

# HAGEMAN-SCHANK, INC.

2723 Crow Canyon Rd., Suite 210  
San Ramon, CA 94583  
(415) 837-2926

July 7, 1989  
Ref: J2020-3

Alameda Health Agency  
Department of Environmental Health  
Hazardous Materials Program  
Atten: Mr Rafat A. Shahid

Subject: Subsurface Investigation Proposal  
Adobe Plaza  
3098 Castro Valley Blvd., Castro Valley

Dear Mr. Shahid;

In response to your letter of July 3, 1989 requesting a work plan for the installation of three (3) groundwater monitoring wells at the subject site. I will follow the proposal format as best I can.

## INTRODUCTION

The proposed scope of work involves the installation of three groundwater monitor wells as the result of soil contamination found at the time two (2) underground storage tanks were removed from this site.

The site location is 3098 Castro Valley Blvd., Castro Valley, CA. Prior to July 1988 an automotive carwash was operated on the property which also engaged in the retail selling of gasoline in conjunction with the carwash. In July 1988, the present property owners decided to develop the property to a higher and better use. This would require the demolition of the carwash, including the removal of two underground gasoline storage tanks that were used to retail gasoline to carwash customers. The two underground storage tanks were of single wall steel construction, 10,000 gallon capacity, and stored both unleaded and premium unleaded gasoline.

On July 26, 1988, both the underground tanks and all plumbing attached to the tanks were removed.

The tank removal and/or closure was done under permit from the Alameda County Environmental Health Department and the Castro Valley Fire Department.

Rec'd 7.14.89

July 7, 1989

Ref:2020-3

Page 2

Adobe Asso.

At the time of removal the tanks were carefully inspected for any holes, pitting or signs of deterioration in the the steel; no such evidence was found. The Inspector from the Fire Department and The Environmental Health Departmen's representative were present at the time the tanks were inspected and placed on trucks for disposal. A copy of the Manifest covering the transportation of the tanks to the disposal site is attached and is Exhibit "A". Also copies of the Manifest covering removal of the remaining gasoline in the tanks prior to removal #87600112, Manifest #87600123 covering the removal of water from the bottom of the excavation. Also attached is a copy of the unauthorized release form filed at the completion of the tank removal, This shall be Exhibit "B".

There are no records available on any precision tank testing that had been done in the past three years, nor is there any record of inventory reconciliation. The operator of the carwash has left and that information is not available to us.

There is no estimate of the total quantity of product lost. The operator, prior to leaving, indicated his inventory records did not indicate the loss of product from the tanks. based of all available evidence, what soil contamination was found was in the tank backfill material and most likley occured as a result of surface infiltration, i.e. spills that occured during the filling of the underground storage tanks and spills that occured during filling of automobiles at the pump island over a long period of time.

There is no record of any previous leaks or tank removals at this location nor any previous subsurface work on this site. The properties adjacent to the carwash have no record of any leaking tanks or subsurface work.

#### Exisiting Soil Contamination and Excavation Results

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Upon removal of the storage tanks, all the backfill was removed from the excavation to a depth of 11.5'. The first groundwater was encountered at this depth. The backfill material was sand and a spoils pile was created with the material that an apparent gasoline oder. The native soil is a brown clay slightly silty and stiff.

July 7, 1989  
Ref: J2020-3  
Adobe Assoc.  
Page 3

Please find enclosed the laboratory analysis of the four soil samples taken from the bottom of the tank excavation, at each end of both tanks. The Samples are identified as SS-1, SS-2, SS-3, and SS-4. There is also the results of one water sample taken after water intruded the excavation and is identified as WS-1. You will also find the results of four soil samples taken in the spoils pile and composited as one sample; that sample is identified as CS-1. All samples were taken by Robert Weber, Staff Geologist, for Hageman-Schank, Inc.

The certified laboratory that did the analysis was GTEL Environmental Laboratories, a division of Groundwater Technology, Inc.. Copies of the reports and Chains of Custody are enclosed as well as a site plan showing sample locations and tabular results.

During the tank removal process, an engineering firm was doing some boring for geotechnical data at various locations on the site and drilled to groundwater at three locations and water samples were grabbed. Samples were sent to the laboratory for analysis. The samples are identified on the site plan as boring WS-1, WS-2 and WS-3. Copies of the laboratory results and Chain of Custody are enclosed.

After all soil sampling had been done a plan was developed to aerate the approximately 120 cubic yard's of contaminated soil on site. Visquine liner was placed on the nearly two acres of asphalt parking area and the 120 to 140 yards of soil was spread 4" to 6" thick with a plastic cover over the top of the spoils pile until the Bay Area Air Quality people were contacted and permission was granted to air strip on site. ( We were granted permission by Ms. Vickie Bozak and Mr. Kent Booker). The soil was aerated for a period of forty five days, tilled five times during that period of time, then sampled before being put back in the hole. It should be noted that 120 yards of clean engineered backfill was placed in the bottom of the excavation and the aerated soil was used only to backfill to grade. Eight soil samples were taken in grids over the aeration area with one composite sample being analyzed. The report of the soil analysis of aerated soil is identified as CS-1, CS-2, CS-3, CS-4, CS-5, CS-6 CS-7, and CS-8, The chain of Custody is also attached.

July 7, 1989

Ref: J2020-3

Adobe Assoc.

Page 4

\* It should be noted at this time, all soil samples were collected in 2" x 6" brass liners each end of the liner covered with teflon, then plastic caps are placed over each end and taped, then marked with sample number, placed on ice and delivered to the laboratory for analysis.

#### METHOD FOR ANALYSIS

Modified EPA Method 5030/8020/8015, for both soil and and water with results expressed in mg/kg, parts per million. During the aeration process, the excavation as well as the aerated soil were secured with a six foot chain link fence surrounding the site.

### III. PLAN FOR DETERMINING EXTENT OF SOIL CONTAMINATION ON SITE

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At the time of the tank excavation, July 26, 1989, the two 10,000 gallon tanks were removed from the excavation and placed on a truck supplied by H & H Ship Service of San Francisco for transportation to their disposal facility. The backfill material (sand) was then removed from the excavation and a seperate spoils pile was created based on the obvious oder of the backfill material.

Soil samples were then taken in the tank excavation at a depth of 12.5'. Four soil samples were taken at each end of both tanks. The samples were taken in brass liners and prepared for delivery to the laboratory for analysis. The samples were analyzed for TPHG & BTXE. The results on the four soil samples were non- detected for Total Petroleum Hydrocarbons, Benzene, Toluene, Xylenes and Ethyl Benzene. After the soil samples were taken the at bottom of the excavation, water began to migrate into the hole. We removed the water under manifest and we allowed the water to recharge and then took a water sample WS-1. The results were as follows:

TPH	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES
2.0	.032	.12	.052	.32

You will find a copy of the laboratory analysis attached. All samples expressed in mg/l or PPM.

At the same time we took five soil samples of the spoils pile and delivered them to the laboratory for analysis as one composite sample. Again, analysis was made for TPHG, BTXE & the results were as follows:

July 7, 1989  
Ref: J2020-3  
Adobe Assoc.  
Page 5

TPH	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES
630	1.0	17.	65.	11.

All results in mg/l or ppm.

After receiving the results of the composite soil sample analysis and observing how ideal the site was for soil aeration the decision was made to aerate the soil on site. We notified the Bay Area Air Quality Management District for permission to aerate the contaminated soil, we also notified Mr. Larry Seto, Alameda County Environmental Health Department, of our plan.

