether groundwater may have been impacted by chemicals from this Site. However, LFR understands that groundwater is over 40 feet below grade, so the likelihood of significant impact to water would be considered unlikely.

LFR understands that the above mentioned metals-affected soils are located adjacent to a 2,000-gallon clarifier, and that this location is currently utilized for storage and warehousing. Additionally, LFR recognizes that the approximately 4- to 6-inch concrete foundation provides a barrier between the soil and potential human receptors. Based on these conditions, LFR concludes that there is no complete exposure pathway for the metals-affected soils at the Site to interact with human receptors.

If future activities at the Site involve ground disturbance or change of use, further evaluation of subsurface conditions is recommended to more fully characterize the extent of affected soils. In this event, LFR recommends that a three additional soil borings be completed in the vicinity of LFRSB-3, and another three soil borings be completed in the vicinity of LFRSB-4. At this time, soil conditions below the presumed concrete slab encountered at 8 to 9 feet bgs are unknown.

5.0 REFERENCES

LFR Levine Fricke. 2002. Phase I Environmental Site Assessment Los Angeles Unified School District Police Department. January.

LFR Levine Fricke. 2002. Revised Proposal to Conduct a Limited Phase II Environmental Site Assessment, Former American Banknote Facility, Los Angeles, California. LFR Proposal No. LA01-187.

TABLES

Table 1
Soil Boring Analytical Data
Los Angeles School District Police Department

