LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT for the Harbor Bay Landing Shopping Center 883 Island Drive Alameda, CA 94502

Prepared For:

The RREEF Funds
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Project No. 4209.067

Hygienetics Environmental

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ENVIRONMENTAL SITE ASSESSMENT
for the
Harbor Bay Landing Shopping Center
883 Island Drive
Alameda, CA 94502

January 15, 1999

Submitted By:

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EXECUTIVE SUMMARY

On November 23, 1998, Hygienetics Environmental Services, Inc. (Hygienetics) conducted a limited Phase II Environmental Assessment (ESA) involving the installation of four soil borings (SB-1 through SB-4) in and around the Red Hanger Dry Kleaners in the Harbor Bay Landing Shopping Center at 883E Island Drive in Alameda, California. Borings were advanced to 10.0 feet below ground surface (bgs), using a Cart Mounted DA-1 (Difficult Access) direct-push (DP) drilling rig. SB-1 was installed in the dry cleaner, approximately 3.0 feet north of the dry cleaning machine. SB-2 was installed approximately 40.0 feet southwest of the dry cleaner's rear entrance. SB-3 was installed approximately 48.0 feet northwest of the dry cleaner's rear entrance and adjacent to the sanitary sewer line clean out. SB-4 was installed approximately 32.0 feet east of the dry cleaner's front entrance. The sanitary sewer line is approximately 40.0 feet in the rear and north of the building.

Soil and groundwater analyses from samples collected from soil borings indicated that volatile organic compounds (VOCs) had not impacted the site's soil. Shallow groundwater in the vicinity of the dry cleaning machine had been impacted by tetrachloroethene (PCE) and related VOC degradation products. However, PCE was below California Department of Health Services (DHS) drinking water maximum contaminant level (MCLs) guideline of 5.0 parts per billion (ppb).

Hygienetics personnel also reviewed previous investigation reports at the Alameda County Health Care Services Agency (ACHCSA) offices. In November 1993 and May and June 1994, Applied Geosciences, Inc. (AGI) conducted subsurface soil vapor, soil and groundwater investigations with concurrence from the ACHCSA and the San Francisco Bay Region of the Regional Water Quality Control Board (RWQCB). In July 1994, AGI removed PCE contaminated soil in and around the dry cleaners floor drain and appurtenant piping. Based on these investigations and the soil remediation, in August 1994, the ACHCSA granted site closure with no further work required.

Based on the previous and current site investigations, Hygienetics recommends no further subsurface environmental investigations or remediation for the subject property. The dry cleaner should discontinue using chlorinated solvents or a secondary steel containment barrier should be installed beneath the dry cleaning machine.

1.0 PURPOSE AND SCOPE

Hygienetics Environmental Services, Inc. (Hygienetics) conducted a limited Phase II Environmental Site Assessment (ESA) in and around the Red Hanger Kleaners in the Harbor Bay Landing Shopping Center at 883E Island Drive in Alameda, California.

The purpose of this investigation was to determine if tetrachloroethene (PCE) usage from the on-site dry cleaner had impacted subsurface soil and/or groundwater. PCE is a dry cleaning solvent used at other dry cleaning facilities in which contaminated soil and groundwater has been identified (Izzo, 1992). Therefore, for such facilities, a subsurface investigation is prudent for appropriate due diligence.

The terms "hazardous materials," "hazardous wastes," and "hazardous substances" are defined by the U. S. Environmental Protection Agency (USEPA) Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) 42 U.S. Code (USC) Section 9602, the Resource Conservation and Recovery Act (RCRA) 42 USC Section 9621, Subpart C, and California Code of Regulations (CCR) Title 22, Section 66262.11.

The limited Phase II ESA services provided herein includes the documentation, summary, conclusions, and recommendations from soil collection and laboratory analysis related to the presence of an on-site dry cleaner.

2.0 SITE SETTING

2.1 Site Location

The Harbor Bay Landing Shopping Center is at the northwest intersection of Mecartney Road and Island Drive in Alameda, California; it contains 55 stores and/or suites. The Red Hanger Kleaners in Suite 883E, contains an older dry cleaning machine without a steel secondary containment barrier, that uses PCE.

2.2 Site History

Red Hanger Kleaners has continuously operated as a dry cleaner for approximately 18 years. During 1993 and 1994, the Red Hanger Kleaners was subject to a series of site characterizations and investigations. In October 1983, PES Environmental Services, Inc. of Santa Clara, California, conducted a Phase I ESA of the Harbor Bay Landing Shopping Center. Although, there was no visual evidence of PCE contamination, the Phase I ESA report recommended further site characterization to determine if PCE had impacted the subject site's soil or groundwater.

Applied Geosciences Inc. (AGI), was contracted to conduct a subsurface investigation of the Red Hanger Kleaners. In November 1993, AGI advanced four soil borings in areas possibly impacted by a PCE release. Borings were advance to approximately 9.5 feet bgs. Soil and groundwater samples were collected from the borings and analyzed for volatile organic compounds (VOCs). PCE concentrations were highest near the floor drain. The boring B-1 soil sample concentrations ranged from 10.0 parts per billion (ppb) to 34.0 ppb PCE. Groundwater collected from boring B-1 contained 5.5 ppb PCE, 9.0 ppb trichloroethene (TCE), and 19 ppb cis-1,2 dichlorethene (cis-1,2 DCE). AGI's report concluded that a release probably occurred near the floor drain inside the dry cleaner, and that only the area near the floor drain was impacted. TCE and cis-1,2- DCE are PCE anaerobic degradation products, suggesting that a spill or spills probably occurred several years prior to the subsurface investigation. PCE, TCE, and cis-1,2-DCE were below remedial action levels. AGI recommended that the property owner consult with legal counsel concerning any on-site contamination issues.

In April 1994, AGI conducted a further site characterization at the Red Hanger Kleaners with a soil vapor survey in which soil vapor was collected at 4.0 feet bgs from nine locations. PCE in soil vapor ranged from below method detection limits or not detected (ND) to 5.5 ppb (by volume). Nine soil samples were also collected from the soil borings. PCE concentrations ranged from ND to 14.0 ppb. AGI's report concluded that the PCE concentrations in soil vapor and soil gas were consistent with AGI's December 1993 soil investigation results. AGI recommended that the floor drain inside Red Hanger Kleaners be removed with the surrounding PCE contaminated soil.

On May 26, 1994, the property owner, representatives from the Alameda County Health Care Services Agency (ACHCSA), the San Francisco Bay Region of the Regional Water Quality Control Board (RWQCB), and AGI met to formulate an acceptable cleanup plan to address the PCE contamination issues at Red Hanger Kleaners. A consensus was reached: the floor drain and appurtenant subsurface piping would be removed and the surrounding soil would be sampled for VOCs and removed if contaminated with PCE. On July 14, 1994, a project work plan was submitted by AGI to the ACHCSA and RWQCB; they

approved the work plan on July 21, 1994 (AGI, 1994b).