We proceeded to prepare the soil for aeration. We spread approximately 140 cubic yards over a two acre area. We turned over the soil five times during a one month period and then resampled the spoils. We took eight soil samples and composited them as one and the composite results are as follows:

TPHG	BENZENE	TOLUENE	XYLENES	ETHYL BENZENE
ND	ND	ND	ND	ND

(see laboratory report attached.)

After the soil samples were returned non-detected the soil was returned to the excavation and the hole was backfilled.

Based on all the soil data, sample results and soil aeration, it is our opinion that whatever soil contamination that existed in the excavation has been identified, removed and areated and the soil contamination on this site has been remediated.

July 7, 1989  
Re: J2020-3  
Adobe Assoc.  
Page 6

## SITE DESCRIPTION

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### Vicinity description and Hydrogeologic setting

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The location of the site is shown on the attached vicinity map. The soils beneath the site consist of Quaternary Alluvium overlaying uplifted Cretaceous Marine Deposits that comprise the surrounding San Leandro Hills (Geologic Map of California, San Francisco Sheet, State of California Division of Mines and Geology, 1980). During the borings for the well installations, varying amounts of clay, sand, and gravel can be expected to be encountered.

Based upon the surface topography, as well as the various hydrologic features shown on the vicinity map, the general regional shallow groundwater can be expected to flow from the San Leandro hills to the north and to the east of the site ( areas of groundwater recharge) and move toward San Lorenzo Creek to south of the site (area of discharge). Although the placement of the proposed monitoring wells are based upon this assumption of groundwater flow direction, water level data from the three wells will determine the exact flow direction of the shallow groundwater beneath the sites.

July 7, 1989  
Re: J2020-3  
Adobe Assoc.  
Page 6

SITE DESCRIPTION

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Vicinity description and Hydrogeologic setting

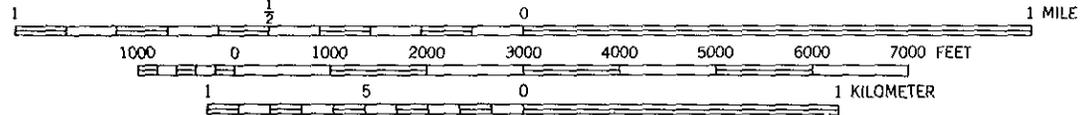
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SCALE 1:24 000



CONTOUR INTERVAL 20 FEET

VICINITY MAP

July 7, 1989  
Ref: J2020-3  
Adobe Assoc.  
Page 7

## PLAN FOR DETERMINING GROUNDWATER CONTAMINATION

### A. Placement of Monitoring Wells

The purpose of the proposed groundwater investigation is to install and sample three on-site monitoring wells in order to 1) determine the direction of shallow groundwater beneath the site, and 2) define the extent of any petroleum constituents that may be present in the shallow groundwater beneath the site.

### B. Monitoring Well Installations

Well installation will begin as soon as possible, following approval by the appropriate regulatory agencies. Each well will be installed with a truck mounted drill rig using 8-inch hollow stem augers. During the drilling, soil samples for chemical analyses will be collected at 5-foot intervals until the shallow water table is encountered at a depth of approximately 12 feet below the ground surface. Each soil sample will be collected by driving a split barrel sampler fitted with clean brass liners. All samples will be immediately placed on ice, then transported under chain of custody to the laboratory following the completion of work.

The well borings will be extended 10 feet below the shallow water table or until a competent clay layer is encountered (a thickness greater than 5 feet). Each well will be cased to approximately five feet above the shallow water table with 2-inch

PVC slotted screen pipe (0.02" slots). The annular space of each well will be packed to one foot above the slotted section with #3 Monterey sand. At least one foot of wetted bentonite pellets will be placed upon the sand pack, followed by a neat cement/bentonite seal up to ground surface. Each well will be fitted with a locking steel traffic lid. The borings will be logged in the field by Gary Aguiar, registered civil engineer #34262. A typical well construction diagram is attached.

Prior to installation of each well, all drilling equipment, including augers, drill stem, and split barrel will be steamed-cleaned on site.

July, 7, 1989  
Ref: J2020-3  
Adobe Assoc.  
Page 8

All Drill cuttings will be drummed and stored on site until the results of laboratory analyses are obtained. Depending upon these results, the cuttings will be disposed of as either a non-hazardous waste, or else as a hazardous waste under proper manifest to an appropriate TSD facility.

In order to determine groundwater flow direction, the top-of-casing elevation at each monitoring well will be surveyed to within 0.01 foot of an established on-site benchmark.

### C. Groundwater Sampling Plan

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Within three days of installation, each well will be developed by removing water with a teflon bailer until the water is relatively clear, or until the aparent turbidity of the water being removed has stabilized.

Prior to sampling, eash well will be purged by bailing at least 5 casing volumes of water. After a well has been adequately purged, a groundwater sample will be bailed and placed in appropriate containers, as required by the particular laboratory protocols. All samples will be immediately placed on ice, then transported under chain of custody to the laboratory by the end of each working day.

At the time each monitoring well is sampled, the following information will be recorded in the field: 1) depth to groundwater prior to purging, using an electrical well sounding tape, 2) indentification of any floating product, sheen, or oder prior to purging, using a clear teflon bailer, 3) sample PH, 4) sample temperature, and 5) Specific conductance of the sample.

All Analyses will be conducted by a California State DOHS certified lbaoratory in accordance with EPA recommended procedures. All soil and groundwater samples will be analyzed for 1)total petroleum hydrocarbons as gasoline and 2) BTXE

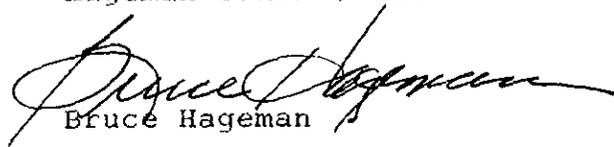
All water removed from the wells during development and purging will be drummed and stored on-site until the results of laboratory analyses are obtained. Depending upon these results, the water will be sewerred as a non-hazardous liquid waste, or else it will be transported as a hazardous liquid waste under proper manifest to an appropriate TSD facility for treatment and disposal.

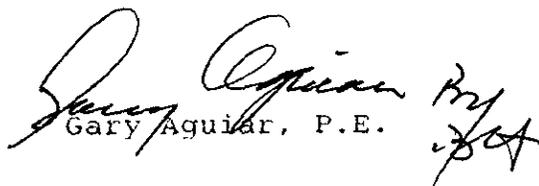
July 7, 1989  
Ref: 2020-3  
Adobe Assoc.

This concludes our subsurface investigation proposal and work plan for the installation of three groundwater monitoring wells.

We sincerely ask for your immediate attention to this proposal as is most important to complete this project.

Yours Truly,  
Hageman-Schank, Inc.

  
Bruce Hageman

  
Gary Aguiar, P.E.

## STATEMENT OF QUALIFICATIONS

Gary Aguiar:

- o B.S., Chemical Engineering, University of California, Berkeley, 1977  
M.S., Sanitary Engineering, University of California, Berkeley, 1981
- o Registered Civil Engineer, California, C.E. 34262  
Registered Civil Engineer, Oregon, C.E. 13353  
Registered Civil Engineer, Alaska, C.E. 7769
- o Over the past ten years, has participated in all aspects of hydrogeological investigations, groundwater pollution investigations, water resource studies, and hazardous waste management.
- o His extensive teaching experience includes the following:

UNIVERSITY OF CALIFORNIA  
EXTENSION, Berkeley, Ca.