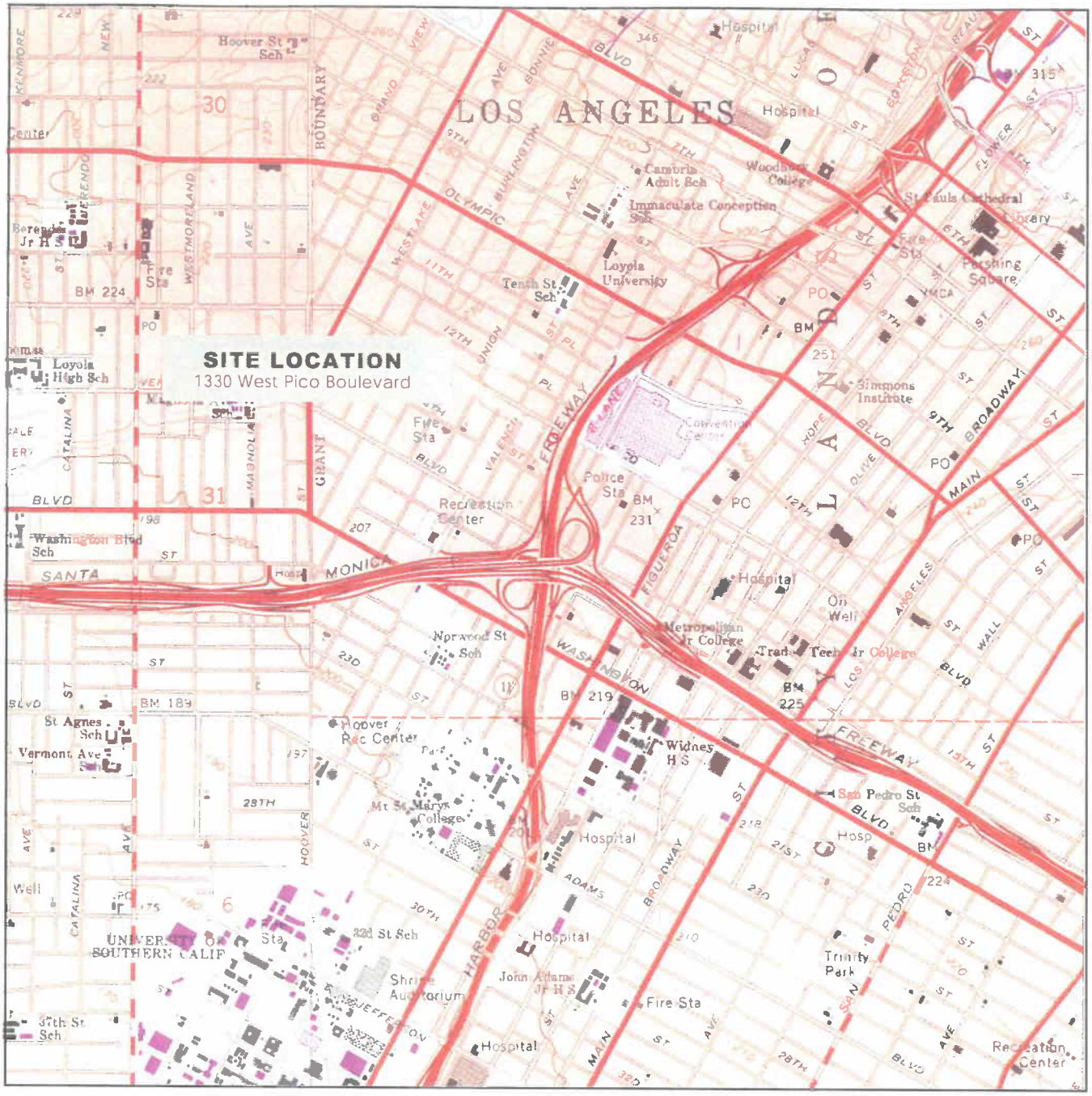
LFR 002-07164-02-002

Date Sampled	Sample Location	Sample Depth	pH	Analytical Parameters (mg/Kg)																
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
1/28/02	SB-1	5.5-6'	7.5	<10	3.3	100	<1	<1	18	9.2	22	6.1	<5	12	<1	<1	<1	44	42	<0.1
1/28/02	SB-1	10.5-11'	NA	<10	<1	43	<1	<1	4.2	3.3	6.0	2.5	<5	4.7	<1	<1	<1	14	17	<0.1
1/28/02	SB-2	5.5-6'	8.8	<10	<1	14	<1	<1	2.1	1.2	1.6	0.96	<5	2.4	<1	<1	<1	13	13	<0.1
1/28/02	SB-2	10.5-11'	NA	<10	<1	68	<1	<1	5.5	3.6	5.4	2.4	<5	5.8	<1	<1	<1	18	29	<0.1
1/28/02	SB-2	15.5-16'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/28/02	SB-3	5.5-6'	8.3	<10	3.4	170	<1	<1	130	8.4	25	100	<5	1200	<1	1.6	<1	34	130	0.15
1/28/02	SB-4	5.5-6'	7.7	<10	2.9	110	<1	<1	1800	12	80	57	<5	2000	<1	6.5	<1	28	100	0.38
1/28/02	SB-5	5.5-6'	8.2	<10	2.9	110	<1	<1	28	8.1	14	4.7	<5	24	<1	<1	<1	44	44	<0.1
1/28/02	SB-6	5.5-6'	8.4	<10	5.0	120	<1	<1	20	9.2	14	4.4	<5	15	<1	<1	<1	46	46	<0.1

Note:

NA- Not applicable, Soil sample was not analyzed for the designated parameter

FIGURES



MAP SOURCE: U.S.G.S Topographic Map, 7.5' Quadrangle, Hollywood, California, 1981.

0 1,000 2,000 4,000 feet

7164-003 120301RDC/meg

LAUSD-Wilshire Pacific Property

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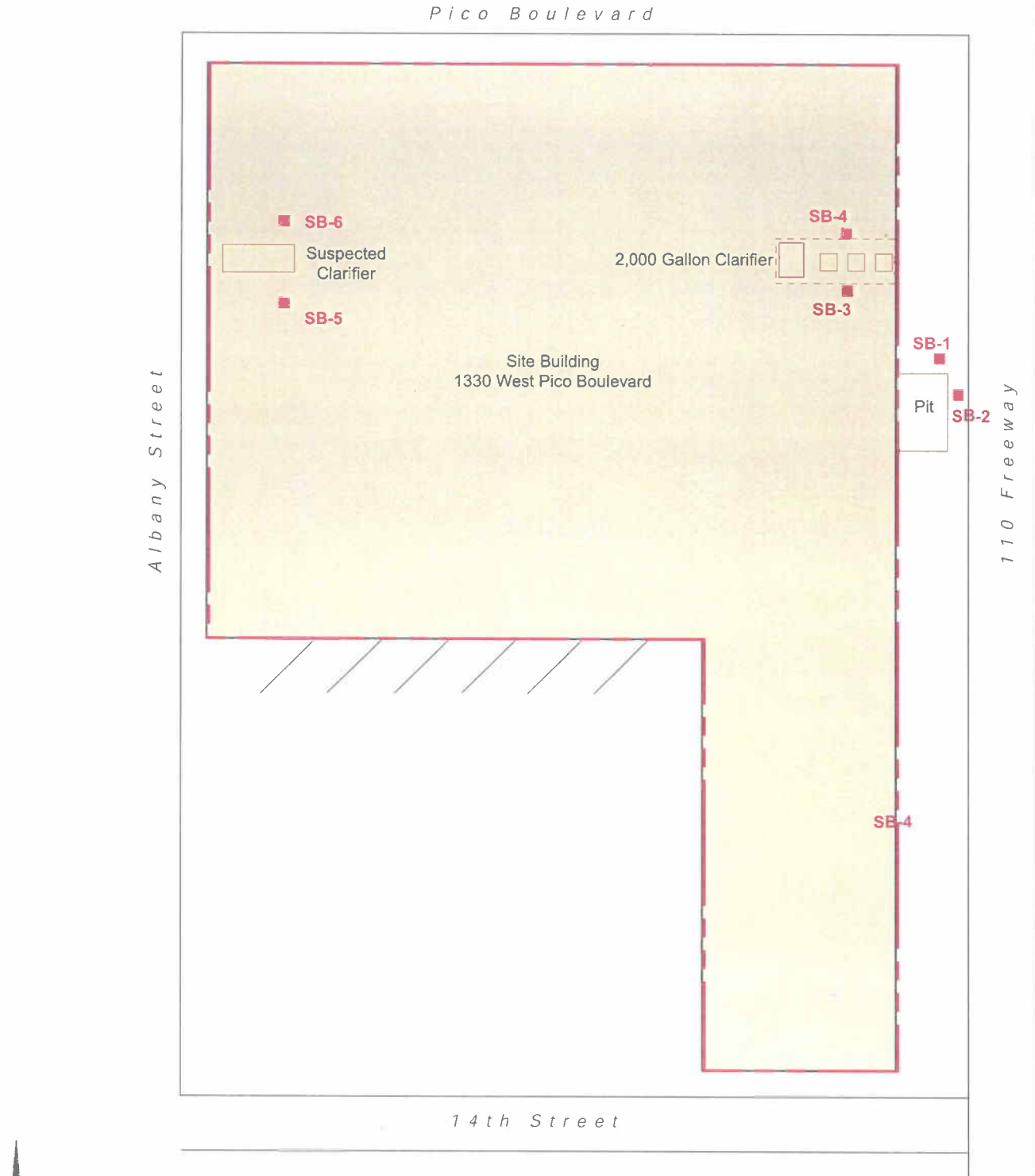
Site Vicinity