On July 24, 1994, AGI removed the floor drain and appurtenant piping. Soil was excavated to 1.25 feet bgs. The sewer line that had drained the floor drain was capped. Soil samples were collected at 1.25 feet bgs and 3.5 feet bgs; samples were analyzed for VOCs. PCE at 1.25 feet and 3.5 feet bgs was 14.0 ppb and 6.0 ppb, respectively. AGI's August 15, 1994 report concluded that although small quantities of PCE were present in the soil at Red Hanger Kleaners, the contaminant source (F-1) had been removed. The report recommended no further site characterization and that an application for site closure be submitted to the ACHCSA (AGI, 1994c). On August 23, 1994, Ms. Madhulla Logan of the ACHCSA concurred and granted site closure (ACHCSA, 1994).

3.0 SUBSURFACE INVESTIGATION

3.1 Health and Safety Plan

Hygienetics prepared a site-specific Health and Safety Plan prior to conducting fieldwork. The Health and Safety Plan was designed to minimize exposure of Hygienetics and subcontractor personnel to potentially hazardous substances that might be encountered during the subsurface investigation.

3.2 Utility Line Clearance

On November 18, 1998, Norcal Geophysical Consultants, Inc. (Norcal) cleared the proposed boring locations with a subsurface utility survey. Prior to on site drilling, the proposed soil borings were marked with white paint. Underground Service Alert (USA) was notified at least 48 hours prior to drilling to identify adjacent public utilities. The USA permit number 310539 was valid through December 2, 1998. Based on Norcal's and USA's surveys, no subsurface utilities were below the proposed boring locations.

3.3 Field Activities

For the limited Phase II ESA, Hygienetics personnel were allowed access to inspect the facility and to drill through the concrete pad adjacent and north of the dry cleaning machine. On November 23, 1998, Hygienetics supervised the installation of four soil borings (SB-1 through SB-4) that were advanced to 10.0 feet bgs using a cart-mounted DA-1 (Difficult Access) direct-push (DP) drilling rig. SB-1 was installed in the dry cleaner approximately 3.0 feet north of the dry cleaning machine. SB-2 was installed approximately 40.0 feet southwest of the rear of the dry cleaner. SB-3 was installed approximately 48.0 feet northwest of the rear of the dry cleaner adjacent to the sanitary sewer line clean out. SB-4 was installed approximately 32.0 feet east of the front of the dry cleaner. The sanitary sewer line is approximately 40.0 feet in the rear and north of the building.

Four soil borings SB-1 through SB-4 were advanced to approximately 10.0 feet bgs. Soil samples were collected at 2.0 feet to 10.0 feet bgs in each of the four soil boring. Groundwater was sampled at 10.0 feet bgs from SB-1.

Based on the field observations and classification from the three soil borings, the subject site's soil consists of dark gray (5 Y 3/1) silty clay (CL) to dark gray (5 Y 4/1) clay (OH) with sands (SW) from just beneath the paved surface to approximately 10.0 feet bgs.

Groundwater was encountered in soil boring SB-1. Only SB-1 had free flowing water, and as such, one groundwater sample was collected from boring SB-1. No free flowing groundwater was found in boring SB-2 through SB-4 although the soil was saturated at 7.0 to 8.0 feet bgs. Saturated soil samples were submitted in lieu of a groundwater sample.

Field boring logs, and field procedures for the DP drilling rig are in Appendix A.

3.4 Laboratory Analyses

Site soil and groundwater samples were immediately placed in a cooler with bagged ice. Collected samples were submitted, for analyses, to Chromalab, Inc. in Pleasanton, California, a California Department of Health Services (DHS) accredited environmental laboratory. Samples were analyzed for VOCs using USEPA Method 8240 (reported as 8010). Soil and groundwater sample analyses are summarized in Tables 1 and 2. Excess soil sample cuttings and equipment rinsate water were analyzed for total extractable petroleum hydrocarbons (TEPH), VOCs, and Leaking Underground Fuel Tank (LUFT) Manual metals. These were required for proper disposal. Analytical results are summarized in Tables 3 and 4. Copies of the DHS certified laboratory report and chain-of-custody are in Appendix B.

4.0 DISCUSSION

Based on the previous AGI investigations and remediation, the ACHCSA, indicated that no further investigations or work would be required (ACHCSA, 1994).

For this investigation, no VOCs were detected in on site soils. The groundwater sample collected from soil boring SB-1 (just adjacent and north of the dry cleaning machine), indicated that groundwater (at approximately 10.0 feet bgs) contained residual VOCs as 2.9 ppb PCE, 3.4 ppb trans-1, 2 dichloroethene (trans 1,2-DCE), and 12.0 ppb cis-1,2 dichloroethene (cis-1, 2-DCE). This confirmed previous investigations that, at some time in the past, PCE or waste PCE had been spilled or poured into the drain in the vicinity of the dry cleaning machine.

PCE in groundwater was below the current California Department of Health Services (DHS) drinking water maximum contaminant level (MCL) of 5.0 ppb. Cis-1,2 DCE exceeded the MCL of 6 ppb. However, because the major mass of PCE contaminated soil had been removed, both PCE and cis-1,2 DCE should continue to degrade over time. MCLs are used by the regulatory agencies as guidelines for potential remediation.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

(1) A previous subsurface investigation required removal of a floor drain, piping, and associated PCE contaminated soil in the dry cleaner. The appropriate regulatory agencies took no further action and required no additional work.

(2) No VOCs were detected in the subject site's soils during the limited Phase II ESA.

(3) PCE was detected in groundwater, but below the current DHS MCL. Only one VOC (cis-1,2 DCE) was detected in groundwater just above the current DHS MCL; however, cis-1,2DCE is a degradation product of PCE. PCE and cis-1,2 DCE are present as residual contaminants only and will degrade over time.

5.2 Recommendations

(1) The dry cleaner should discontinue using PCE or a metal (steel) secondary containment barrier should be installed below the dry cleaning machine.

(2) No further environmental investigations or remediation are required or recommended.

Limitations to this project are in Appendix C.