1/82 - present  
Instructor: Develop and teach courses on the principles of groundwater hydrology, groundwater pollution, and hazardous waste management.  
Advisory Committee member: Member of advisory committee for U.C. Berkeley Hazardous Materials Management Certificate Program.

CALIFORNIA STATE UNIVERSITY  
CONSORTIUM, Hayward, Ca.

9/83 - 12/83  
Assistant Professor: Developed and taught a course on the engineering aspects of environmental planning.

RESOURCE SEMINARS,  
Berkeley, Ca.

1/81 - 9/83  
Lecturer: Lectured on the principles of groundwater hydrology at seminars given in various U.S. cities.

- o Other Qualifications:

Water Treatment Plant Operator Grade III  
Certificate, California State Department of Health.

Basic Qualified Earth Shorer Certificate,  
American Society of Safety Engineers.

Radiation Safety / Nuclear Soils Gauge Operator

Certificate, Campbell Pacific Nuclear Corp.

o Professional Affiliations:

Member, American Chemical Society  
Member, American Water Works Association  
Member, National Water Well Association

Gary Aguiar began a private consulting practice in 1984. The first project was the installation of three deep monitoring wells within the drinking water aquifer beneath McKesson Chemical Company's Union City chemical packaging facility. This project involved casing a highly contaminated upper zone prior to drilling through the Newark aquitard. After supervising the drilling operations, properly disposing of the drilling spoils, and sampling the wells, a detailed report was prepared that presented an analysis of the data, as well as an assessment of the impact that shallow groundwater contamination has had upon the quality of the drinking water in the area.

To date, Gary Aguiar has provided services for a total of fifteen clients. Typical work has included:

- o Assessment of local hydrogeology around solvent recycling sites located in Denver, Co. and Azusa, Ca., prior to purchase by a national chemical recycler.
- o Consultation to a local geologic firm concerning the design of a dewatering and contaminant removal system in tight clays at an electronics factory site located in Santa Clara County.
- o Design of a pump test to determine aquifer characteristics prior to design of an extraction system for the removal of gasoline from an underground tank site in Morgan Hill, Ca.
- o Hydrogeologic analysis and design of a recovery system for the remediation of gasoline contamination that threatened a drinking water supply in Woodside, Ca.
- o Data analysis and professional representation in negotiations with the Regional Water Quality Control Board for a commercial property owner in Santa Clara County. Solvent contamination had been discovered beneath the site.
- o In association with Brunsing Associates, Santa Rosa,

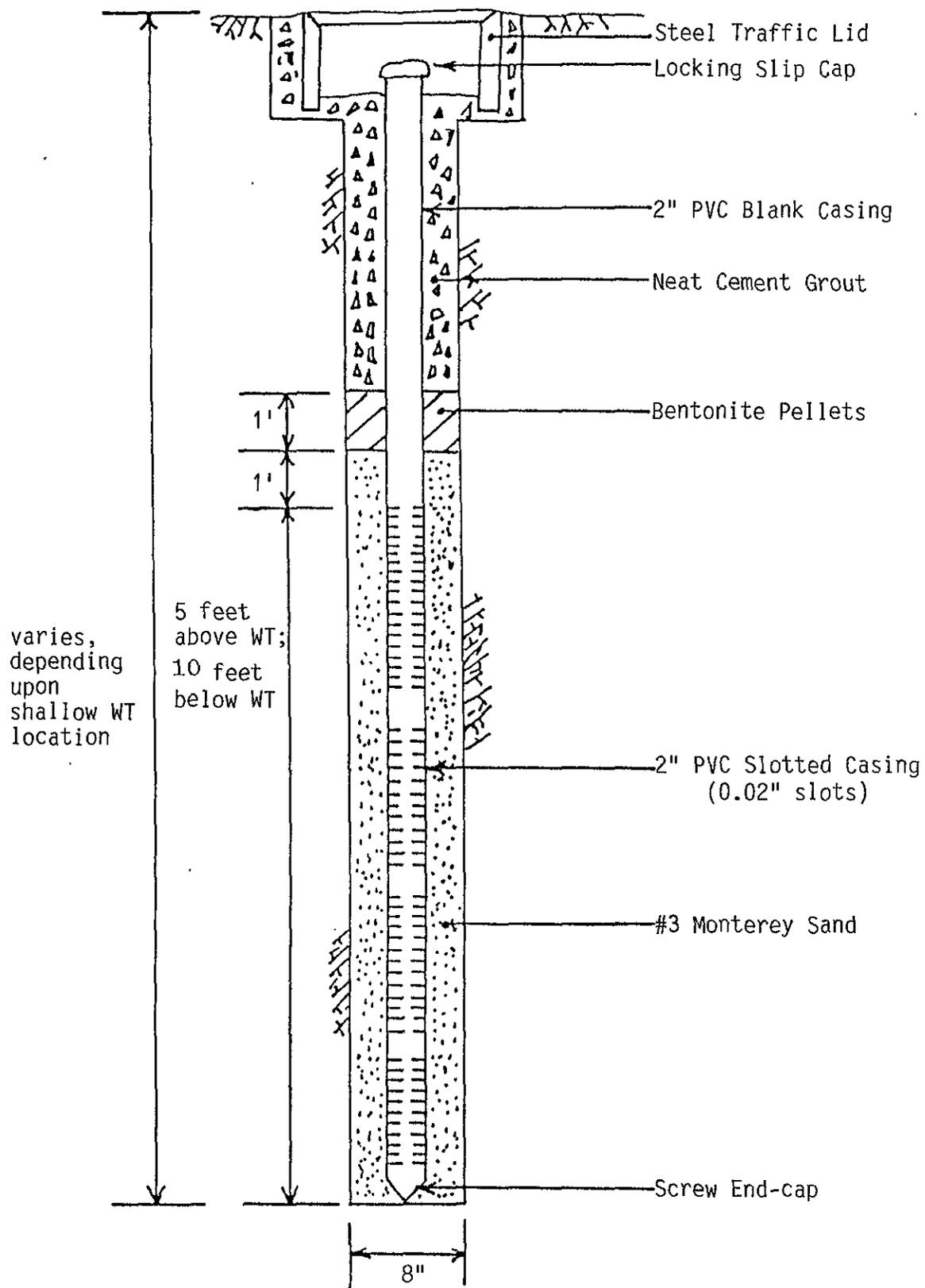
Ca., a site assessment of a laser manufacturing plant in Palo Alto, Ca. is currently in progress. This project involved assessing the local hydrogeology, sampling surface and groundwaters, formulating a risk assessment in terms of contaminants that may enter the groundwater due to factory processes, and removing hazardous wastes that have been left from past operations.

- o Consultation to a local geologic firm concerning the results of soil and groundwater sampling at a large oil refinery in Hanford, Ca. This project has involved assessing the local hydrogeology, relating the presence of subsurface contaminants to specific above-ground refinery processes, and recommending specific chemical analyses to be performed. An assessment of the impact of subsurface contamination was made in terms of the potential for deep migration. In addition, an assessment of the legal impact was made in terms of applicable hazardous waste laws (Title 22 and 40CFR).

By providing education for the professional community, Gary Aguiar has maintained close contact with the University of California. Through this contact, experts in particular fields can be easily networked, while maintaining low operating overhead costs. In addition, the latest technologies in sampling and contamination remediation are continually evaluated and made available to the client.