Figure 1

Project No. 7164



Not to Scale

LAUSD - Wilshire Pacific Property

Site Map and Boring Locations

Figure 2

Project No. 7164

7164-05 120301RDC/meg

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APPENDICES

APPENDIX A

Field Procedures

FIELD PROCEDURES

Drilling of Exploratory Borings and Soil Sampling

Drilling

Soil borings were advanced using a Geoprobe Limited Access Rig (LAR). Two-foot acetate sleeves were used for sample collection. To reduce the potential for cross contamination between borings, auger flights, downhole drilling tools, and sampling equipment were cleaned prior to use at each drilling location.

Sample Intervals

Soils were sampled at 5-foot intervals, or at other selected intervals specified by the site work plan, or at the discretion of the on-site Levine·Fricke·Recon (LFR) geologist. The soil samples were collected using a Geoprobe sampler lined with clean acetate sleeves.

Sample Selection

The selection of soil samples to be submitted for chemical analysis was based on field observations such as volatile organic compound (VOC) measurements using a Organic Vapor Monitor (OVM). The OVM was calibrated prior to use. One soil sample from each sampling interval was placed in a plastic bag, broken apart, and allowed to stand for a minimum of 5 minutes prior to screening. The concentration of VOCs in the resultant "head space" gas was then measured with the OVM and recorded. All Samples were analyzed.

Sampling Equipment

In each boring, one 2-foot acetate sleeve from each sampling interval was retained for possible chemical analysis. The retained sleeve was cut at the designated depth and covered on both ends with Teflon sheeting and sealed with plastic caps. The samples were labeled and stored in a chilled cooler pending delivery to the analytical laboratory. Strict chain-of-custody protocol was followed throughout all phases of the sample handling process.

Lithologic Description

Soil samples were lithologically described and classified using the Unified Soil Classification System. A lithologic log was prepared for each boring. Geoprobe activities and logging were performed under the direction of an LFR California Registered Geologist (RG).

Equipment Cleaning

To reduce the potential for cross contamination, Geoprobe equipment and tools were cleaned prior to drilling each borehole. Sampling tools were scrubbed with a laboratory-grade detergent and double-rinsed with distilled water between sampling points.

Borehole Abandonment

Following completion of soil sampling activities, the soil borings were backfilled with bentonite chips. The boring was then filled to the ground surface with a cement slurry.

APPENDIX B

Soil Boring Lithologic Logs

Lithology and Sample Data

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Project Number: _____ **Page** _____ **of** _____

Project Name: _____ **Date:** _____

WELL CONSTRUCTION		LITHOLOGY		SAMPLE DATA			
Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft.)	PID/ FID (ppm)
1			SILTY SAND - SM - 5Y4/4 REDDISH BROWN MOIST, MEDIUM DENSE, FINE TO COARSE SAND W/ SOME FINE GRAVEL, SOME CLAY				
2							
3							
4							
5	0815			LFSB1-4.5-5.2			5.2
6							
7							
8			SILTY-SAND - SM - 2.5Y6/3 LIGHT YELLOWISH BROWN, MOIST, MEDIUM DENSE, FINE TO COARSE SAND W/ FINE GRAVEL, VERY LITTLE CLAY				
9							
10	0830						1.3
11			REFUSAL	LFSB1-10.5-11			

Boring/Well Location Schematic

SB-1

N indicate

Boring/Well No.: SB-1	Drilling method: GEOPROBE
Date drilled: 1/28/02	Sampling Method: _____
Drilling company: INTERPHASE	Hammer weight and size: _____
LFR Staff: KGW SAF	