6.0 REFERENCES CITED

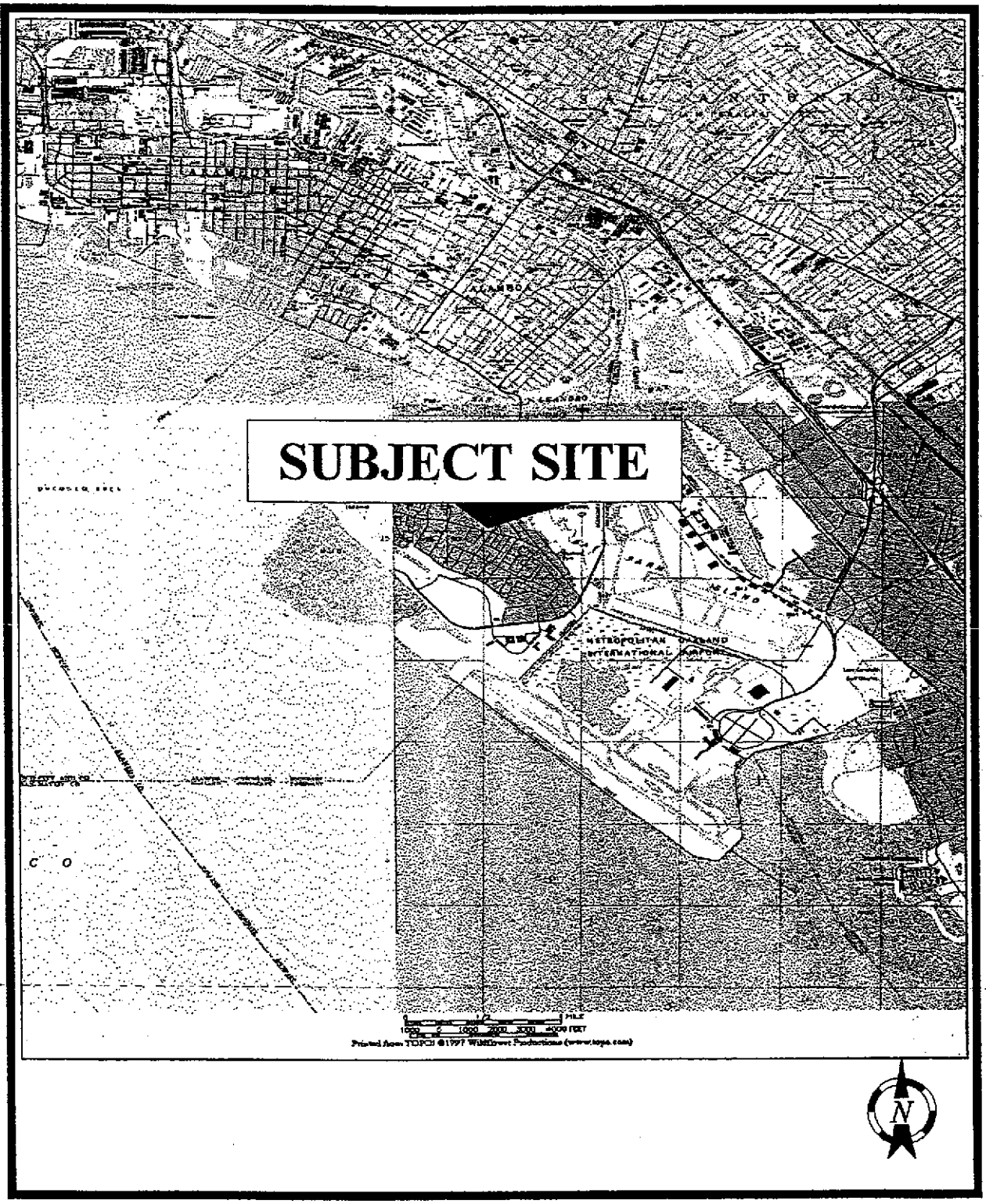
Alameda County Health Care Services Agency (ACHCSA), 1994, *Harbor Bay Landing Shopping Center, Alameda, CA*: Letter to Kemper Real Estate Management, 2p.

Applied Geosciences, Inc. (AGI), 1994a, *Subsurface Investigation Results, Harbor Bay Landing Shopping Center, Alameda, California*: Letter to ACHCSA, 3 p.

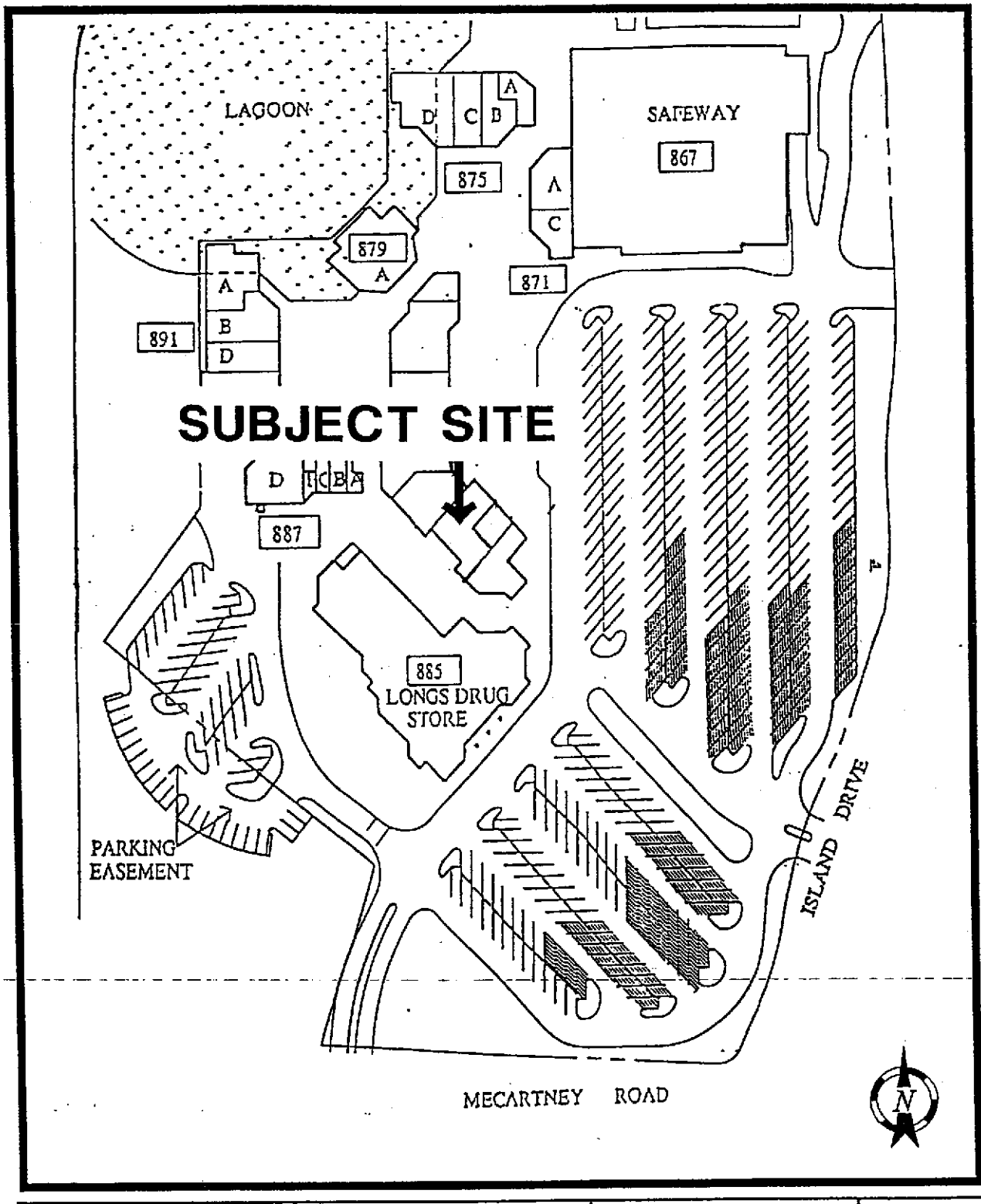
Applied Geosciences, Inc. (AGI), 1994b, *Confirmation of Understanding with Respect to Approval of the Workplan for the Closure of a Floor Drain and Appurtenant Subsurface Piping, Alameda Red Hanger Kleaners, Harbor Bay Landing Shopping Center, Alameda, California*: Letter to ACHCSA, 2 p.