EXHIBITS ATTACHED

# TYPICAL MONITORING WELL CONSTRUCTION



California—Health and Welfare Agency  
Approved OMB No 2050-0039 (Expires 9-30-89)  
Applicable to type (Form designed for use on elite printer or type writer)

Generator's US EPA ID No  
Manifest Document No

2. Page 1 of  
Information in the shaded area is not required by Federal law

# UNIFORM HAZARDOUS WASTE MANIFEST

Generator's Name and Mailing Address

Generator's Phone ( )

5. Transporter 1 Company Name

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

b

c

d

13. Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment: OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and selected the best waste management method that is available to me and that I can afford.

Printed/Typed Name

17. Transporter 1 Acknowledgement of Receipt of Materials

18. Transporter 2 Acknowledgement of Receipt of Materials

19. Discrepancy Indication

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

A. State Manifest Document Number  
87000123

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

12. Containers

13. Total Quantity

14. Unit Wt/Vol

Waste No.

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

State

EPA/Other

GENERATOR  
TRANSPORTER  
FACILITY

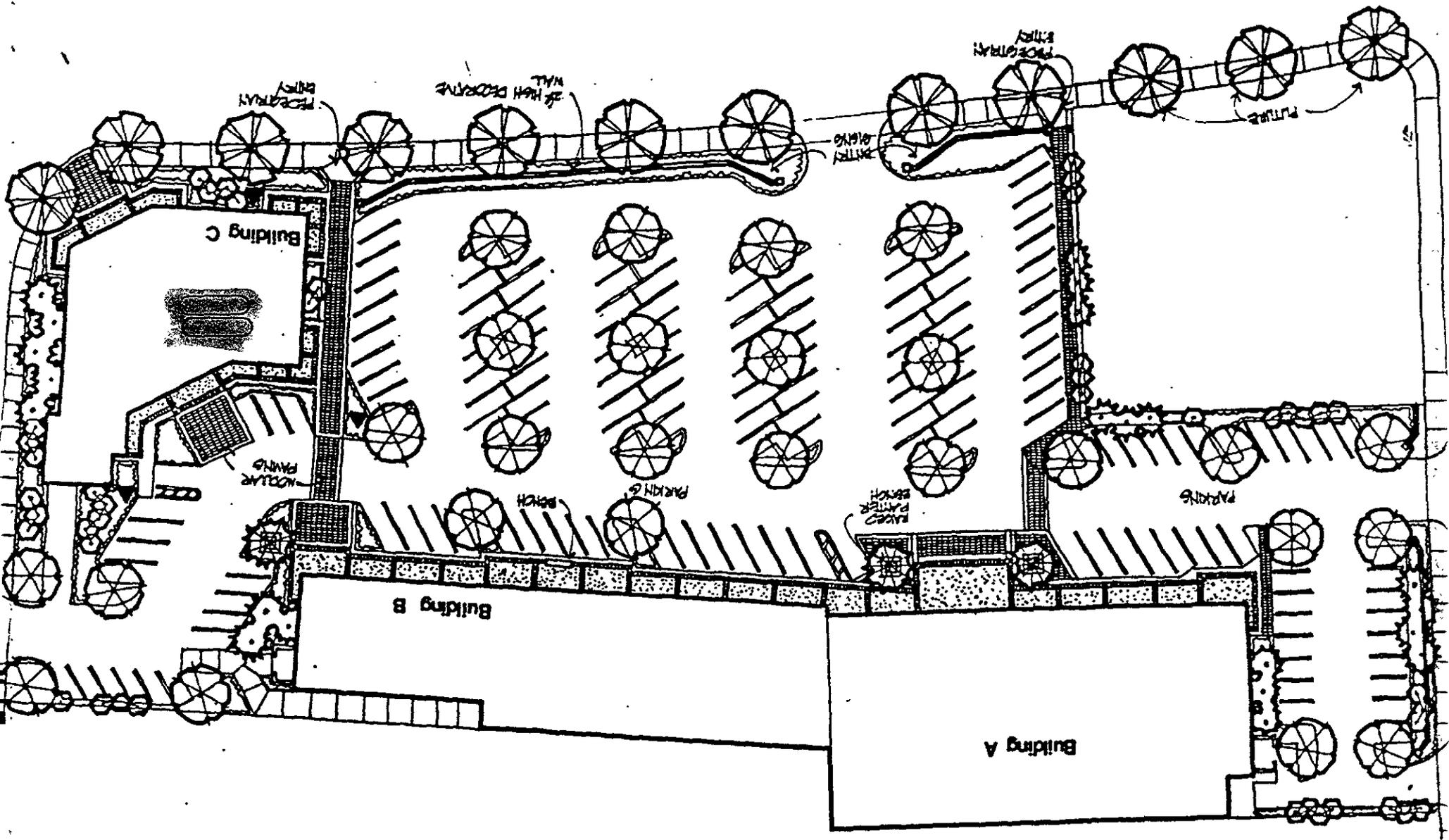
YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

ADOBE CENTER - CASTRO VALLEY

▲ - PROPOSED MONITORING LOCATIONS  
■ - TANK LOCATIONS

PREVIOUS UNDERGROUND TANK LOCATIONS



# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAB STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
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REPORT DATE 0 <u>8</u> / 1 <u>1</u> / 8 <u>8</u>	CASE #	SIGNED _____ DATE _____
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REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <b>Bruce Hageman</b>	PHONE (415) 837-2926	SIGNATURE <i>Bruce Hageman</i>
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME <b>HAGEMAN-SCHANK, INC.</b>	
	ADDRESS <b>2723 Crow Canyon Road Ste 210</b> <b>San Ramon</b> <b>CA</b>		

RESPONSIBLE PARTY	NAME <b>Adobe Associates</b> <input type="checkbox"/> UNKNOWN	CONTACT PERSON <b>Mr. Clifford Sherwood</b>	PHONE <b>(415) 582-3666</b>
	ADDRESS <b>P.O. Box 2673</b> <b>Castro Valley</b> <b>CA</b> <b>94546</b>		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) <b>Castro Valley Car Wash</b>	OPERATOR <b>Phil Malkani</b>	PHONE <b>(415) 490-0133</b>
	ADDRESS <b>3098 Castro Valley Blvd</b> <b>Castro Valley</b> <b>Alameda</b> <b>94546</b>		
	CROSS STREET	TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER	TYPE OF BUSINESS <input type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input checked="" type="checkbox"/> OTHER <b>Car Wash</b>

IMPLEMENTING AGENCIES	LOCAL AGENCY <b>Alameda County Environmental</b>	CONTACT PERSON <b>Mr Larry Seto</b>	PHONE <b>(415)</b>
	REGIONAL BOARD <b>San Francisco Bay</b>	<b>Lisa McCann</b>	PHONE <b>(415) 464-4223</b>

SUBSTANCES INVOLVED	(1) NAME <b>Union Oil - Uleaded Gasoline</b>	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2) _____ <input type="checkbox"/> UNKNOWN	

DISCOVERY/ABATEMENT	DATE DISCOVERED 0 <u>8</u> / 7 <u>2</u> / 8 <u>8</u>	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER
	DATE DISCHARGE BEGAN _____ <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER <b>remove tanks</b>
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE _____	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input checked="" type="checkbox"/> OTHER <b>surface infil</b>	TANKS ONLY/CAPACITY <b>10,000</b> GAL AGE _____ YRS	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input checked="" type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
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CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
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CURRENT STATUS	CHECK ONE ONLY <input checked="" type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES
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REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)
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COMMENTS	
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**UNIFORM HAZARDOUS WASTE MANIFEST**