Reviewed by: _____ **Signed:** _____ **Date:** _____

Lithology and Sample Data

LFR LEVINE • FRICKE

Project Number: 002-07164-02 **Page** 1 **of** 1

Project Name: AMERICAN BANKNOTE FACILITY **Date:** 1/28/02

WELL CONSTRUCTION	LITHOLOGY	SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft.)	PID/FID (ppm)
			SILTY-SAND - SM - 10YR 4/4 DARK YELLOWISH BROWN, MOIST, MEDIUM DENSE FINE TO COARSE SAND, FINE GRAVEL; VERY LITTLE CLAY				
5	0940			LFRSB2-5.5-6			2.6
10	1000		SILTY-SAND - SM - 2.5Y 6/3 LIGHT YELLOWISH BROWN, MOIST, MEDIUM DENSE, FINE TO COARSE SAND, FINE GRAVEL, LITTLE TO NO CLAY	LFRSB2-10.5-11			5.2
11			SIGNIFICANT REFUSAL @ 11-11.5'				
15	1025		SILTY-SAND - SM - 2.5Y 7/3 PALE YELLOW MOIST, MEDIUM DENSE FINE TO COARSE SAND, FINE GRAVEL, LITTLE TO NO CLAY	SB2-15.5-16			3.9
16			BOTTOM OF BORING				

Boring/Well Location Schematic

LFSB2

N indicate

Boring/Well No.: SB2 Drilling method: GEOPROBE

Date drilled: 1/28/02 Sampling Method: _____

Drilling company: INTERPHASE Hammer weight and size: _____

LFR Staff: KCV SAF

Reviewed by: _____ **Signed:** _____ **Date:** _____

Lithology and Sample Data

LFR LEVINE • FRICKE

Project Number: 002-07164-02-002 **Page** 1 of 1

Project Name: AMERICAN BANKNOTE FACILITY **Date:** 1/28/02

WELL CONSTRUCTION	LITHOLOGY	SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft.)	PID/FID (ppm)
			SILTY, CLAYEY SAND w/ GRAVEL, SC-SM, 7.5YR 3/3 DARK BROWN, MOIST, MEDIUM DENSE, FINE TO COARSE SAND, FINE GRAVEL				
5	1140			GEOSB3-5.5-6'			3.9
			NO SAMPLE RECOVERED BETWEEN 9-11', SECOND CONCRETE SLAB ENCOUNTERED @ 8.7'				
10	1240						
			REFUSAL @ = 12'				
15							

Boring/Well Location Schematic

SB3

N indicates

Boring/Well No.: SB-3 Drilling method: GEOPROBE

Date drilled: 1/28/02 Sampling Method: _____

Drilling company: INTEGRATED Hammer weight and size: _____

LFR Staff: KGN SAS

Reviewed by: _____ **Signed:** _____ **Date:** _____

Lithology and Sample Data

LFR LEVINE • FRICKE

Project Number: 002-07164.02 **Page** 1 **of** 1

Project Name: AMERICAN BANKNOTE SOCIETY **Date:** 1/28/02

WELL CONSTRUCTION		LITHOLOGY		SAMPLE DATA			
Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft.)	PID/FID (ppm)
			SAND w/ GRAVEL - SW - 7.5YR 4/3 BROWN MOIST, MEDIUM DENSE, FINE TO COARSE SAND, FINE GRAVEL				
5	1330			LFR-SB4-5.5-6'			1.9
8			REFUSAL @ ± 8'				

Boring/Well Location Schematic

SB 4

N indicates

Boring/Well No.: SB4 Drilling method: GEOPROBE

Date drilled: 1/28/02 Sampling Method: _____

Drilling company: ENTERPHASE Hammer weight and size: _____

LFR Staff: KGW SAF

Reviewed by: _____ **Signed:** _____ **Date:** _____

Lithology and Sample Data

LFR LEVINE • FRICKE

Project Number: 002-07164-02 **Page** 1 **of** 1

Project Name: AMERICAN BANKNOTE FACILITY **Date:** 1/28/02

WELL CONSTRUCTION	LITHOLOGY	SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft.)	PID/FID (ppm)
			LEAN CLAY W/ SAND - CL - 7.5YR 3/3 - DARK BROWN, MOIST, STIFF, LOW NON PLASTIC CLAY W/ SILT & FINE TO COARSE SAND				
4							
5	1440			LFRSB5-5.5-6'			1.9
6							
8			REFUSAL @ APPROX 8'				
10							
15							

Boring/Well Location Schematic

SB5

N indicates

Boring/Well No.: SB5 Drilling method: GEOPROBE

Date drilled: 1/28/02 Sampling Method: _____

Drilling company: ENTERPHASE Hammer weight and size: _____

LFR Staff: KGN SAF

Reviewed by: _____ **Signed:** _____ **Date:** _____

Lithology and Sample Data

LFR LEVINE • FRICKE

Project Number: 002-07164-02 **Page** 1 **of** 1

Project Name: AMERICAN BANKNOTE FACILITY **Date:** 1/28/01

WELL CONSTRUCTION	LITHOLOGY	SAMPLE DATA

Depth, feet	Time of Sample	Graphic Log	Description	Sample Number	Interval	Penetration Rate (blows/ft.)	PID/FID (ppm)
			LOW PLASTIC CLAY W/ SAND - CL - 7.5 YR 3/3 DARK BROWN MOIST, STIFF LOW PLASTIC CLAY, FINE TO COARSE SAND				
5	1515		LFR-SB-6 5.5-6'				1.9
6			BOTTOM OF BORING				
10							
15							

