



ENVIRONMENTAL
PROTECTION

99 MAR -2 PM 3:33

HAGEMAN-AGUIAR, INC.

Environmental & Water Resources Engineering
Groundwater Consultants

7/19/99 LOP 633
Land use - commercial
asphalt paving
surface

**REPORT OF
SUBSURFACE INVESTIGATION**

SIEGEL & STRAIN PROPERTY

1295 - 59th Street
Emeryville, California

February 24, 1999

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I. INTRODUCTION

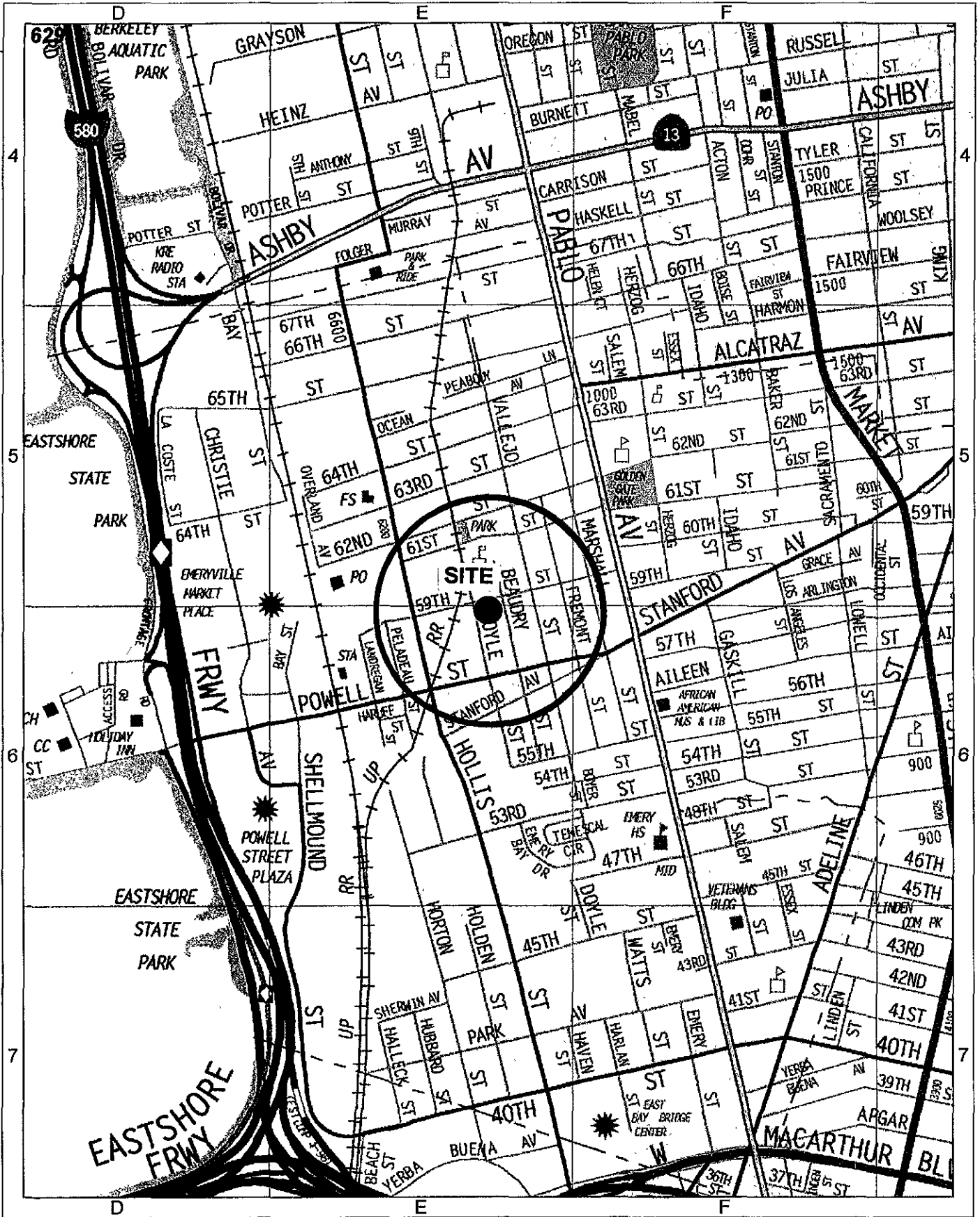
The site location is the Siegel & Strain property at 1295 - 59th Street, Emeryville, California. The location of the site is shown in Figure 1. The current layout of the site is shown in Figure 2.

Background Information

The original owner of the property, Paul Metz, used the property for the location of his masonry brick business. Upon Paul Metz's death, his son, Arnold Metz, inherited the property. Arnold Metz used the building on the property to house his personal effects. Sometime in the Fall of 1992, Arnold Metz sold the property to Eric Schmier.

In order to evaluate and document the environmental conditions of the property prior to the close of an upcoming real estate transaction between Eric Schmier and the current owner (Siegel & Strain), a Level I Environmental Site Assessment investigation was conducted by Hageman-Aguiar, Inc. The results of the investigation were presented in the "Results of Level I Environmental Site Assessment, Property at 1295 59th Street, Emeryville, CA" by Hageman-Aguiar, Inc., dated April 19, 1993.

During the site walk-through in 1993, there was obvious evidence that an underground storage tank was present on the site. The evidence consisted of a large rectangle of settled soil located in the storage yard, near the 59th Street driveway. According to various



● 1295 59th St, Emeryville, 94608, Page & Grid 629 E6

FIGURE 1.

Site Location Map.