Generator's US EPA ID No. 0700001006211 Manifest Document No. \_\_\_\_\_

2. Page 1 of \_\_\_\_\_ Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
NO PHONE CASTRO VALLEY CAR WASH  
SITE NOT OPERATING 3098 CASTRO VALLEY BLVD  
 4. Generator's Phone ( ) CASTRO VALLEY

A. State Manifest Document Number 87600112

B. State Generator's ID \_\_\_\_\_

5. Transporter 1 Company Name WASTE OIL RECOVERY / HADCO INC 46515

C. State Transporter's ID 901237

D. Transporter's Phone 530 6150

7. Transporter 2 Company Name \_\_\_\_\_

E. State Transporter's ID \_\_\_\_\_

F. Transporter's Phone \_\_\_\_\_

9. Designated Facility Name and Site Address  
REPAIR SHOP  
5111 N. 11th St  
CASTRO VALLEY

G. State Facility's ID \_\_\_\_\_

H. Facility's Phone 55957431

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a.	1 FULL	1	221
b.			
c.			
d.			

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above  
 a. M-R b. \_\_\_\_\_  
 c. \_\_\_\_\_ d. \_\_\_\_\_

15. Special Handling Instructions and Additional Information  
MAIL MANIFEST TO: HANDELMAN & SCHNAK  
3733 PULVER BLVD  
SAN JOSE CA 95133

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year 07 26 88

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year 07 26 88

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year \_\_\_\_\_

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year \_\_\_\_\_

GENERATOR

TRANSPORTER FACILITY

Generator's US EPA ID No  
 Manifest Document No.

**UNIFORM HAZARDOUS WASTE MANIFEST**

Generator's US EPA ID No: CA 000100621  
 Manifest Document No.:

2. Page 1 of 1  
 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: CASTRO VALLEY CAL WASH  
 3048 CASTRO VALLEY BLVD  
 CASTRO VALLEY

A. State Manifest Document Number: 87898032

4. Generator's Phone (415) 490-0133

B. State Generator's ID:

5. Transporter 1 Company Name: H H SHIPPING  
 6. US EPA ID Number: CA D004771168

C. State Transporter's ID: 902439  
 D. Transporter's Phone: 415 543 4835

7. Transporter 2 Company Name:  
 8. US EPA ID Number:

E. State Transporter's ID:  
 F. Transporter's Phone:

9. Designated Facility Name and Site Address: H H SHIP SERVICE  
 220 CHINA BASIN ST  
 SAN FRANCISCO, CA 94037  
 10. US EPA ID Number: CA D004771168

G. State Facility's ID: 38-001-78  
 H. Facility's Phone: 415 543 0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
				No
a.	1	1	16,000 GALLON	State: 512
			EMPTY UNDERGROUND GASOLINE	EPA/Other: 1001
			WITH LESS THAN 1 GALLON RESIDUAL	State:
			LIQUID IN EACH TANK	EPA/Other:
b.				State:
				EPA/Other:
c.				State:
				EPA/Other:
d.				State:
				EPA/Other:

J. Additional Descriptions for Materials Listed Above  
 EMPTY UNDERGROUND GASOLINE  
 WITH LESS THAN 1 GALLON RESIDUAL  
 LIQUID IN EACH TANK

K. Handling Codes for Wastes Listed Above  
 a. b. c. d.

15. Special Handling Instructions and Additional Information  
 GLOVES & LOGGERS

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Robert M WEBER  
 Signature: Robert M Weber  
 Month Day Year: 10/7/88

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name: Donald D. Ruskerville  
 Signature: Donald D. Ruskerville  
 Month Day Year: 10/7/88

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name:  
 Signature:  
 Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19  
 Printed/Typed Name:  
 Signature:  
 Month Day Year:

GENERATOR  
 TRANSPORTER  
 FACILITY  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

**UNIFORM HAZARDOUS WASTE MANIFEST**

Generator's US EPA ID No CA160001006213198918 Manifest Document No 20061 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
CITRO VILLE LAIR WASH  
3098 CASTRO VALLE BLVD

A. State Manifest Document Number  
87898033

4. Generator's Phone  
415 440-0133

B. State Generator's ID

5. Transporter 1 Company Name  
HSH SHIPPING

6. US EPA ID Number  
CA10004771168

C. State Transporter's ID  
90149

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone  
415 543 4838

9. Designated Facility Name and Site Address  
HSH SHIP SERVICE  
220 CHINA BASIN STREET  
SAN FRANCISCO, CA 9407

10. US EPA ID Number  
CA10004771168

G. State Facility's ID  
38-001-718

H. Facility's Phone  
415 643 0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12 Containers No.	13 Total Quantity	14 Unit WT/Vol	1. Waste No.
003		10	State 512
		3 TANKS	EPA/Other D001
			State
			EPA/Other
			State
			EPA/Other
			State
			EPA/Other

a. (1) ONE EMPTY 10,000 GALLON GASOLINE TANK WASTE FLAMMABLE LIQUID UN1203

b. LIQUID UN1203

c.

d.

J. Additional Descriptions for Materials Listed Above  
EMPTY UNDERGROUND GASOLINE WITH LESS THAN 1 GALLON RESIDUAL LIQUID IN EACH TANK

K. Handling Codes for Wastes Listed Above  
 a. b. c. d.

15. Special Handling Instructions and Additional Information  
GLOVES & GOGGLES

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
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Printed/Typed Name FOR CITRO VILLE LAIR WASH Signature [Signature] Month Day Year 07/26/88