Boring/Well No.: SB-6
Date drilled: 1/28/02
Drilling company: ENVIROMASK
LFR Staff: KCW SAF
Drilling method: GEOPROBE
Sampling Method: _____
Hammer weight and size: _____

Boring/Well Location Schematic

SB-6

N indicate

Reviewed by: _____ **Signed:** _____ **Date:** _____

APPENDIX C

Laboratory Analytical Data and Chain-of-Custody Documentation

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

CERTIFICATE OF ANALYSIS

Levine - Fricke **01/31/02**
File# 72348
3150 Bristol St. Suite 250
Costa Mesa, CA 92626

002-07164-02
Amer. Banknote Facility

Attn: Craig Lawrence
Phone: (714) 444-0111 Fax: (714) 444-0117

Sample#: 20020228-001 **Collector:** Client **Method:** Submitted By Client
Received: 01/29/2002 **Sampling Date/Time:** 01/28/2002 8:15:00 AM
Type: Soil
I.D.: LFRSB1-5.5-6'

Parameter	Prep/Test Method		Result	Unit	PQL
Prep Date:	**01/29/2002**	**Analysis Date:**	**01/29/2002**		
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	87	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	97	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	101	Percent	
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	3.3	mg/kg	1
Barium	EPA 3050B	EPA 6010B	100	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	18	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	9.2	mg/kg	1
Copper	EPA 3050B	EPA 6010B	22	mg/kg	1
Lead	EPA 3050B	EPA 6010B	6.1	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5

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Nickel	EPA 3050B	EPA 6010B	12	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	44	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	42	mg/kg	5
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
pH		EPA 9045	7.5	Units	0.05

Sample#: 20020228-002 **Collector:** Client **Method:** Submitted By Client
Received: 01/29/2002 **Sampling Date/Time:** 01/28/2002 8:30:00 AM
Type: Soil
I.D.: LFRSB1-10.5-11'

Parameter	Prep/Test Method		Result	Unit	PQL
	Prep Date: 01/29/2002	**Analysis Date: 01/29/2002**			
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40

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cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	97	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	100	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	98	Percent	

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	Prep Date: 01/30/2002	Analysis Date: 01/30/2002			
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	ND	mg/kg	1
Barium	EPA 3050B	EPA 6010B	43	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	4.2	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	3.3	mg/kg	1
Copper	EPA 3050B	EPA 6010B	6.0	mg/kg	1
Lead	EPA 3050B	EPA 6010B	2.5	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	4.7	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	14	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	17	mg/kg	5
	Prep Date: 01/30/2002	Analysis Date: 01/30/2002			
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1

Sample#: 20020228-003 **Collector:** Client **Method:** Submitted By Client
Received: 01/29/2002 **Sampling Date/Time:** 01/28/2002 8:40:00 AM
Type: Soil
I.D.: LFRSB2-5.5-6'

Parameter	Prep/Test Method		Result	Unit	PQL
	Prep Date: 01/29/2002	Analysis Date: 01/29/2002			
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	98	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	100	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	96	Percent	
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	ND	mg/kg	1
Barium	EPA 3050B	EPA 6010B	14	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	2.1	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	1.2	mg/kg	1
Copper	EPA 3050B	EPA 6010B	1.6	mg/kg	1
Lead	EPA 3050B	EPA 6010B	0.96	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	2.4	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	13	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	13	mg/kg	5
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
pH		EPA 9045	8.8	Units	0.05

Sample#: 20020228-004
Received: 01/29/2002
Type: Soil
I.D.: LFRSB2-10.5-11'

Collector: Client **Method:** Submitted By Client
Sampling Date/Time: 01/28/2002 9:00:00 AM

Parameter	Prep/Test Method		Result	Unit	PQL
Prep Date:	**01/29/2002**	**Analysis Date:**	**01/29/2002**		
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Levine - Fricke **01/31/02**
File# 72348
3150 Bristol St. Suite 250
Costa Mesa, CA 92626 **002-07164-02**
Amer. Banknote Facility
Attn: Craig Lawrence
Phone: (714) 444-0111 Fax: (714) 444-0117

Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	40
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	4
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	40
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4

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1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	96	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	100	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	96	Percent	
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	ND	mg/kg	1
Barium	EPA 3050B	EPA 6010B	68	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	5.5	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	3.6	mg/kg	1
Copper	EPA 3050B	EPA 6010B	5.4	mg/kg	1
Lead	EPA 3050B	EPA 6010B	2.4	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	5.8	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	18	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	29	mg/kg	5
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1