Applied Geosciences, Inc (AGI), 1994a, *Closure of a Floor Drain and Appurtenant Subsurface Piping, Alameda Red Hanger Kleaners, Harbor Bay Landing Shopping Center, Alameda, California.*

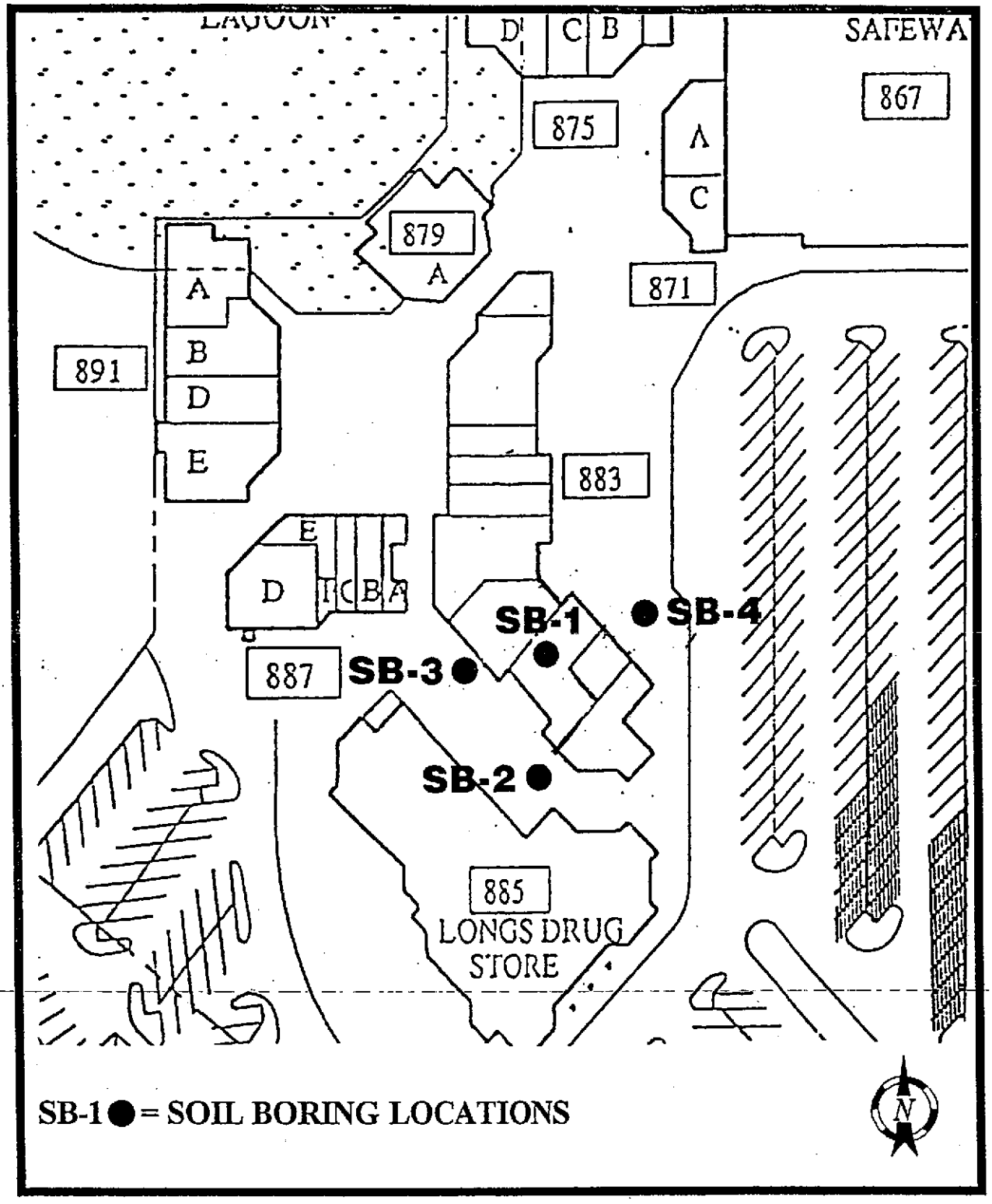
Izzo, V.J., 1992, *Dry Cleaners – A Major Source of PCE in Ground Water*: Regional Water Quality Control Board – Central Valley Region, Sacramento, CA, 23 p.



Harbor Bay Landing Shopping Center 883 Island Drive (Red Hanger Kleaners)	**Hygienetics Environmental** 7677 Oakport Street, Suite 1150 Oakland, California 94621	**Topographic Map** PROJECT NO. 4209.067 / DRAWN BY SRH REPORT DATE December 1998	1:24,000 FIGURE NO. 1



Harbor Bay Landing Shopping Center 883 Island Drive (Red Hanger Kleaners)	**Hygienetics Environmental** 7677 Oakport Street, Suite 1150 Oakland, California 94621	**SITE MAP** PROJECT NO. 4209.067 / DRAWN BY SRH REPORT DATE December 1998	Not to Scale FIGURE NO. 2



Harbor Bay Landing Shopping Center 883 Island Drive (Red Hanger Kleaners)	**Hygienetics Environmental** 7677 Oakport Street, Suite 1150 Oakland, California 94621	**Soil Boring Locations** PROJECT NO. 4209.067 / DRAWN BY SRH REPORT DATE December 1998	Not to Scale FIGURE NO. 3

Table 1: Summary of Soil Sample Analyses
Red Hanger Kleaners
883E Harbor Bay Landing
Alameda, CA

Sample Number	Soil Boring No.	Depth bgs (feet)	Detected VOC (ppb)
981123-0910	SB-1	2.0	ND
981123-0925	SB-1	10.0	ND
981123-1055	SB-3	2.0	ND
981123-1105	SB-3	10.0	ND
981123-1115	SB-2	2.0	ND
981123-1145	SB-2	10.0	ND
981123-1315	SB-4	2.0	ND
981123-1340	SB-4	10.0	ND

Table 2: Summary of Groundwater Sample Analysis
Red Hanger Kleaners
883E Harbor Bay Landing
Alameda, CA

Sample Number	Soil Boring Number	Depth bgs (feet)	Detected VOC	Detection Limit (ppb)	MCL (ppb)
970811-0945	SB-1	10.0	PCE: 2.9	0.50	5.0
			cis 1,2-DCE: 12.0	0.50	6.0
			trans 1,2-DCE: 3.4	0.50	10.0

Notes for Tables 1 and 2:
Samples Collected on November 23, 1998 by Hygienetics Environmental Services, Inc. (Hygienetics)
Soil and groundwater samples analyzed by USEPA Method 8240A; groundwater sample analyzed by USEPA Method 8010A/601 by Chromalab, Inc. of Pleasanton, California.
Soil sample analyses reported as micrograms per kilograms (µg/kg) or parts per billion (ppb); groundwater sample analysis reported in micrograms per liters (µg/L) or ppb
bgs = below ground surface.
ND = not detected above method detection limit.
MCL = California Department of Health Services (DHS) maximum contaminant level for drinking water.
cis 1,2-DCE = cis-1, 2 dichloroethene
PCE = tetrachloroethene.
trans 1,2-DCE = trans-1,2-dichloroethene
VOC = volatile organic compound.