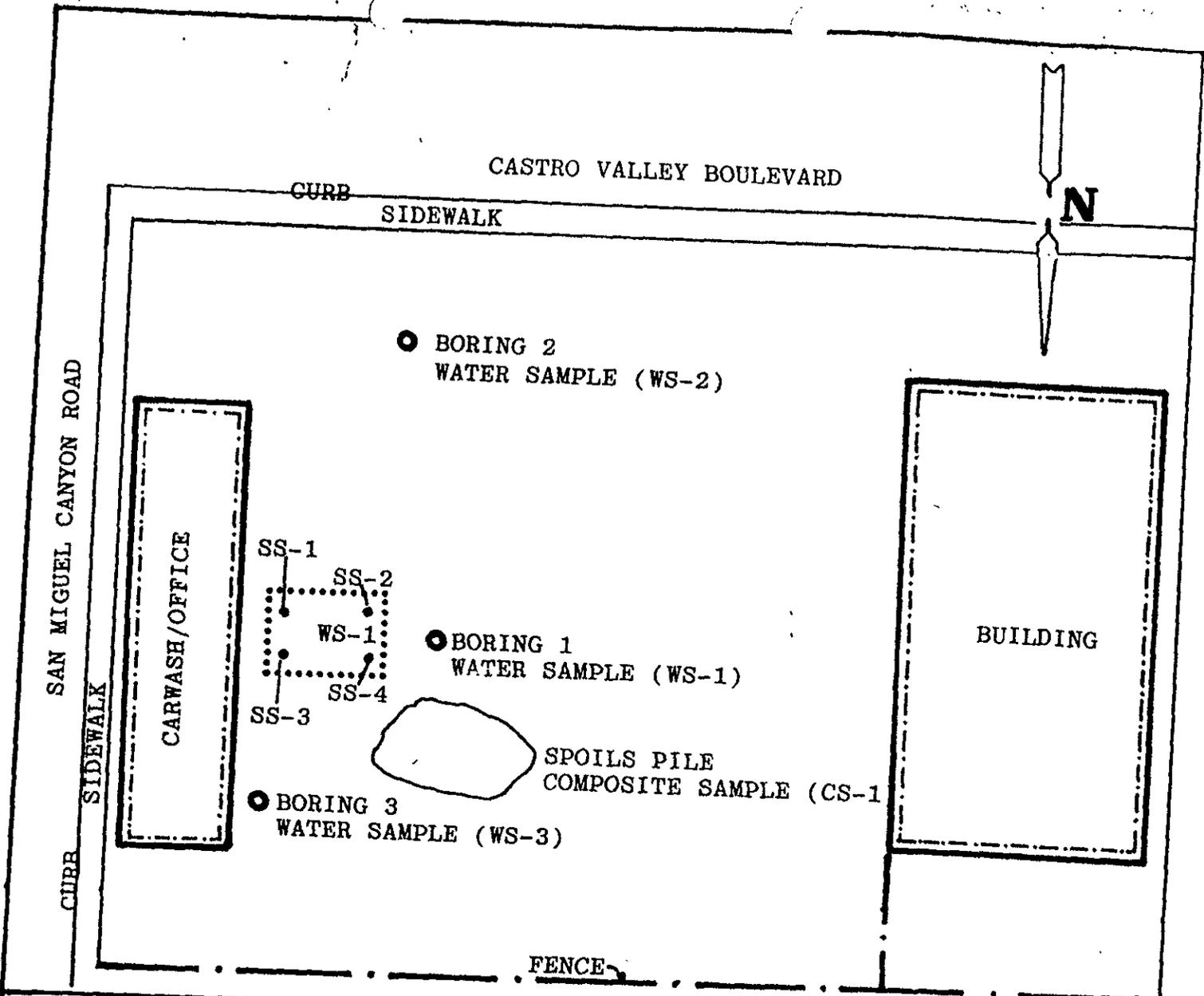
17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name Donald D. Posterbull Signature [Signature] Month Day Year 07/26/88

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year \_\_\_\_\_

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
 Printed/Typed Name \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year \_\_\_\_\_

GENERATOR  
 TRANSPORTER  
 FACILITY  
 USE OF THIS EMERGENCY OR POLL CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550



**SAMPLE RESULTS**

SAMPLE ID	TPH	B	T	X	EB
SS-1	nd	nd	nd	nd	nd
SS-2	nd	nd	nd	nd	nd
SS-3	nd	nd	nd	nd	nd
SS-4	nd	nd	nd	nd	nd
BORING WS-1	.40	.003	.011	.028	.006
BORING WS-2	3.8	.27	.95	.75	.14
BORING WS-3	.36	nd	.003	.003	.001
WS-1	2.0	.032	.12	.32	.052
CS-1	630	1.0	17.	65.	11.

**LEGEND**

- SOIL BORINGS & WATER SAMPLES
- SOIL SAMPLES
- ... TANK EXCAVATION BOUNDRY

**SAMPLE DEPTH**

SS-1	11.5'	SS-3	11.5'
SS-2	11.5'	SS-4	11.5'

CASTRO VALLEY CAR WASH  
 3098 CASTRO VALLEY BOULEVARD  
 CASTRO VALLEY, CALIF 94546

SCALE 1"=50'

DRAWING NUMBER

DATE 8-8-88

J 2020

ALL SAMPLES EXPRESSED IN mg/l OR ppm  
 SAMPLES ANALYZED FOR TOTAL PETROLEUM  
 HYDROCARBONS (TPH) & BENZENE (B),  
 TOLUENE (T), XYLENE (X), ETHYL BENZENE  
 (EB). AS GASOLINE.



A division of Groundwater Technology, Inc.

Western Region  
4080-C Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from Inside California  
(800) 423-7143 from outside California

Page 1 of 1

07/29/88 rw  
CLIENT: Robert Webber  
HAGEMAN-SCHANK, INCORPORATED  
2723 Crow Canyon Road, Suite 210  
San Ramon, CA 94583

PROJECT#: SFB-0147-10

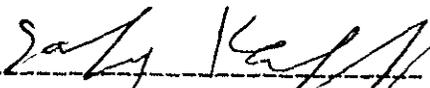
PROJECT #: J2020  
SAMPLED: 07/27/88 BY: R. Webber  
RECEIVED: 07/27/88 BY: K. Biava  
ANALYZED: 07/27/88 BY: E. Popek  
MATRIX: Soil  
UNITS: mg/kg (ppm)

TEST RESULTS

COMPOUNDS	MDL	LAB # I.D.#	27973 SS-1	27974 SS-2	27975 SS-3	27976 SS-4
Benzene	0.5		<0.5	<0.5	<0.5	<0.5
Toluene	0.5		<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5		<0.5	<0.5	<0.5	<0.5
Xylenes	0.5		<0.5	<0.5	<0.5	<0.5
Total BTEX	0.5		<0.5	<0.5	<0.5	<0.5
Misc. Hydrocarbons (C4-C12)	1.0		<1.0	<1.0	<1.0	<1.0
Total Petroleum Hydrocarbons as Gasoline	1.0		<1.0	<1.0	<1.0	<1.0

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.

METHOD:  
Modified EPA Method 5030/8020/8015

  
SAFY KHALIFA, Ph.D., Director

HAGEMAN-SCHANK, INCORPORATED  
2723 CROW CANYON ROAD, SUITE 210  
SAN RAMON, CALIFORNIA 94583  
415/837-2926

ANALYSIS TPH & BTX: E  
AS GASOLINE

PROJECT NO. J2020

TURN AROUND ASAP 24 HOUR OR BETTER  
CHAIN OF CUSTODY RECORD Tomorrow 7/28/88 early AM if possible

Field Record  
Sample Type SOIL  
Container Type BEASSLINE

Laboratory Record  
Lab No. \_\_\_\_\_

Contract Laboratory Record  
Laboratory Name GI

KENT PATTON

amr ID	Sampled By	Date	Received By	Date	Condition	Received By	Date	Condition
<u>SS-1</u>	<u>RMW</u>	<u>7/27/88</u>						
<u>SS-2</u>	<u>RMW</u>	<u>7/27/88</u>						
<u>SS-3</u>	<u>RMW</u>	<u>7/27/88</u>						
<u>SS-4</u>	<u>RMW</u>	<u>7/27/88</u>						

Released to Courier By Field Personnel  
Paul R. Weber 7.27.88

Released To Lab by Courier  
Paul R. Weber 7.27.88

Released to Lab by Courier

Received by Courier Paul R. Weber  
7.27.88

Received by Lab R Williams  
7/27/88

Received by Lab \_\_\_\_\_

**GTEL**  
**Environmental**  
**Laboratories**

A division of Groundwater Technology, Inc.