59th STREET

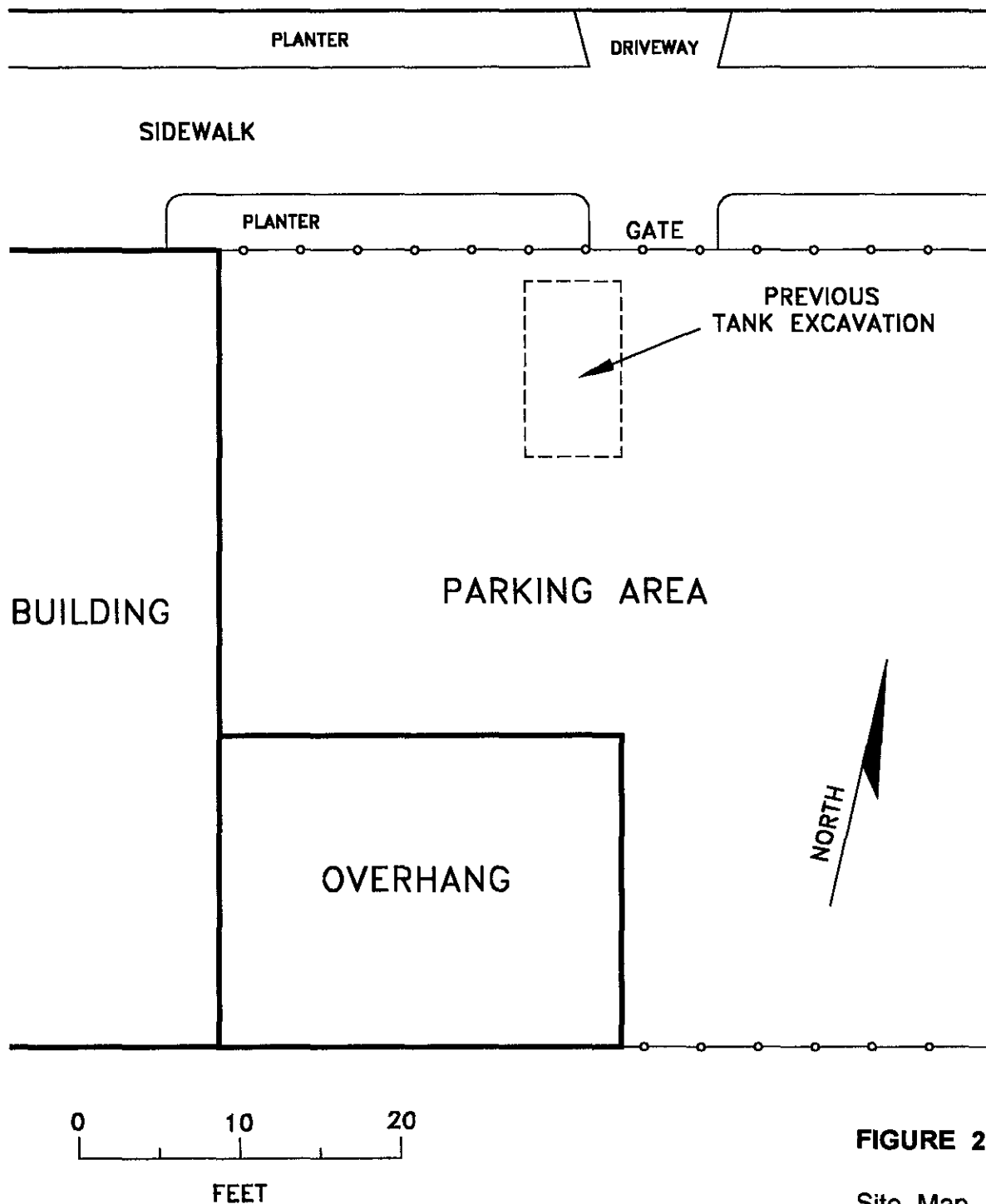


FIGURE 2.
Site Map.

inquiries of one or more persons associated with the property, a small underground storage tank was removed from the site some time prior to 1993. According to witnesses of the tank removal, the tank was empty of product and there was no visual evidence of soil or groundwater contamination. Little else seems to be known about the tank. There is no record of the tank at either the Emeryville Fire Department or at the Alameda County Office of Environmental Health. It is likely that the tank was never registered with any local or state agency.

At the request of Eric Schmier, a limited subsurface investigation was conducted by Hageman-Aguiar, Inc., as a follow-up to the Level I Environmental Site Assessment. The scope of work involved soil sampling and "grab" shallow groundwater sampling at two locations within the area of the suspected previous underground storage tank location. The results of the investigation were presented in the "Report of Limited Level II Environmental Site Assessment, Property at 1295 59th Street, Emeryville, California" by Hageman-Aguiar, Inc., dated May 10, 1993. For this investigation, soil and groundwater samples were analyzed for Gasoline, BTEX and Extractable Petroleum Hydrocarbons. The results of the investigation indicated the presence of Gasoline and Diesel in the shallow groundwater perched within the excavation backfill at concentrations of 11,000 µg/L (ppb) and 1,100 µg/L (ppb), respectively. In addition, Benzene was detected in the shallow groundwater at a concentration of 23 µg/L (ppb).

Purpose of Recent Subsurface Investigation

The purpose of this subsurface investigation was to collect soil and groundwater samples at several boring locations in order to assess the subsurface environmental conditions both up- and down-gradient of the previous underground tank location. The investigation was performed in accordance with the "Proposed Workplan For Subsurface Investigation, Siegel & Strain Property", by Hageman-Aguilar, Inc., dated December 1, 1998. A letter of approval from Susan Hugo, Alameda County Environmental Health, dated January 13, 1999, is provided in Attachment A.