Table 3: Summary of Total Extractable Petroleum Hydrocarbon (TEPH) and VOC Analyses for Soil Cuttings and Rinsate Samples

Sample Number	Sample Location	Sample Type	TEPH		VOC
			Diesel (ppb)	Motor Oil (ppb)	
981123-1500	Cuttings	Soil	ND	ND	ND
Detection Limit		Soil	1.0	50.0	*
981123-1445	Rinsate	Water	150	ND	ND
Detection Limit		Water	50.0	500	*

Table 4: Summary of LUFT Metals Analysis for Soil Cuttings and Rinsate Samples

Sample Number	Sample Location	Sample Type	Metals (ppb)	Detection Limit (ppb)
981123-1500	Cuttings	Soil	Cadmium: 0.0036 Chromium : 0.12 Lead 0.042 Nickel 0.099 Zinc 0.30	0.0020 0.0050 0.0050 0.0050 0.010
981123-1500	Rinsate	Water	Cadmium: ND Chromium: 18 Lead: 1.9 Nickel: 20 Zinc: 18	0.50 1.0 1.0 1.0 1.0

Notes for Tables 3 and 4:
Samples Collected on November 23, 1998 by Hygienetics Environmental Services, Inc. (Hygienetics).
TEPH in soil cuttings and rinsate water analyzed by USEPA Method 8015M . LUFT metals in soil cuttings and rinsate water analyzed by USEPA Method 3010A/ 3050A/ 6010A. Samples analyzed by Cromalab, Inc. of Pleasanton, California.
Soil sample analyses reported as micrograms per kilograms (µg/kg) or parts per billion (ppb); groundwater sample analysis reported in micrograms per liters (µg/L) or ppb.
ND = Not detected above method detection limit.
* = detection limit depends on individual analyte. See certified laboratory data sheets for each analyte.

APPENDIX A:

FIELD PROCEDURES AND BORING LOGS

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APPENDIX A

FIELD PROCEDURES

DIRECT PUSH (DP) AND SOIL SAMPLING PROCEDURES

1. Prior to use, DP sample tubes were washed using a bristle brush with a nonphosphate laboratory detergent solution, followed by two tap water rinses and a de-ionized water rinse.

2. Soil samples were collected in continuous 4.0-foot brass or stainless steel sleeves from just below the pavement surface to the end of the boring at approximately 15 feet below the ground surface (bgs). The borings were discontinued in the saturated zone.

3. Immediately after sample collection, sample tubes ends were capped with Teflon and plastic end caps.

4. Samples were labeled with a unique sample number, date, project number, and sampler's name, placed in an ice chest with bagged ice for transport to a California Department of Health Services (DHS) accredited laboratory.

5. Upon completion, borings were backfilled with neat Portland cement to the surface and then capped with cold patch asphalt (if required). The boring inside of the dry cleaner was capped with concrete and then paved flush with the existing surface.

SAMPLE HANDLING AND TRANSPORT

1. Samples retained for chemical analyses were placed in Ziploc bags and stored in an ice chest cooled with bagged ice.

2. The samples were delivered to the laboratory within 24 hours of collection. Sample handling, transport, and delivery to the laboratory were documented using a chain-of-custody.

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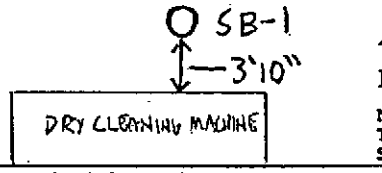
Boring Log No: SB-1

Location of boring:



Project Name: HARBOR BAY LANDING
Project Number: 4209.067
Project Manager: DR. MOTZER
Drilling Contractor: PRECISION
Driller Name: JOSE
Drill Rig Type: DA-1
Start Time: 0700
Complete Time: 1600
Casing Depth: N/A
Water Depth: N/A
Backfilled Time: 1600

Total Depth: 10' Page: 1 of 1
Diameter: 1"
Logged By: SHAWN HOLLE
Inspector: N/A
Date: Time:
Date: 11/23/98
Date: 11/23/98
Drawn By: SHAWN HOLLE
File:
Date: 11/23/98 By: PRECISION

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/ Rec.	Type	P.I.D. (ppm)	BPF	ID #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						0			LINOLEUM / CONCRETE LAYER (3") / PLASTIC SHEETING
	75%					1		CL	VERY DARK GRAY (5Y 3/1) DENSE CLAY, STIFF,
						2			DRY
						3		SW	DARK GRAYISH BROWN (10YR 4/2) LOOSE SAND,
						4			SLIGHTLY MOIST
	80%					5		SW	OLIVE GRAY (5Y 4/2) LOOSE SAND, MOIST
						6			MEDIUM TO FINE SANDS, BIOTIL ODOR ENCOUNTERED
						7			SHELL FRAGMENTS, PLANT MATERIALS OBSERVED
	40%					8			(WATER ENCOUNTERED AT 8.0 FEET BGS)
						9			
					9811230925	10		OH	DARK GRAY (5Y 4/1) ORGANIC CLAY, HIGH
						11			PLASTICITY, DENSE AND MOIST, STRONG
						12			BIOTIL ODOR ENCOUNTERED, PLANT FRAGMENTS
						13			AND SHELL FRAGMENTS OBSERVED
						14			
						15			
						16			
						17			
						18			
						19			
						20			

Notes: DIFFICULT ACCESS REQUIRED PROLONGED SET UP TIME

PROPORTIONS USED		COHESIONLESS DENSITY 140 lb. wt. X 30" fall on 2" O.D. sampler		COHESIVE CONSISTENCY		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

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Boring Log No: SB-2

Location of boring: LANDSCAPED AREA; O SB-2; BUILDING; N; NOT TO SCALE

Project Name: HARBOR BAY LANDING
Project Number: 4209.067
Project Manager: DR. MOTZER
Drilling Contractor: PRECISION
Driller Name: JOSE
Drill Rig Type: DA-1
Start Time: 0700
Complete Time: 1600
Casing Depth: N/A
Water Depth: N/A
Backfilled Time: 1600

Total Depth: 10' Page: 1 of 1
Diameter: 1"
Logged By: SHAWN HOLLE
Inspector:
Date: N/A Time:
Date: 11/23/98
Date: 11/23/98
Drawn By: SHAWN HOLLE
File:
Date: 11/23/98 By: PRECISION