**Western Region**  
 4080-C Pike Lane  
 Concord, CA 94520  
 (415) 685-7852  
 (800) 544-3422 from inside California  
 (800) 423-7143 from outside California

08/01/88 JP

Page 1 of 1

**CLIENT:** Robert Weber  
 HAGEMAN-SCHANK, INC.  
 2723 Crow Canyon Rd., Suite 210  
 San Ramon, CA 94583

**PROJECT#:** SFB-0147-13  
**PROJECT#** J2020  
**SAMPLED:** 07/29/88 **BY:** R. Weber  
**RECEIVED:** 08/01/88 **BY:** K. Biava  
**ANALYZED:** 08/01/88 **BY:** C. Manuel  
**MATRIX:** Water  
**UNITS:** mg/L (ppm)

**TEST RESULTS**

COMPOUNDS	MDL	LAB #	28347				
		I.D.#	WS 1				
Benzene	0.0005		0.003				
Toluene	0.0005		0.011				
Ethylbenzene	0.0005		0.006				
Xylenes	0.0005		0.028				
Total BTEX	0.0005		0.048				
Misc. Hydrocarbons (C4-C12)	0.001		0.35				
Total Petroleum Hydrocarbons as Gasoline	0.001		0.40				

MDL = Method Detection Limit; compound below this level would not be detected.  
 Results rounded to two significant figures.

**METHOD:**  
 Modified EPA Method 5030/8020/8015

*Safy Khalifa*  
 SAFY KHALIFA, Ph.D., Director



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Western Region  
4080-C Pike Lane  
Concord, CA 94520

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(800) 544-3422 from inside California  
(800) 423-7143 from outside California

08/03/88 Jp

Page 1 of 1

CLIENT: Robert Weber  
HAGEMAN-SCHANK, INC.  
2723 Crow Canyon Rd., Suite 210  
San Ramon, CA 94583

PROJECT#: SFB-0147-14  
PROJECT# J2020  
SAMPLED: 07/29/88  
RECEIVED: 08/01/88  
ANALYZED: 08/02/88  
MATRIX: Water  
UNITS: mg/L (ppm)

BY: R. Weber  
BY: K. Biava  
BY: C. Manuel

TEST RESULTS

COMPOUNDS	MDL	LAB #	28348	28349
		I.I.D.#	WS 2	WS 3
Benzene	0.0005		0.27	<0.0005
Toluene	0.0005		0.95	0.003
Ethylbenzene	0.0005		0.14	0.001
Xylenes	0.0005		0.75	0.003
Total BTEX	0.0005		2.1	0.007
Misc. Hydrocarbons (C4-C12)	0.001		1.7	0.35
Total Petroleum Hydrocarbons as Gasoline	0.001		3.8	0.36

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.

METHOD:  
Modified EPA Method 5030/8020/8015

  
SAFY KHALIFA, Ph.D., Director



HAGEMAN-SCHANK, INCORPORATED  
2723 CROW CANYON ROAD, SUITE 210  
SAN RAMON, CALIFORNIA 94583  
415/837-2926

ANALYSIS TPH & BTXE  
AS GASOLINE

PROJECT NO. J2020

SFB-0147-14

TURN AROUND 10 DAY 24 Hrs

CHAIN OF CUSTODY RECORD

J Robert Weber  
Kittel 8/2/88

Field Record  
Sample Type WATER  
Container Type NOA

Laboratory Record  
Lab No. \_\_\_\_\_

Contract Laboratory Record  
Laboratory Name GT

Sample ID	Sampled By	Date	Received By	Date	Condition	Received By	Date	Condition
<u>UK-2 BORING 2</u>	<u>LMW</u>	<u>7-29-88</u>		<u>28348</u>				
<u>WS-3 BORING 3</u>	<u>RMW</u>	<u>7-29-88</u>		<u>28349</u>				

Released to Courier By Field Personnel

Robert M. Weber 7-29-88  
Received by Courier Robert M. Weber  
7-29-88

Released To Lab by Courier

Robert M. Weber 8-1-88

Released to Lab by Courier

Received by Lab Kelly Blair

Received by Lab

(8)

8/11/88 11:35

8/2/88



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Western Region  
4080-C Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California

07/29/88 mh

Page 1 of 1

CLIENT: Robert Webber  
HAGEMAN-SCHANK, INCORPORATED  
2723 Crow Canyon Road Suite 210  
San Ramon, CA 94583

PROJECT#: SFB-0147-11  
H-S PROJECT #: J2020

SAMPLED: 07/27/88 BY: R. Webber  
RECEIVED: 07/28/88 BY: K. Biava  
ANALYZED: 07/28/88 BY: C. Manuel  
MATRIX: Water  
UNITS: mg/L (ppm)

TEST RESULTS

COMPOUNDS	MDL	LAB #	27996				
		I.I.D. #	WS-1				
Benzene	0.0005		0.032				
Toluene	0.0005		0.12				
Ethylbenzene	0.0005		0.052				
Xylenes	0.0005		0.32				
Total BTEX	0.0005		0.52				
Misc. Hydrocarbons (C4-C12)	0.001		1.5				
Total Petroleum Hydrocarbons as Gasoline	0.001		2.0				

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.

METHOD:  
Modified EPA 5030/8020/8015.

  
SAFY KHALIFA, Ph.D., Director

HAGEMAN-SCHANK, INCORPORATED  
 2723 CROW CANYON ROAD, SUITE 210  
 SAN RAMON, CALIFORNIA 94583  
 415/837-2926

ANALYSIS TPH & BTX/E  
AS GASOLINE

PROJECT NO. J2020

SFB-0147-11

TURN AROUND 2-10 DAY

*Rob Weber  
 Called wants  
 24 hr. on water*

CHAIN OF CUSTODY RECORD

Field Record  
 Sample Type WATER  
 Container Type VOB

Laboratory Record  
 Lab No. 27996

Contract Laboratory Record  
 Laboratory Name GT

J

am. ID	Sampled By	Date	Received By	Date	Condition	Received By	Date	Condition
<u>WS-1</u>	<u>RMW</u>	<u>7-27-88</u>						

Released to Courier By Field Personnel

Released To Lab by Courier

Released to Lab by Courier

Robert M. Weber 7-27-88

Robert M. Weber 7-28-88

Received by Courier Robert M. Weber  
7-27-88

Received by Lab Kathy Brian  
7/28/88 8:20

Received by Lab \_\_\_\_\_

*7/28/88*



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Western Region  
4080-C Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California

08/01/88 JP

Page 1 of 1

CLIENT: Robert Webber  
HAGEMAN-SCHANK, INCORPORATED  
2723 Crow Canyon Road, Suite 210  
San Ramon, CA 94583

PROJECT#: SFB-0147-12  
PROJECT# J2020

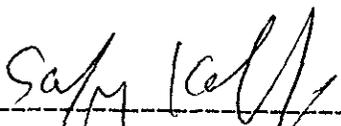
SAMPLED: 07/27/88 BY: R. Webber  
RECEIVED: 07/28/88 BY: K. Biava  
ANALYZED: 07/28/88 BY: E. Popek  
MATRIX: Soil  
UNITS: mg/kg (ppm)

TEST RESULTS

COMPOUNDS	MDL	LAB #	27997				
	I.D.#	CS-1					
Benzene	0.5		1				
Toluene	0.5		17				
Ethylbenzene	0.5		11				
Xylenes	0.5		65				
Total BTEX	0.5		94				
Misc. Hydrocarbons (C4-C12)	1.0		540				
Total Petroleum Hydrocarbons as Gasoline	1.0		630				

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.