II. LOCAL HYDROGEOLOGY

Hydrogeologic Setting

The location of the site with respect to surface topography and various hydrologic features is shown in Figure 3. The soils beneath the site consist of Quaternary Alluvium overlying Franciscan bedrock (*Geologic Map of California, San Francisco Sheet*, State of California Division of Mines and Geology, 1980). Bedrock is likely to occur at a depth of greater than 50 feet beneath the site. On this portion of the low-lying Bay Plain in close proximity to San Francisco Bay, the soils beneath the site can be expected to consist primarily of fine grain soils (silts and clays), with the majority of shallow groundwater movement occurring in thin sand and gravel layers and/or "stringers". In addition to naturally occurring alluvium, artificial fill overlying young Bay Mud can be found throughout this portion of Emeryville.

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 Berkeley Hills (area of groundwater recharge) and move westward toward San Francisco Bay (area of discharge).

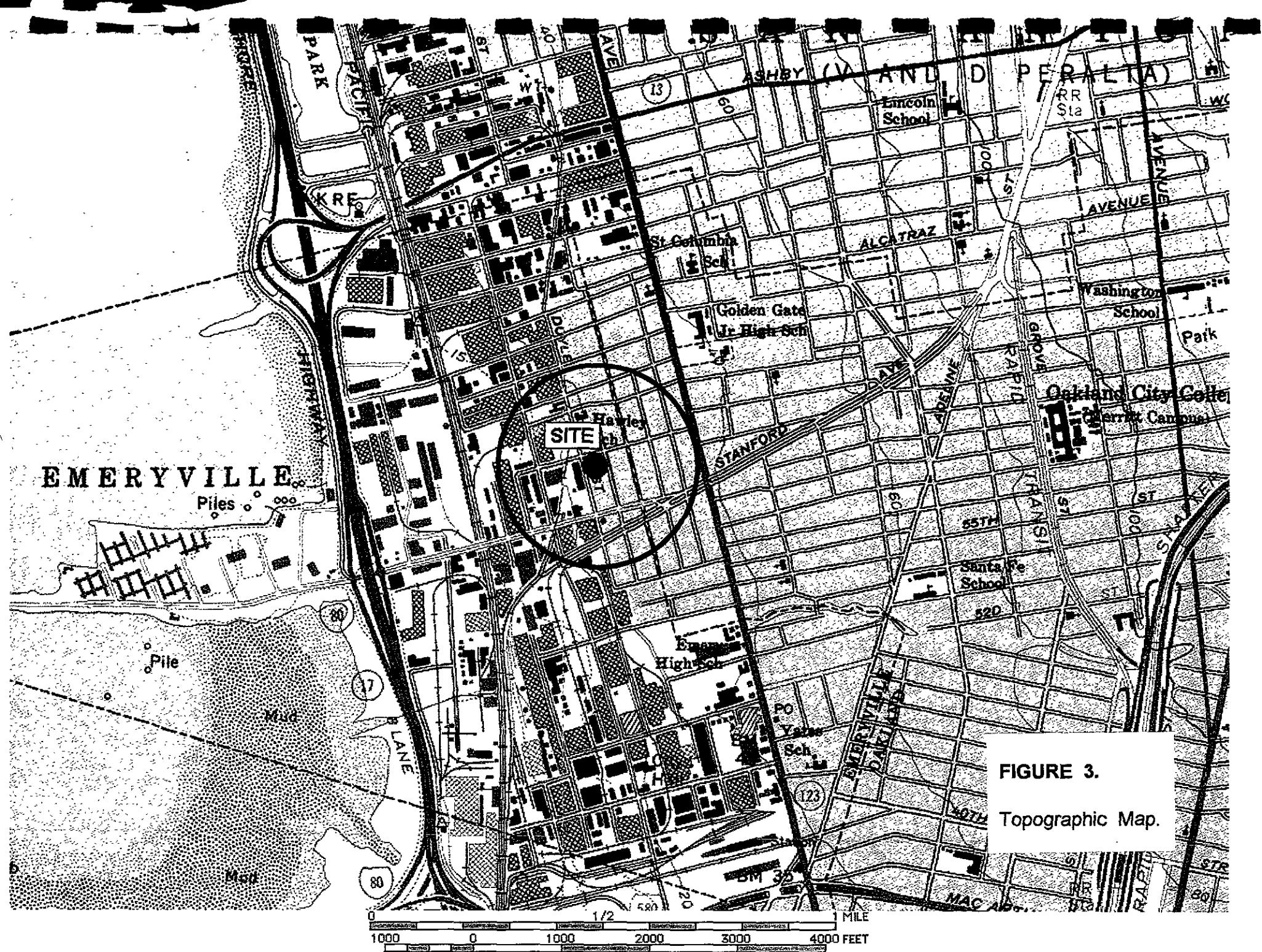


FIGURE 3.
Topographic Map.

III. FIELD WORK

Sampling Locations

The subsurface investigation field work was conducted on February 10, 1999. The three boring locations SB-1, SB-2 and SB-3 are shown in Figure 4. The locations were selected based upon an attempt to assess the subsurface environmental conditions both up- and down-gradient of the previous underground tank location.

Soil Sampling

On February 10, 1999, shallow soil samples were collected by hand from locations SB-1, SB-2 and SB-3. At each of the sampling locations, soil samples were collected by Hageman-Aguiar, Inc., personnel using a 3-inch diameter hand-auger.