Sample#: 20020228-005
Received: 01/29/2002
Type: Soil
I.D.: LFRSB2-15.5-16'

Collector: Client **Method:** Submitted By Client
Sampling Date/Time: 01/28/2002 10:25:00 AM

Parameter	Prep/Test Method		Result	Unit	PQL
Prep Date:	**01/29/2002**	**Analysis Date:**	**01/29/2002**		
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4

20020228-005

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3150 Bristol St. Suite 250
Costa Mesa, CA 92626

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Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	100	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	99	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	97	Percent	

Sample#: 20020228-006
Received: 01/29/2002
Type: Soil
I.D.: LFRSB3-5.5-6'

Collector: Client **Method:** Submitted By Client
Sampling Date/Time: 01/28/2002 11:40:00 AM

Parameter	Prep/Test Method		Result	Unit	PQL
Prep Date:	**01/29/2002**	**Analysis Date:**	**01/29/2002**		
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4

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CERTIFICATE OF ANALYSIS

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Phone: (714) 444-0111 **Fax: (714) 444-0117**

4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	99	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	99	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	97	Percent	
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	3.4	mg/kg	1
Barium	EPA 3050B	EPA 6010B	170	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	130	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	8.4	mg/kg	1
Copper	EPA 3050B	EPA 6010B	25	mg/kg	1
Lead	EPA 3050B	EPA 6010B	100	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	1200	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	1.6	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	34	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	130	mg/kg	5
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Mercury	EPA 7471A	EPA 7471A	0.15	mg/kg	0.1
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
pH		EPA 9045	8.3	Units	0.05

Sample#: 20020228-007
Received: 01/29/2002
Type: Soil
I.D.: LFRSB4-5.5-6'

Collector: Client **Method:** Submitted By Client
Sampling Date/Time: 01/28/2002 1:30:00 PM

Parameter	Prep/Test Method		Result	Unit	PQL
	Prep Date: 01/29/2002	**Analysis Date: 01/29/2002**			
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4

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File# 72348
3150 Bristol St. Suite 250
Costa Mesa, CA 92626

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Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4

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1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	90	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	101	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	99	Percent	
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	2.9	mg/kg	1
Barium	EPA 3050B	EPA 6010B	110	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	1800	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	12	mg/kg	1
Copper	EPA 3050B	EPA 6010B	80	mg/kg	1
Lead	EPA 3050B	EPA 6010B	57	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	2000	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	6.5	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	28	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	100	mg/kg	5
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Mercury	EPA 7471A	EPA 7471A	0.38	mg/kg	0.1

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	Prep Date:	Analysis Date:			
pH	01/30/2002	01/30/2002 EPA 9045	7.7	Units	0.05

Sample#: 20020228-008
Received: 01/29/2002
Type: Soil
I.D.: LFRSB5-5.5-6'

Collector: Client
Method: Submitted By Client
Sampling Date/Time: 01/28/2002 2:40:00 PM

Parameter	Prep/Test Method		Result	Unit	PQL
	Prep Date: 01/29/2002	Analysis Date: 01/29/2002			
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	40
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	40
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	4
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	40
2-Hexanone					

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Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	98	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	101	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	98	Percent	
Prep Date:	**01/30/2002**	**Analysis Date:**	**01/30/2002**		
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	2.9	mg/kg	1
Barium	EPA 3050B	EPA 6010B	110	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	28	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	8.1	mg/kg	1
Copper	EPA 3050B	EPA 6010B	14	mg/kg	1

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Lead	EPA 3050B	EPA 6010B	4.7	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	24	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	44	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	44	mg/kg	5
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
pH	EPA 9045		8.2	Units	0.05

Sample#: 20020228-009
Received: 01/29/2002
Type: Soil
I.D.: LFRSB6-5.5-6'

Collector: Client **Method:** Submitted By Client
Sampling Date/Time: 01/28/2002 3:15:00 PM

Parameter	Prep/Test Method		Result	Unit	PQL
	Prep Date: 01/29/2002	**Analysis Date: 01/29/2002**			
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4

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Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	98	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	103	Percent	

POSITIVE LAB SERVICE

781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

CERTIFICATE OF ANALYSIS

01/31/02

Levine - Fricke
File# 72348
3150 Bristol St. Suite 250
Costa Mesa, CA 92626

002-07164-02
Amer. Banknote Facility

Attn: Craig Lawrence
Phone: (714) 444-0117 **Fax: (714) 444-0117**

4-Bromofluorobenzene	EPA 5030B	EPA 8260B	99	Percent	
	Prep Date: 01/30/2002		**Analysis Date: 01/30/2002**		
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	3.0	mg/kg	1
Barium	EPA 3050B	EPA 6010B	120	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	20	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	9.2	mg/kg	1
Copper	EPA 3050B	EPA 6010B	14	mg/kg	1
Lead	EPA 3050B	EPA 6010B	4.4	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	15	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	46	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	46	mg/kg	5
	Prep Date: 01/30/2002		**Analysis Date: 01/30/2002**		
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1
	Prep Date: 01/30/2002		**Analysis Date: 01/30/2002**		
pH		EPA 9045	8.4	Units	0.05