METHOD:  
Modified EPA Method 5030/8020/8015

  
SAFY KHALIFA, Ph.D., Director

HAGEMAN-SCHANK, INCORPORATED  
2723 CROW CANYON ROAD, SUITE 210  
SAN RAMON, CALIFORNIA 94583  
415/837-2926

ANALYSIS TPH & BTXE  
AS GASOLINE

PROJECT NO. 2020

TURN AROUND 5-DAY

CHAIN OF CUSTODY RECORD

Field Record

Sample Type SOIL

Container Type BRASS LINER

NOTE - COMPOSITE (4) FOUR LINERS INTO (1) ONE SAMPLE

Laboratory Record  
Lab No. \_\_\_\_\_

Contract Laboratory Record  
Laboratory Name GT

<u>Sample ID</u>	<u>Sampled By</u>	<u>Date</u>	<u>Received By</u>	<u>Date</u>	<u>Condition</u>	<u>Received By</u>	<u>Date</u>	<u>Condition</u>
<u>LS-1</u>	<u>RMW</u>	<u>7-27-88</u>			<u>COMPOSITE SAMPLES</u>			

Released to Courier By Field Personnel

Robert M. Usher 7-27-88

Received by Courier Robert M. Usher  
7-27-88

Released To Lab by Courier

Robert M. Usher 7-28-88

Received by Lab Polly B. Kucic  
7/28/88 8:20

Released to Lab by Courier

Received by Lab \_\_\_\_\_



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Western Region  
4080-C Pike Lane  
Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from Inside California  
(800) 423-7143 from outside California

08/23/88 mh

Page 1 of 1

CLIENT: Robert Webber  
HAGEMAN-SCHANK, INCORPORATED  
2723 Crow Canyon Road, Suite 210  
San Ramon, CA 94583

PROJECT#: SFB-0147-17

SAMPLED: 08/19/88 BY: R. Webber  
RECEIVED: 08/19/88 BY: K. Fillinger  
ANALYZED: 08/19/88 BY: C. Manuel  
MATRIX: Soil  
UNITS: mg/kg (ppm)  
HSI Project #: J2020

TEST RESULTS

COMPOUNDS	MDL	LAB #	29722				
		I. D. #	ICS1, 2, 3, 4	5, 6, 7, 8			
Benzene	0.5		<0.5				
Toluene	0.5		<0.5				
Ethylbenzene	0.5		<0.5				
Xylenes	0.5		<0.5				
Total BTEX	0.5		<0.5				
Misc. Hydrocarbons (C4-C12)	1		<1				
Total Petroleum Hydrocarbons as Gasoline	1		<1				

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.

METHOD:  
Modified EPA Method 5030/8020/8015

  
SAFY KHALIFA, Ph.D., Director

HAGEMAN-SCHANK, INCORPORATED  
2723 CROW CANYON ROAD, SUITE 210  
SAN RAMON, CALIFORNIA 94583  
415/837-2926

ANALYSIS TPH & BTEX AS  
GASOLINE

PROJECT NO. V2020

TURN AROUND 24 HOUR TA

CHAIN OF CUSTODY RECORD

Field Record NOTE COMPOSITE INTO (1) ONE SAMPLE  
Sample Type Soil  
Container Type BRASS LINER

Laboratory Record  
Lab No. \_\_\_\_\_

Contract Laboratory Record  
Laboratory Name GT

Sample ID	Sampled By	Date	Received By	Date	Condition	Received By	Date	Condition
CS-1	RMLW	8/19/88	}					
CS-2	RMLW	8/19/88						
CS-3	RMLW	8/19/88						
CS-4	RMLW	8/19/88						
CS-5	RMLW	8/19/88				COMPOSITE INTO (1) ONE		
CS-6	RMLW	8/19/88				SAMPLE		
CS-7	RMLW	8/19/88						
CS-8	RMLW	8/19/88						

Released to Courier By Field Personnel Robert M Weber 8-19-88 Released To Lab by Courier Robert M Weber 8-19-88 Released to Lab by Courier \_\_\_\_\_  
Received by Courier Robert M Weber 8/19/88 Received by Lab \_\_\_\_\_ Received by Lab \_\_\_\_\_ 8/19



09/16/88 mh

Page 1 of 1

Western Region  
4080-C Pike Lane, Concord, CA 94520  
(415) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California

CLIENT: Robert Webber  
HAGEMAN-SCHANK, INC.  
2723 Crow Canyon Road Suite 210  
San Ramon, CA 94583  
PROJECT#: SFB-0147-23

SAMPLED: 09/14/88 BY: R. Webber  
RECEIVED: 09/15/88 BY: K. Fillinger  
ANALYZED: 09/15/88 BY: R. Condit  
MATRIX: Soil  
UNITS: mg/kg (ppm)

TEST RESULTS

COMPOUNDS	MDL	LAB #	31735				
		I.I.D.#	CS-1A				
Benzene	0.5		<0.5				
Toluene	0.5		<0.5				
Ethylbenzene	0.5		<0.5				
Xylenes	0.5		<0.5				
Total BTEX	0.5		<0.5				
Misc. Hydrocarbons (C4-C12)	1		<1				
Total Petroleum Hydrocarbons as Gasoline	1		<1				

MDL = Method Detection Limit; compound below this level would not be detected.  
Results rounded to two significant figures.

METHOD:  
Modified EPA Method 5030/8020/8015

*Safy Khalifa/EM7*  
SAFY KHALIFA, Ph.D., Director

*CASTRO VALLEY CAR WASH  
COMPOSITE SAMPLE - SOIL  
FROM EXCAVATION*

SFB-0417-25

HAGEMAN-SCHANK, INCORPORATED  
2723 CROW CANYON ROAD, SUITE 210  
SAN RAMON, CALIFORNIA 94583  
415/837-2926

ANALYSIS TPH & BTX AS  
GASOLINE

PROJECT NO. J2020

TURN AROUND 3 DAY

A

CHAIN OF CUSTODY RECORD

NOTES COMPOSITE FIVE LINERS INTO SINGLE SAMPLE

Field Record  
Sample Type SOIL  
Container Type BRASS LINER

Laboratory Record  
Lab No. \_\_\_\_\_

Contract Laboratory Record  
Laboratory Name GT

Sample ID	Sampled By	Date	Received By	Date	Condition	Received By	Date	Condition
CS-1A	RMW	9-14-88	} 31735		}			COMPOSITE INTO SINGLE SAMPLE
CS-1A	RMW	9-14-88						
CS-1A	RMW	9-14-88						
CS-1A	RMW	9-14-88						
CS-1A	RMW	9-14-88						

Released to Courier By Field Personnel Robert Weber 9-14-88 Released To Lab by Courier Robert Weber 9-15-88 Released to Lab by Courier \_\_\_\_\_

Received by Courier Robert Weber 9-14-88 Received by Lab K. Gilligan 9/15/88 Received by Lab \_\_\_\_\_

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Director



Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, CA 94621

Telephone Number: (415)

August 30, 1988

Mr. Cliff Sherwood  
Adobe Associates  
P.O. Box 2673  
Castro Valley, CA 94546

RE: Underground Tank Closure at 3098 Castro Valley Blvd.,  
Castro, Valley, CA

Dear Mr. Sherwood:

We have reviewed the soil and water analysis of the above site that was attached to the report prepared by Hageman-Schank, Inc., dated August 8, 1988.

After consultation with Lisa McCann of the Regional Water Quality Control Board, a minimum of one monitoring well must be installed down gradient from the old tank area.

Although the County of Alameda is the lead agency at this time, the Regional Water Quality Control Board has responsibilities for overseeing all cases that may infect ground water. Copies of all correspondence to this office should be submitted to RWQCB.

If you have any questions, please contact Larry Seto, Hazardous Materials Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid, Chief,  
Hazardous Materials Program

RAS:LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency  
Dwight Hoenig, DOHS  
Bruce Hageman, Hageman-Schank