At each of three boring locations, extremely shallow groundwater was encountered. Shallow groundwater was found to be present beneath the site at a depth of approximately 2 feet below ground surface. Soil samples for chemical analyses were collected from borings SB-1, SB-2 and SB-3 at depths of 2.5 feet, 2.0 feet and 1.5 feet below the ground surface. After hand augering to the desired depth, a soil sample was collected by driving a 2-inch diameter, 6-inch long, brass tube directly into undisturbed soil in the center of the hand auger. The ends of the brass tube were sealed with Teflon film, over which were placed plastic end-caps. The end-caps were then sealed onto the brass tube with clean

59th STREET

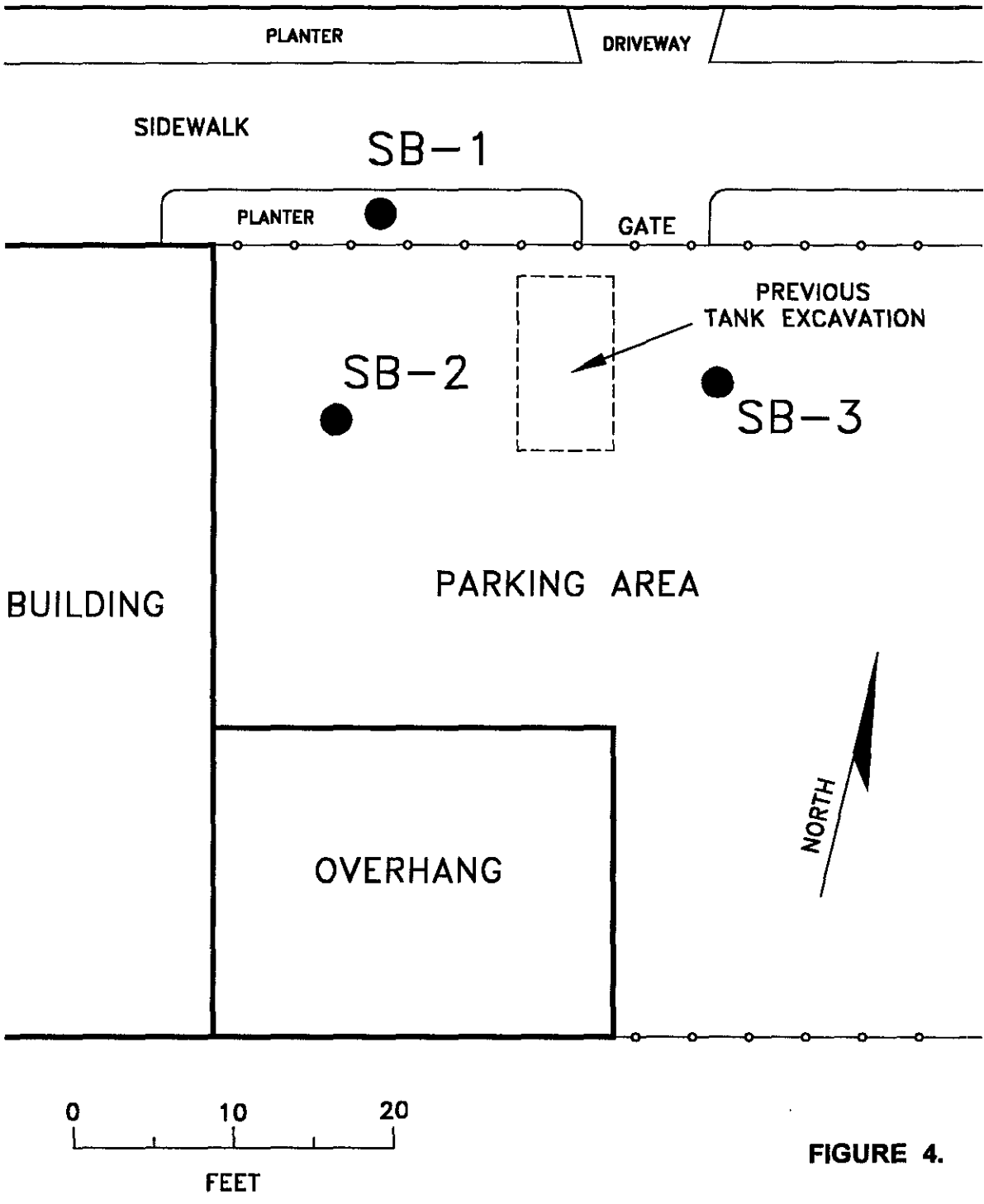


FIGURE 4.
Boring Locations.

plastic adhesive tape. All samples were immediately placed on ice, then transported under chain-of-custody to Chromalab Laboratory in Pleasanton, California, at the conclusion of the field work.

Groundwater Sampling

Upon completion of each hand boring, a "grab" groundwater sample was collected using a new disposable sampling bailer. The water samples were placed inside 40 ml VOA vials free of any headspace and 1-liter amber bottles. The groundwater samples were immediately placed on crushed, then transported under chain-of-custody to Chromalab Laboratory in Pleasanton, California, at the conclusion of the field work.

Boring Logs

The soil sampling operation was conducted under the supervision of Fred Hayden, staff geologist. All of the soil and groundwater that was encountered during the field work had a natural appearance, with no discernible odor of any kind. The boring logs are provided in Attachment B.

Borehole Sealing

Following the completion of the field work, the temporary casings were removed, and the entire length of each borehole was sealed with neat cement grout.

Equipment Decontamination

All sampling equipment, including augers, drive samplers, and brass tubes were decontaminated by washing in a water & TSP solution, followed by a double water rinse.

IV. ANALYTICAL RESULTS

Laboratory Analysis

All analyses were conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures. The laboratory analyses were performed by Chromalab in Pleasanton, California.

Soil samples were analyzed for:

- 1) Total Petroleum Hydrocarbons as Gasoline (EPA method 8015 Modified).
- 2) Benzene, Toluene, Ethylbenzene, and Total Xylenes (EPA method 8020).
- 3) Total Petroleum Hydrocarbons as Diesel (EPA method 8015 Modified).
- 4) Methyl Tertiary Butyl Ether (MTBE) (EPA method 8020 Modified).

Groundwater samples were analyzed for:

- 1) Total Petroleum Hydrocarbons as Gasoline (EPA method 8015 Modified).
- 2) Benzene, Toluene, Ethylbenzene, and Total Xylenes (EPA method 8020).
- 3) Total Petroleum Hydrocarbons as Diesel (EPA method 8015 Modified).
- 4) Methyl Tertiary Butyl Ether (MTBE) (EPA method 8020 Modified).
- 5) Halogenated Volatile Organic Compounds (EPA method 8010).