Sample Information: Depth Interval	Pen/Rec.	Type	P.I.D. (ppm)	BPF	ID #	Depth (feet)	Graphic Log	USCS	Soil Identification: Remarks include color, gradation, type of soil/rock, (visual % order: gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						0			BRICKS + CONCRETE PAD
						1		SW	OLIVE GRAY (5Y 5/3) MEDIUM TO FINE
	60%				981123	2			SANDS, SLIGHTLY MOIST, NO ODOR
						3			
						4		SW	OLIVE GRAY (5Y 4/2) MOIST SAND WITH
						5			SHELL FRAGMENTS AN BIOTIL MATTER, SLIGHT
	75%					6			ODOR (BIOTIL) ENCOUNTERED
						7			
						8		OH	DARK GRAY (5Y 4/1) ORGANIC CLAY, HIGH
	90%					9			PLASTICITY, DENSE, MOIST, STRONG BIOTIL ODOR
					981123	10			PLANT & SHELL FRAGMENTS OBSERVED.
						11			
						12			
						13			
						14			
						15			
						16			
						17			
						18			
						19			
						20			

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

Hygienetics Environmental

Boring Log No: SB-

Location of boring:	Project Name: HARBOR BAY LANDING Project Number: 4209.067 Project Manager: DR. MOTZER
	Drilling Contractor: PRECISION Driller Name: JOSE Drill Rig Type: DA-1
↑ N NOT TO SCALE	Start Time: 0700 Complete Time: 1600
	Casing Depth: N/A Water Depth: N/A
	Backfilled Time: 1600

Total Depth: 10' Page: 1 of 1 Diameter: 1"	
Logged By: SHAWN HOLLE	
Inspector: N/A Date: Time:	
Date: 11/23/98 Date: 11/23/98	
Drawn By: SHAWN HOLLE File: 4209.067	
Date: 11/23/98 By: PRECISION	

Sample Information: Depth Interval	Pen / Rec.	Type	P.I.D. (ppm)	BPF	ID #	Depth (feet)	Graphic Log	USCS	Soil Identification: Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						0		-	BRICKS + CONCRETE PAD
						1		SW	OLIVE BROWN (2.5Y 4/3) FINE TO MEDIUM
	30%				981123	2			SAND. SHELL FRAGMENTS OBSERVED
						3			
						4		SW	GRAY (2.5Y 5/1) FINE TO MEDIUM
						5			SAND, SHELL FRAGMENTS, PLANT MATERIAL OBSERVED
	60%					6			IN STRATA. STRONG BIOTIC ODOR NOTED.
						7		OH	DARK GRAY (5Y 4/1) ORGANIC CLAY, HIGH
						8			PLASTICITY, DENSE, MOIST, STRONG BIOTIC
	95%					9			ODOR PLANT AND SHELL FRAGMENTS OBSERVED
					981123	10			IN STRATA
						11			
						12			
						13			
						14			
						15			
						16			
						17			
						18			
						19			
						20			

Notes:

PROPORTIONS USED		COHESIONLESS DENSITY (140 lb. wt. X 30" fall on 2" O.D. sampler)		COHESIVE CONSISTENCY		GRAPHIC LEGEND	
Trace	0 % to 10%	0 to 4	very loose	0 to 2	very soft		gravel
Little	10% to 20%	4 to 10	loose	2 to 4	soft		sand
Some	20% to 35%	10 to 30	med. dense	4 to 8	med. soft		silt
And	35% to 50%	30 to 50	dense	8 to 15	stiff		clay
		50+	very dense	15 to 30	very stiff		
				30+	hard		

Hygienetics Environmental

Boring Log No: SB-1

Location of boring:

N

NOT TO SCALE

Project Name: HARBOR BAY LANDING
Project Number: 4209.067
Project Manager: DR. MOTZER
Drilling Contractor: PRECISION
Driller Name: JOSE
Drill Rig Type: DA-1
Start Time: 0700
Complete Time: 1600
Casing Depth: N/A
Water Depth: N/A
Backfilled Time: 1600

Total Depth: 10' Page: 1 of 1
Diameter: 1"
Logged By: SHAWN HOLLS
Inspector: N/A
Date: Time:
Date: 11/23/98
Date: 11/23/98
Drawn By: SHAWN HOLLS
File:
Date: 11/23/98 By: PRECISION

Sample Information						Depth (feet)	Graphic Log	USCS	Soil Identification
Depth Interval	Pen/Rec.	Type	P.I.D. (ppm)	BPF	I.D #				Remarks include color, gradation, type of soil/rock, (visual % order : gravel, sand, silt, clay) condition, particle size, moisture, odor, hardness, etc.
						0			GRASS: LANDSCAPED LAWN, FILL DIRT
						1			WITH SMALL CLASTS OBSERVED
	70%				981123	2		SW	LIGHT YELLOWISH BROWN (10YR 6/4) FINE
						3			TO MEDIUM SANDS, NO ODOR
						4		SW	BROWNISH YELLOW (10YR 6/5) FINE TO
						5			MEDIUM SAND, MOIST, NO ODOR
	80%					6		SW	OLIVE BROWN (2.5Y 4/4) MEDIUM TO FINE
						7			SAND WITH STRONG BIOTIC ODOR ENCOUNTERED
						8			
	85%					9		OH	DARK GRAY (5Y 4/1) ORGANIC CLAY, HIGH
					981123	10			PLASTICITY, DENSE. MOIST, STRONG BIOTIC ODOR NOTED
						11			
						12			
						13			
						14			
						15			
						16			
						17			
						18			
						19			
						20			

Notes:

PROPORTIONS USED	
Trace	0 % to 10%
Little	10% to 20%
Some	20% to 35%
And	35% to 50%

COHESIONLESS DENSITY 140 lb. wt. X 30" fall on 2" O.D. sampler	
0 to 4	very loose
4 to 10	loose
10 to 30	med. dense
30 to 50	dense
50+	very dense

COHESIVE CONSISTENCY	
0 to 2	very soft
2 to 4	soft
4 to 8	med. soft
8 to 15	stiff
15 to 30	very stiff
30+	hard

GRAPHIC LEGEND	
	gravel
	sand
	silt
	clay

APPENDIX B:

LABORATORY ANALYSIS REPORT
AND
CHAIN-OF-CUSTODY

Hygienetics Environmental

CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811230910**
Spl#: 217843 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Analyst

Michael Verona
Operations Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811230925**
Spl#: 217844 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

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CHROMALAB, INC.

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December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811231115**
Spl#: 217845 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

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CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811231145**
Spl#: 217846 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16232 *Analyzed:* November 30, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	103	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	95.6	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	97.5	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
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CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: 9811231055
Spl#: 217847 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Analyst

Michael Verona
Operations Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: 9811231105
Spl#: 217848 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Analyst

Michael Verona
Operations Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811231340**
Spl#: 217850 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

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CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811231500**
Spl#: 217852 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

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Analyst

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CHROMALAB, INC.

Environmental Services (SDB)

December 4, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL

Atten: Bill Motzer

Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: **9811230955**
Spl#: 217853 *Matrix:* WATER
Sampled: November 23, 1998 *Run#:* 16294 *Analyzed:* December 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	92.0	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	3.4	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	12	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	99.0	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	2.9	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	87.0	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Analyst

Michael Verona
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

December 7, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL

Atten: Bill Motzer

Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998

re: 1 sample for TEPH analysis.
Method: *EPA 8015M*

Matrix: WATER *Extracted:* December 1, 1998
Sampled: November 23, 1998 *Run#:* 16230 *Analyzed:* December 6, 1998

Spl#	CLIENT SPL ID	Diesel (ug/L)	Motor Oil (ug/L)
217851	9811231445	150	N.D.