Sample#: 20020228-010
Received: 01/29/2002
Type: Soil
I.D.: Method Blank

Collector: **Method:**
Sampling Date/Time:

Parameter	Prep/Test Method		Result	Unit	PQL
	Prep Date: 01/29/2002		**Analysis Date: 01/29/2002**		
Dichlorodifluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl chloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichlorofluoromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Acetone	EPA 5030B	EPA 8260B	ND	ug/kg	80
Carbon disulfide	EPA 5030B	EPA 8260B	ND	ug/kg	40
1,1-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Methylene chloride	EPA 5030B	EPA 8260B	ND	ug/kg	20
trans-1,2-dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Vinyl acetate	EPA 5030B	EPA 8260B	ND	ug/kg	40
2,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
cis-1,2-Dichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Butanone	EPA 5030B	EPA 8260B	ND	ug/kg	40

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File# 72348
3150 Bristol St. Suite 250
Costa Mesa, CA 92626

002-07164-02
Amer. Banknote Facility

Attn: Craig Lawrence
Phone: (714) 444-0111 Fax: (714) 444-0117

Bromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chloroform	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Carbon tetrachloride	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Trichloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Dibromomethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromodichloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chloroethylvinyl ether	EPA 5030B	EPA 8260B	ND	ug/kg	40
cis-1,3-Dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Methyl-2-pentanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
trans-1,3-dichloropropene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2-Trichloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Tetrachloroethene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Hexanone	EPA 5030B	EPA 8260B	ND	ug/kg	40
Dibromochloromethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dibromoethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Chlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,1,2,-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
Ethyl benzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Para and Meta Xylenes	EPA 5030B	EPA 8260B	ND	ug/kg	4
o-Xylene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Styrene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromoform	EPA 5030B	EPA 8260B	ND	ug/kg	4
Isopropylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Bromobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,1,2,2-Tetrachloroethane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
N-Propylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
2-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Chlorotoluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3,5-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
tert-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trimethylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
sec-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,3-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
4-Isopropyl toluene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2-Dichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
n-Butylbenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4

POSITIVE LAB SERVICE

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CERTIFICATE OF ANALYSIS

01/31/02

Levine - Fricke
File# 72348
3150 Bristol St. Suite 250
Costa Mesa, CA 92626

002-07164-02
Amer. Banknote Facility

Attn: Craig Lawrence
Phone: (714) 444-0111 **Fax: (714) 444-0117**

1,2-Dibromo-3-chloropropane	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,4-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Hexachlorobutadiene	EPA 5030B	EPA 8260B	ND	ug/kg	4
Naphthalene	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,2,3-Trichlorobenzene	EPA 5030B	EPA 8260B	ND	ug/kg	4
MTBE	EPA 5030B	EPA 8260B	ND	ug/kg	4
1,4-Dioxane	EPA 5030B	EPA 8260B	ND	ug/kg	80
Surrogates	EPA 5030B	EPA 8260B	*		
Dibromofluoromethane	EPA 5030B	EPA 8260B	88	Percent	
Toluene D-8	EPA 5030B	EPA 8260B	99	Percent	
4-Bromofluorobenzene	EPA 5030B	EPA 8260B	98	Percent	
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Antimony	EPA 3050B	EPA 6010B	ND	mg/kg	10
Arsenic	EPA 3050B	EPA 6010B	ND	mg/kg	1
Barium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Beryllium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cadmium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Chromium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Cobalt	EPA 3050B	EPA 6010B	ND	mg/kg	1
Copper	EPA 3050B	EPA 6010B	ND	mg/kg	1
Lead	EPA 3050B	EPA 6010B	ND	mg/kg	0.5
Molybdenum	EPA 3050B	EPA 6010B	ND	mg/kg	5
Nickel	EPA 3050B	EPA 6010B	ND	mg/kg	2
Selenium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Silver	EPA 3050B	EPA 6010B	ND	mg/kg	1
Thallium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Vanadium	EPA 3050B	EPA 6010B	ND	mg/kg	1
Zinc	EPA 3050B	EPA 6010B	ND	mg/kg	5
	Prep Date: 01/30/2002	**Analysis Date: 01/30/2002**			
Mercury	EPA 7471A	EPA 7471A	ND	mg/kg	0.1

Authorized Signature(s)

ND = Not Detected
NA = Not Applicable
PQL = Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Any remaining sample(s) for testing will be disposed of 30 days from receipt date unless notified.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR LEVINE•FRICKE
3150 Bristol Street, Suite 250
Costa Mesa, California 92626
(714) 444-0111, Fax (714) 444-0117

PROJECT NO.: 002-07164.02
SECTION NO.: 002
DATE: 1/28/02
SAMPLER'S INITIALS: KLN
SERIAL NO.: 02532
PROJECT NAME: AMER. BANKNOTE FACILITY
SAMPLER (Signature):

	Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHg (EPA 8015M)	TPHcc (EPA 8015M)	VOCs (EPA 8260)*	BTEX / MTBE (8260)	BTEX / MTBE (8021)	Metals (6010/7000)*	Pesticides (EPA 8080/8081)	PCBs (EPA 8080/8082)	CAM METALS	pH	TAT: Standard	TAT: RUSH: 3DAY	TAT: HOLD	REMARKS
1	LFRSB1 - 5.5-6'	1/28/02	0815		1	X					X					X	X		V			
2	LFRSB1 - 10.5-11'		0830		1	X					X					X			Y			
3	LFRSB2 - 5.5-6'		0840		1	X					X					X	X		Y			
4	LFRSB2 - 10.5-11'		0900		1	X					X					X			Y			
5	LFRSB2 - 15.5-16'		1025		1	X					X								X			
6	LFRSB3 - 5.5-6'		1140		1	X					X					X	X		X			
7	LFRSB4 - 5.5-6'		1330		1	X					X					X	X		X			
8	LFRSB5 - 5.5-6'		1440		1	X					X					X	X		X			
9	LFRSB6 - 5.5-6'	1/28/02	1515		1	X					X					X	X		X			
10																						
11																						
12																						
13																						
14																						
15																						

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☐ On Ice ☐ Ambient
Cooler Temp:
Cooler No:
Preservative Correct? ☐ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT:
LAB REPORT NO.:
FAX COC CONFIRMATION TO:

RELINQUISHED BY: 1 — (SIGNATURE) (DATE) — (PRINTED NAME) (TIME) — (COMPANY)
RELINQUISHED BY: 2 — (SIGNATURE) (DATE) — (PRINTED NAME) (TIME) — (COMPANY)
RELINQUISHED BY: 3 — (SIGNATURE) (DATE) — (PRINTED NAME) (TIME) — (COMPANY)

ANALYTICAL LABORATORY: POSITIVE
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO:

RECEIVED BY: 1 — (SIGNATURE) (DATE) — (PRINTED NAME) (TIME) — (COMPANY)
RECEIVED BY: 2 — (SIGNATURE) (DATE) — (PRINTED NAME) (TIME) — (COMPANY)
RECEIVED BY (LABORATORY): 3 — (SIGNATURE) (DATE) — (PRINTED NAME) (TIME) — (LABORATORY)

Lab/Shipping Copy (White) File Copy (Yellow) Field Copy (Pink)

FORM NO: 2001/COC/TWT

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

SAMPLE COLLECTOR:
LFR LEVINE • FRICKE
3150 Bristol Street, Suite 250
Costa Mesa, California 92626
(714) 444-0111, Fax (714) 444-0117

PROJECT NO.:	SECTION NO.:	DATE:	SAMPLER'S INITIALS:	SERIAL NO.:
002-06	002	1/28/02		02530

PROJECT NAME: [illegible]
SAMPLER (Signature):

	Sample ID.	Date	Time	Lab Sample No.	No. of Containers	TYPE: Soil	TYPE: Water	TPHd (EPA 8015M)	TPHg (EPA 8015M)	TPHcc (EPA 8015M)	VOCs (EPA 8260)*	BTEX / MTBE (8260)	BTEX / MTBE (8021)	Metals (6010/7000)*	Pesticides (EPA 8080/8081)	PCBs (EPA 8080/8082)	TAT: Standard	TAT: RUSH	TAT: HOLD	REMARKS
1	[illegible]	1/25/02	0815		1	X														
2	[illegible]		0830		1															
3	[illegible]		0840		1															
4	[illegible]		0900		1															
5	[illegible]		1025		1															
6	[illegible]		1110		1															
7	[illegible]		1330		1															
8	[illegible]		1410		1															
9	[illegible]	1/28/02	1515		1															
10																				
11																				
12																				
13																				
14																				
15																				

SAMPLE RECEIPT: ☐ Intact ☒ Cold ☒ On Ice ☐ Ambient
Cooler Temp:
Cooler No:
Preservative Correct? ☒ Yes ☐ No ☐ N/A

METHOD OF SHIPMENT:
LAB REPORT NO:
FAX COC CONFIRMATION TO:

ANALYTICAL LABORATORY: POSITIVE
FAX RESULTS TO:
SEND HARDCOPY TO:
SEND EDD TO:

RELINQUISHED BY: 1	RELINQUISHED BY: 2	RELINQUISHED BY: 3
(SIGNATURE) (DATE)	(SIGNATURE) 1/28/02 (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY: 1	**RECEIVED BY: 2**	**RECEIVED BY (LABORATORY): 3**
(SIGNATURE) (DATE)	(SIGNATURE) (DATE)	(SIGNATURE) (DATE)
(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)	(PRINTED NAME) (TIME)
(COMPANY)	(COMPANY)	(LABORATORY)

Lab/Shipping Copy (White) File Copy (Yellow) Field Copy (Pink) FORM NO: 2001/COC/TWT