Analytical Results: Soil

Table 1 presents the results of the laboratory analysis of the soil samples collected from the three soil borings SB-1, SB-2 and SB-3. Copies of the laboratory certificates for the soil sample analyses are provided in Attachment C.

As shown in Table 1, no detectable concentration of either Gasoline, Diesel, BTEX or MTBE was found in any of the soil samples collected from borings SB-1, SB-2 and SB-3.

TABLE 1.

Soil Sampling Results

Sampled on February 10, 1999

Boring	Depth (feet)	TPH as Diesel (mg/kg)	TPH as Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)
SB-1	2.5	ND	ND	ND	ND	ND	ND	ND
SB-2	2.0	ND	ND	ND	ND	ND	ND	ND
SB-3	1.5	ND	ND	ND	ND	ND	ND	ND
Detection Limit		1.0	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050

ND = not detected

Analytical Results: Groundwater

Tables 2 and 3 presents the results of the laboratory analysis of the groundwater samples collected from the three soil borings SB-1, SB-2 and SB-3. Copies of the laboratory certificates for the groundwater sample analyses are provided in Attachment C.

As shown in Table 2, no detectable concentration of either Gasoline, Diesel, BTEX or MTBE was found in any of the shallow “grab” groundwater samples collected from borings SB-1, SB-2 and SB-3.

As shown in Table 3, no detectable concentration of either Tetrachloroethene (PCE) or any other Halogenated Volatile Organic Compound was found in any of the shallow “grab” groundwater samples collected from borings SB-1, SB-2 and SB-3.

TABLE 2.

Shallow "Grab" Groundwater Sampling Results

Boring	Date	TPH as Diesel (ug/L)	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
SB-1	02-10-99	ND	ND	ND	ND	ND	ND	ND
SB-2	02-10-99	ND	ND	ND	ND	ND	ND	ND
SB-3	02-10-99	ND	ND	ND	ND	ND	ND	ND
Detection Limit		50	50	0.5	0.5	0.5	0.5	0.5

ND = not detected

TABLE 3.

Shallow "Grab" Groundwater Sampling Results

Boring	Date	(TCE) Trichloro- ethene (ug/L)	(TCA) 1,1,1- Trichloro- ethane (ug/L)	(PCE) Tetrachloro- ethene (ug/L)	Other Compounds by EPA 8010 (ug/L)
SB-1	02-10-99	ND	ND	ND	ND
SB-2	02-10-99	ND	ND	ND	ND
SB-3	02-10-99	ND	ND	ND	ND
Detection Limit		0.5	0.5	0.5	0.5

ND = Not Detected

V. SUMMARY

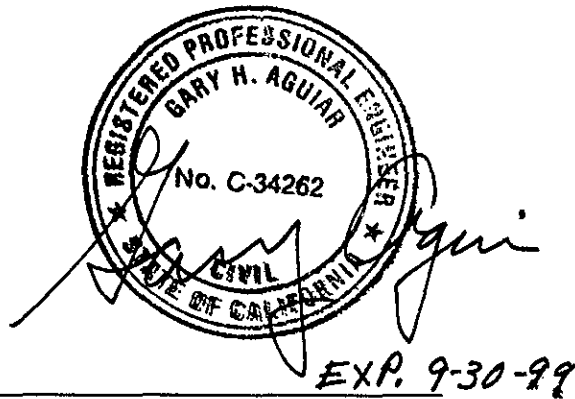
- 1) Shallow groundwater is present beneath the site at a depth of approximately 2 feet below ground surface.
- 2) All of the soil and groundwater that was encountered during the field work had a natural appearance, with no discernible odor of any kind.
- 3) No detectable concentration of either Gasoline, Diesel, BTEX or MTBE was found in any of the soil samples collected from borings SB-1, SB-2 and SB-3.
- 4) No detectable concentration of either Gasoline, Diesel, BTEX or MTBE was found in any of the shallow "grab" groundwater samples collected from borings SB-1, SB-2 and SB-3.
- 5) No detectable concentration of either Tetrachloroethene (PCE) or any other Halogenated Volatile Organic Compound was found in any of the shallow "grab" groundwater samples collected from borings SB-1, SB-2 and SB-3.

REPORT OF SUBSURFACE INVESTIGATION

SIEGEL & STRAIN PROPERTY

1295 59th Street, Emeryville, CA.

February 24, 1999



Gary Aguiar

RCE 34262

ATTACHMENT A

Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

January 13, 1999

Mr. Henry Seigel
Siegel & Strain Architects
1295 59th Street
Emeryville, California 94608

**RE: Proposed Work Plan for Subsurface Investigation at Scigel & Strain Property
1295 59th Street, Emeryville, California 94608 (STID# 6633)**

Dear Mr. Seigel:

This agency has reviewed the proposed work plan for subsurface investigation dated December 1, 1998, prepared and submitted by Hageman - Aguiar for the above referenced site.

The work plan to determine the extent of petroleum hydrocarbon contamination in soil and groundwater related to the former underground storage tank (UST) removed at the site is acceptable provided that the following items are addressed:

1. At a minimum, one soil sample must be collected from each boring, preferably at the soil / water interface. Both soil and groundwater samples collected from each boring must be analyzed for TPH as gasoline, TPH as diesel, benzene, ethyl benzene, xylene, toluene (BTEX), methyl tertiary butyl ether (MTBE) and chlorinated solvents.
2. Notify our office at least 72 hours in advance of any field activity at the site.

A report documenting the results of this investigation must be submitted to this office no later than 60 days after completion of the work plan implementation.

If you have any questions or comments concerning this letter or the subject site, please call me at (510) 567-6780.