Note: Hydrocarbons found do not match the pattern of our diesel standard.

Reporting Limits	50	500
Blank Result	N.D.	N.D.
Blank Spike Result (%)	94.0	--

Carolyn House
Analyst

Bruce Havlik
Analyst

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CHROMALAB, INC.

Environmental Services (SDB)

December 7, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL

Atten: Bill Motzer

Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998

re: 1 sample for TEPH analysis.
Method: *EPA 8015M*

Matrix: SOIL *Extracted:* November 30, 1998
Sampled: November 23, 1998 *Run#:* 16208 *Analyzed:* December 6, 1998

Spl# CLIENT SPL ID	Diesel (mg/Kg)	Motor Oil (mg/Kg)
217852 9811231500	N.D.	N.D.
Reporting Limits	1.0	50
Blank Result	N.D.	N.D.
Blank Spike Result (%)	83.1	--

Carolyn House
Analyst

Bruce Havlik
Analyst

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CHROMALAB, INC.

Environmental Services (SDB)

December 1, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL
Atten: Bill Motzer
Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *8010 Compounds by Method 8240A Nov 1990*

Client Sample ID: **9811231315**
Spl#: 217849 *Matrix:* SOIL
Sampled: November 23, 1998 *Run#:* 16211 *Analyzed:* November 25, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	96.8	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	99.3	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	100	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Analyst

Michael Verona
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

December 4, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL

Atten: Bill Motzer

Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: **9811231445**
Spl#: 217851 *Matrix:* WATER
Sampled: November 23, 1998 *Run#:* 16294 *Analyzed:* December 3, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	92.0	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	99.0	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	87.0	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Analyst

Michael Verona
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CHROMALAB, INC.

Environmental Services (SDB)

December 4, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL

Atten: Bill Motzer

Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998

re: One sample for Miscellaneous Metals analysis.
Method: *EPA 3010A/3050A/6010A Nov 1990*

Client Sample ID: **9811231445**
Spl#: 217851 *Matrix:* WATER *Extracted:* December 1, 1998
Sampled: November 23, 1998 *Run#:* 16254 *Analyzed:* December 3, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
CADMIUM	0.0036	0.0020	N.D.	99.6	1
CHROMIUM	0.12	0.0050	N.D.	101	1
LEAD	0.042	0.0050	N.D.	103	1
NICKEL	0.099	0.0050	N.D.	102	1
ZINC	0.30	0.010	N.D.	100	1

Christopher Arndt
Analyst

Michael Verona
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

December 4, 1998 *Submission #:* 9811408

HYGIENETICS ENVIRONMENTAL

Atten: Bill Motzer

Project: RED HANGER CLEANERS *Project#:* 4209.067
Received: November 25, 1998

re: One sample for Miscellaneous Metals analysis.
Method: *EPA 3010A/3050A/6010A Nov 1990*

Client Sample ID: **9811231500**
Spl#: 217852 *Matrix:* SOIL *Extracted:* December 1, 1998
Sampled: November 23, 1998 *Run#:* 16228 *Analyzed:* December 1, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
CADMIUM	N.D.	0.50	N.D.	100	1
CHROMIUM	18	1.0	N.D.	103	1
LEAD	1.9	1.0	N.D.	102	1
NICKEL	20	1.0	N.D.	102	1
ZINC	18	1.0	N.D.	101	1

Christopher Arndt
Analyst

Michael Verona
Operations Manager

43338

SF 11302

Hygienetics Environmental

SUBM #: 9811408 REP: GC
CLIENT: HYG
DUE: 12/04/98
REF #:43338

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9811408/217943-53

Chain of Custody

Date 11/23/98 Page 1 of 2

Lab Name CHROMALAB
Address
Telephone 925 484 1919
Samplers (SIGNATURES) [signature]

Analysis Request

Sample Number	Matrix	Location	Halogenated Volatiles 601/8010 / 8020	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080 (mod)	TPH ext 3550/3510/8015	Volatile Compounds GC/MS 624/8240	PAH GC/MS 625/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	TPH Oil & Grease	TPH/BTEX Modified 8015	TCLP- Vol., Semi-Vol. Herbicides, Pesticides	TCLP-Metals	RCRA Metals(8)	Priority Pollutant Metals (13)	Title 22 CAM Metals (17) TTLC/STLC	Flash Point	Corrosivity	Reactivity	Cyanide Total/Amenable 9010	Lead in Drinking Water	Lead Paint Chips	6010 (Lead metals)	3510/8015M (TEPH)			Number of Containers
9811230910	SOIL	SB-1-2	X																										
9811230925	SOIL	SB-1-10	X																										
9811231115	SOIL	SB-2-2	X																										
9811231145	SOIL	SB-2-10	X																										
9811231055	SOIL	SB-3-2	X																										
9811231105	SOIL	SB-3-10	X																										
9811231315	SOIL	SB-4-2	X																										
9811231340	SOIL	SB-4-10	X																										
9811231445	~~SOIL~~ WATER	DRUM RINSATE	X																						X	X			
9811231500	SOIL	DRUM CUTTINGS	X																						X	X			

Project Information	
Project	RED HARBOR CLEANERS
Project Director	BILL MOTZER
Charge Code No.	4209.069
Shipping ID. No.	
Via:	

Sample Receipt	
Total No. of Containers	27
Chain of Custody Seals	
Rec'd Good Condition/Cold	
Conforms to Record	
Lab No.	3.0°C AP; 9 tubes; 12 VOAS; 4 polys; Amber

	1.	2.	3.
Relinquished By (Signature)	[signature]		[signature]
(Time)			1927
(Printed Name)	SHAWN HOLLIS		[illegible] 11/24/98
(Date)	11/24/98		
(Company)	HYGIENETICS		Chromalab
Received By (Signature)	[signature]		Alex Pavis (Laboratory)
(Time)	1355		1930
(Printed Name)	[illegible] 11/24/98		Alex Pavis
(Date)			11/24/98
(Company)	[illegible]		Chromalab (Laboratory)

Special Instructions/Comments:
ROUTINE TURNAROUND TIME

43338

SF 11302

Hygienetics Environmental

Airport Corporate Centre • 7677 Oakport Street, Ste. 1150 • Oakland, CA 94621
(510) 430-2843 • FAX: (510) 430-9268

Chain of Custody

9811408

Date 11/23/98 Page 2 of 2

Lab Name CHROMALAB
Address
Telephone (925) 484-1919
Samplers (SIGNATURES) [signature]

Analysis Request

Sample Number	Matrix	Location	Halogenated Volatiles 601/8010	Aromatic Volatiles 602/8020	Phenols, Sub Phenols 604/8040	Pesticides/PCB 608/8080 (mod)	TPH ext 3550/3510/8015	Volatile Compounds GC/MS 624/8240	PAH GC/MS 625/8270	Total Organic Carbon (TOC) 415/9060	Total Organic Halides (TOX) 9020	TPH Oil & Grease	TPH/BTEX Modified 8015	TCLP- Vol., Semi-Vol. Herbicides, Pesticides	TCLP- Metals	RCRA Metals(8)	Priority Pollutant Metals (13)	Title 22 CAM Metals (17) TTLC/STLC	Flash Point	Corrosivity	Reactivity	Cyanide Total/Amenable 9010	Lead in Drinking Water	Lead Paint Chips	6010 (LUFT Metals)	3510/8015M (TEPH)			Number of Containers
9811230955	WATER	SB-1-GW	X																										

Project Information	
Project	RED HANGER CLEANERS
Project Director	BILL MOTZER
Charge Code No.	4209.067
Shipping ID. No.	
Via:	

Sample Receipt	
Total No. of Containers	27
Chain of Custody Seals	
Rec'd Good Condition/Cold	
Conforms to Record	
Lab No.	