Sincerely,

Susan L. Hugo
Hazardous Materials Specialist

c: Chuck Headlee, San Francisco Bay Regional Water Quality Control Board
Renee Athey, Hageman-Aguiar, 11100 San Pablo Ave., Suite 200-A, El Cerrito, CA 94530
SH / files

ATTACHMENT B

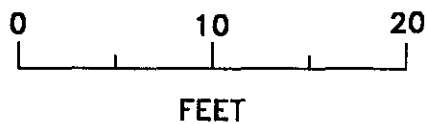
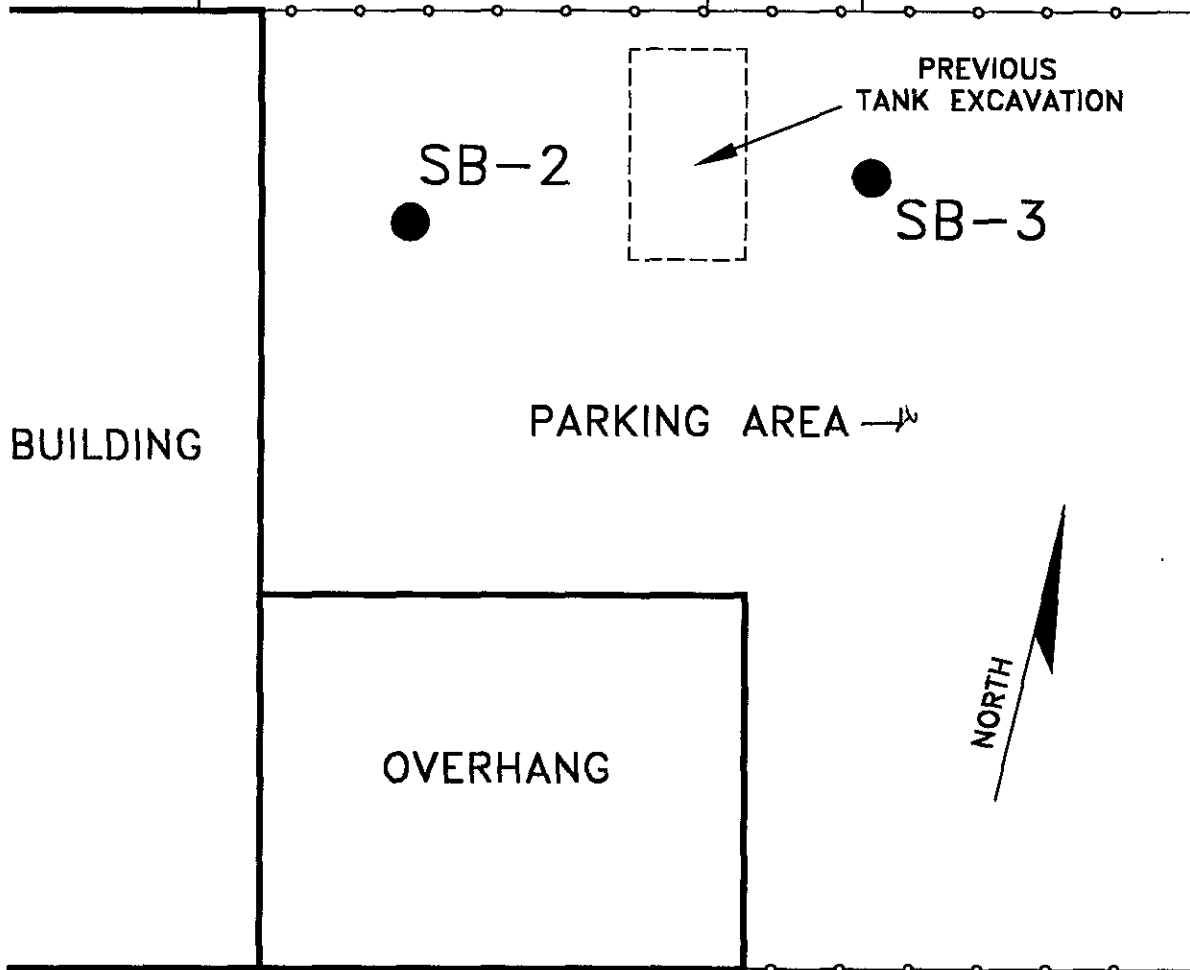
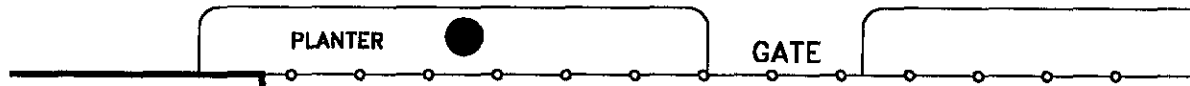
Boring Logs

59th STREET



SIDEWALK

SB-1



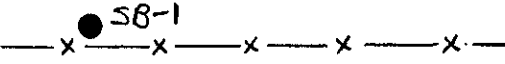
LOCATION OF BORING 59th STREET

PROJECT NAME & LOCATION
1295-59th ST., EMERYVILLE, CA

SIDEWALK

DRILLING METHOD:
HAND AUGER

BORING
SB-1



SAMPLING METHOD:

SHT
1 of 1

DRILLING

BLDG

PREVIOUS TANK LOCATION

SCALE: 1" = 20'

WATER LEVEL 2.7'
TIME 0920
DATE 2/10/99

START TIME
0915

FINISH TIME
0930

CASING DEPTH SCREEN

DATE
2/10/99

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		
					1		BLACK TOPSOIL (PT), HIGHLY ORGANIC, ROOTS
					2		DK BRN CLAY (CL), MOIST, SILTY, (NO ODOR)
				0925	3		BRN CLAYEY SAND (SC), MOIST, DK YELLOWISH BRN. (NO ODOR)
					4		
					5		
					6		
					7		
					8		
					9		
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		
							TOTAL DEPTH = 3.5' BGS

WATER SAMPLE
@ 0925

LOCATION OF BORING 59th STREET				PROJECT NAME & LOCATION 1295-59th ST., EMERYVILLE, CA			
SIDEWALK 				DRILLING METHOD: HAND AUGER		BORING SB-2	
				SAMPLING METHOD:		SHT 1 of 1	
				WATER LEVEL 1.7'		DRILLING START FINISH	
				TIME 1006		TIME 1000 1010	
				DATE 2/10/99		DATE 2/10/99 2/10/99	
				CASING DEPTH		SCREEN	

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		TAN GRAVEL (GP)
					1		BRN SAND (SC), MOIST, LOAMY, MOD. YELLOWISH BRN TO DK. YELLOWISH BRN.
				1010	2		(NO ODOR)
					3		
					4		
					5		TOTAL DEPTH = 2.3' BGS
					6		
					7		
					8		
					9		
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		

LOCATION OF BORING 59th STREET

PROJECT NAME & LOCATION

1295-59th ST, EMERYVILLE, CA

SIDEWALK

DRILLING METHOD:

HAND AUGER

BORING

SB-3

SHT

1 of 1

SAMPLING METHOD:

DRILLING

START

FINISH

TIME

TIME

DATE

DATE

WATER LEVEL

TIME 1.1'

DATE 1025

CASING DEPTH

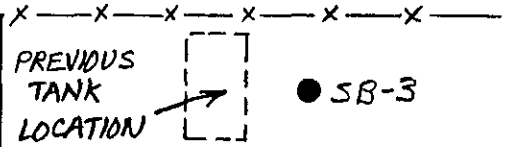
2/10/99

SCREEN

2/10/99

3/10/99

BLDG



SCALE: 1" = 20'

SURFACE CONDITIONS:

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS
					0	
					1	
				1030	2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					0	
					1	
					2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					0	

TAN GRAVEL (GP)
 BRN CLAYEY SAND (SC), MOIST TO SATURATED,
 MOD. YELLOWISH BRN TO DK. YELLOWISH BRN.

(NO ODOR)

TOTAL DEPTH = 1.5' BGS

WATER SAMPLE
 @ 1030

ATTACHMENT C

Analytical Results

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: SB-1

Spl#: 228627

Matrix: WATER

Sampled: February 10, 1999


Run#:17398

Analyzed: February 16, 1999

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	93	1
MTBE	N.D.	5.0	N.D.	121	1
BENZENE	N.D.	0.50	N.D.	110	1
TOLUENE	N.D.	0.50	N.D.	109	1
ETHYL BENZENE	N.D.	0.50	N.D.	106	1
XYLENES	N.D.	0.50	N.D.	103	1



Vincent Vancil
Analyst



Michael Verona
Operations Manager

510-620-0894

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096
Federal ID #68-0140157

PM V132 C:BTEXQC0220
CRAIG 15:28

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET

Received: February 11, 1999

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: SB-2

Spl#: 228628

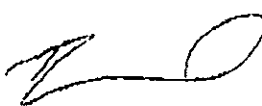
Matrix: WATER

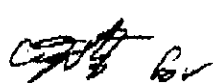
Sampled: February 10, 1999

Run#:17435

Analyzed: February 16, 1999

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	90	1
MTBE	N.D.	5.0	N.D.	115	1
BENZENE	N.D.	0.50	N.D.	103	1
TOLUENE	N.D.	0.50	N.D.	102	1
ETHYL BENZENE	N.D.	0.50	N.D.	98	1
XYLENES	N.D.	0.50	N.D.	97	1


Vincent Vancil
Analyst


Michael Verona
Operations Manager

510-620-0894

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096
Federal ID #68-0140157

PH V132 0: BTEXQC0220
CRMG 1528

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: SB-3

Spl#: 228629

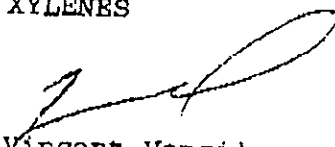
Matrix: WATER

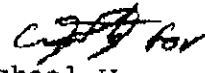
Sampled: February 10, 1999

Run#: 17398

Analyzed: February 16, 1999

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	93	1
MTBE	N.D.	5.0	N.D.	121	1
BENZENE	N.D.	0.50	N.D.	110	1
TOLUENE	N.D.	0.50	N.D.	109	1
ETHYL BENZENE	N.D.	0.50	N.D.	106	1
XYLENES	N.D.	0.50	N.D.	103	1


Vincent Vancil
Analyst


Michael Verona
Operations Manager

510-620-0894

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096
Federal ID #68-C140157

FM V1320:BTEXQC022C
GRAPH 15.21

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: 9B-1-2.5

Spl#: 228624


Sampled: February 10, 1999

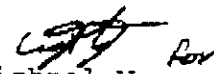
Matrix: SOIL

Run#:17418

Analyzed: February 17, 1999

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	100	1
MTBE	N.D.	0.0050	N.D.	94	1
BENZENE	N.D.	0.0050	N.D.	94	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	95	1
XYLENES	N.D.	0.0050	N.D.	94	1


Vincent Vancil
Analyst


Michael Verona
Operations Manager

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Federal ID #68-0140157

PM V1320:BTEXQCC0220
CRAIG 1628

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: SB-2-2.0

Spl#: 228625

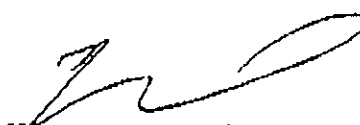
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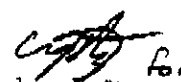
Sampled: February 10, 1999

Run#:17418

Analyzed: February 17, 1999

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	100	1
MTBE	N.D.	0.0050	N.D.	94	1
BENZENE	N.D.	0.0050	N.D.	94	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	95	1
XYLENES	N.D.	0.0050	N.D.	94	1