	1.	2.	3.
Relinquished By (Signature)	[signature]		[signature] 1927 (Time)
(Printed Name)	SHAWN HOLLE		[illegible] 11/24/98 (Date)
(Company)	HYGIENETICS 11/24/98 (Date)		Chromalab
Received By (Signature)	[signature] 1355 (Time)		Received By (Laboratory): [signature] 1930 (Time)
(Printed Name)	[illegible] 11/24/98 (Date)		Alex Paredes 11/24/98 (Date)
(Company)	Chromalab		(Laboratory) Chromalab

Special Instructions/Comments:

REGULAR TURNAROUND TIME

CHROMALAB, INC.

Environmental Service (SDB)

Sample Receipt Checklist

Client Name: **HYGIENETICS ENVIRONMENTAL** Date/Time Received: 11/25/98 | 13:5

Reference/Submis: 43338 | 9811408 Received by: BM

Checklist completed by: C Cassidy (Signature) | C Cassidy (Date) Reviewed by: _____ (Initials | Date)

Matrix: Soil/water Carrier name: Client - C/L

Shipping container/cooler in good condition?	Yes ✓	No ___	Not Present ___
Custody seals intact on shipping container/cooler?	Yes ___	No ___	Not Present ✓
Custody seals intact on sample bottles?	Yes ___	No ___	Not Present ✓
Chain of custody present?	Yes ✓	No ___	
Chain of custody signed when relinquished and received?	Yes ✓	No ___	
Chain of custody agrees with sample labels?	Yes ✓	No ___	
Samples in proper container/bottle?	Yes ✓	No ___	
Sample containers intact?	Yes ___	No ✓	
Sufficient sample volume for indicated test?	Yes ✓	No ___	
All samples received within holding time?	Yes ✓	No ___	
Container/Temp Blank temperature in compliance? Temp: 3.2°C	Yes ✓	No ___	
Water - VOA vials have zero headspace? No VOA vials submitted ___	Yes ✓	No ___	
Water - pH acceptable upon receipt? yk Adjusted? ___ Checked by _____ (chemist for VOAs)			

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ **Date contacted:** _____ **Person contacted:** _____

Contacted by: _____ **Regarding:** _____

Comments: One container (1L amber) of 9811231445 broken by courier

Corrective Action: P.M. contacted

APPENDIX C:

LIMITATIONS

Hygienetics Environmental

LIMITATIONS

This report and the information herein contained has been prepared by Hygienetics Environmental Services, Inc. (herein referred to as Hygienetics) for the sole use of RREEF Management Company herein referred to as the Client, or their assigned parties. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedure beyond the scope of described services or the time and budgetary constraints imposed by the Client. The work described in this report was carried out in accordance with the attached Standard Conditions outlined in the proposal/contract.

The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material/waste or petroleum products (herein referred to as oil). No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state or local laws and regulations environmental or otherwise.

In preparing this Report, Hygienetics has relied on certain information provided by observations made by Hygienetics personnel during an onsite inspection and evaluation, personal interviews of the client, tenants, other private parties and consultants; research of available public information found in documents, records and maps provided by federal, state and/or local regulatory agencies, document libraries and utility companies. This is subject to the limitations of historical documentation, as well as the availability and accuracy of pertinent records. Although there have been some degree of overlap in the information provided by these various sources, Hygienetics did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment. The accuracy of property boundaries, addresses, and/or assessor parcel numbers for the subject property or properties examined for the investigations are the responsibility of the Client.

Observations were made of the site and of structures on the site as indicated within the Report. Where access to portions of the site or to structures on the site was unavailable or limited, Hygienetics is unable to render an opinion as to the presence of hazardous material/waste or oil, or to the presence of indirect evidence relating to hazardous material/waste or oil, in that portion of the site or structure. In addition, Hygienetics renders no opinion as to the presence of hazardous material/waste or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces or when access was denied by the property owner, operator or tenant.

The initial site investigation took into account the natural and man made features of the site, including any unusual or suspect phenomenon. These factors, combined with the site's geology, hydrogeology, hydrology, topography, and past and present land uses served as a basis for choosing a methodology and location for subsurface exploration as well as groundwater and subsurface sampling, if done. The subsurface data, if provided, is meant as a representative overview of the site. It is possible that despite the use of reasonable care and interpretation, Hygienetics may not have identified illegally disposed hazardous materials and/or wastes, unreported regulatory violations, the presence of hazardous substances or wastes migrating onto the subject property from off-site sources, and unpermitted, misidentified illegal, or inappropriately abandoned underground tanks, vaults, drums, or other containers or buried impoundments on the subject property and its immediate vicinity.

Unless otherwise specified in the Report, Hygienetics did not conduct surface or subsurface investigation involving the physical collection and analysis of air, soil-vapor, surface- or ground-water, bulk building materials, transformer fluids, and contents of on site tanks, or other containers; nor have any geophysical investigations been conducted.

If a Phase II investigation was conducted, then the conclusions and recommendations contained in this Report are based in part upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Water level readings have been made in the test pits, borings and/or observation wells at the times and under the conditions stated on the test pit or boring logs. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall, time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by Hygienetics, and the conclusions and recommendations presented herein modified accordingly.

Except as noted within the text of the report, no quantitative laboratory testing was preformed as part of the site assessment. Where such analyses have been conducted by an outside laboratory, Hygienetics has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests.

The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been and are contingent upon their validity. These data have been reviewed and interpretations made in the Report. As indicated within the Report, some of these data are preliminary "screening" level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time and other factors. Should additional chemical data become available in the future, these data should be reviewed by Hygienetics and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific parameters during the course of this site assessment, as described in the test. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the site.

Hygienetics assumes no responsibility for the accuracy of information identified or obtained from government records, which may be out of date, incomplete, or otherwise inaccurate. Hygienetics assumes no responsibility for conditions that were not specifically requested and evaluated, events that may have occurred after the site visit such as illegal disposal or accidental spillage of hazardous materials/wastes, or conditions that were not generally recognized as environmentally unacceptable at the date this report was prepared. Hygienetics prepared this report for the Client's exclusive use for this particular project. No other warranties, expressed or implied, as to the professional advice provided are made.

It is recommended that Hygienetics be retained to provide further engineering services during construction and/or implementation of any remedial measures recommended in this report. This is to allow Hygienetics to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.