Vincent Vancil
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Federal ID #68-0140157

PMV102 D:BTEXDC0220
CRMS 1128

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: SB-3-1.5

Spl#: 228626

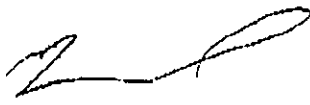
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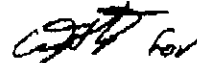
Sampled: February 10, 1999

Run#:17418

Analyzed: February 17, 1999

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	100	1
MTBE	N.D.	0.0050	N.D.	94	1
BENZENE	N.D.	0.0050	N.D.	94	1
TOLUENE	N.D.	0.0050	N.D.	95	1
ETHYL BENZENE	N.D.	0.0050	N.D.	95	1
XYLENES	N.D.	0.0050	N.D.	94	1


Vincent Vancil
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Federal ID #68-0140157

PN V132 Q:BTEXQC0220
CRAG 1528

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: 6 samples for TPH - Diesel analysis.
Method: EPA 8015M


Matrix: SOIL
Sampled: February 10, 1999 Run#: 17376
Extracted: February 12, 1999
Analyzed: February 16, 1999

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
228624	SB-1-2.5	N.D.	1.0	N.D.	77.4	1
228625	SB-2-2.0	N.D.	1.0	N.D.	77.4	1
228626	SB-3-1.5	N.D.	1.0	N.D.	77.4	1

Matrix: WATER
Sampled: February 10, 1999 Run#: 17384
Extracted: February 12, 1999
Analyzed: February 13, 1999

Spl#	CLIENT SPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
228627	SB-1	N.D.	50	N.D.	89.2	1
228628	SB-2	N.D.	50	N.D.	89.2	1
228629	SB-3	N.D.	50	N.D.	89.2	1


Carolyn House
Analyst


Bruce Havlik
Analyst

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

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

Client Sample ID: SB-1

Spl#: 228627

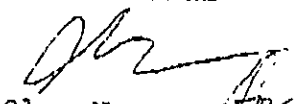
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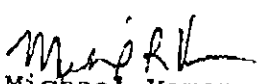
Sampled: February 10, 1999

Run#: 17451

Analyzed: February 17, 1999

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE FACTOR (%)	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.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	96.0	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.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	122	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.	--	1
BROMOFORM	N.D.	2.0	N.D.	100	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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Federal ID #68-0140157

V930 6 000406 QLE8 10-08

CHROMALAB, INC.

Environmental Services (SOB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

re: One sample for Volatile Halogenated Organics analysis.
Method: SW846 Method 8C10A July 1992

Client Sample ID: SB-2

Spl#: 228628


Matrix: WATER

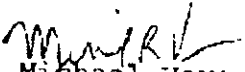
Sampled: February 10, 1999

Run#: 17451

Analyzed: February 17, 1999

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.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	96.0	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.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	122	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.	--	1
BROMOFORM	N.D.	0.50	N.D.	100	1
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	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.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	2.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
	N.D.	1.0	N.D.	--	1


Oleg Nemtsov
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

February 18, 1999

Submission #: 9902151

HAGEMAN-AGUIAR, INC.

Atten: Randal Wilson

Project: 1295 59TH STREET
Received: February 11, 1999

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

Client Sample ID: SB-3

Spl#: 228629

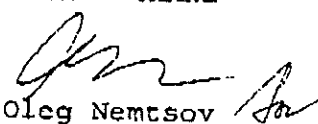
Matrix: WATER

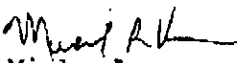
Sampled: February 10, 1999

Run#: 17451

Analyzed: February 17, 1999

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
TRICHLOROFUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	96.0	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.	--	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	122	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.	--	1
BROMOFORM	N.D.	0.50	N.D.	100	1
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	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.	0.50	N.D.	--	1
CHLOROMETHANE	N.D.	2.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1
	N.D.	1.0	N.D.	--	1


Oleg Nemtsov
Analyst


Michael Verona
Operations Manager

44563

CHAIN OF CUSTODY RECORD

PROJECT NAME AND ADDRESS: <u>1295 59th Street</u> <u>Emeryville CA</u>			SAMPLER: (Signature) <u>Randal Wilson</u> HAGEMAN - AGUIAR, INC. 11100 San Pablo Ave., Suite 200-A El Cerrito, CA 94530 (510)620-0891 (510)620-0894 (FAX)			ANALYSIS REQUESTED <i>TPH-Gas, BTEX, MTBE</i> <i>TPH-Diesel</i> <i>EPA 8010</i>						
CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	SAMPLE LOCATION							REMARKS
SB-1-2.5	2/10/99	0925	X		Street planter strip	X	X					Normal
SB-1	2/10/99	0925		X	6 VOAS	X		X				Turnaround
SB-1	2/10/99	0925		X	1 Liter		X					Time
24 SB-2-7.3	2/10/99	1010	X		Courtyard - west	X	X					Please
SB-2	2/10/99	1010		X	6 VOAS	X		X				↓
SB-2	2/10/99	1010		X	1 Liter		X					
SB-3-15	2/10/99	1030	X		Courtyard - east	X	X					↓
SB-3	2/10/99	1030		X	6 VOAS	X		X				
SB-3	2/10/99	1030		X	1 Liter		X					
												3.8°C
RELINQUISHED BY: (Signature) <u>Randal Wilson</u>					DATE 02/11/99	RECEIVED BY: (Signature) <u>[Signature]</u>					DATE 2/11/99	
RELINQUISHED BY: (Signature)					DATE TIME	RECEIVED BY: (Signature)					DATE TIME	
RELINQUISHED BY: (Signature)					DATE TIME	RECEIVED BY: (Signature)					DATE TIME	
RELINQUISHED BY: (Signature)					DATE TIME	RECEIVED FOR LABORATORY BY: (Signature)					DATE TIME	