

SAFETY SPECIALISTS, Inc.
The Full Service Environmental, Health & Safety Corporation

P.O. Box 4420, Santa Clara, CA 95054
Telephone (408) 988-1111
Contractor's License No. 460905

*Copy to King
Copy to Alameda
County*

AUG 16 1988

August 5, 1988

Mr. Bob Smith
Tank Excavators
P.O. Box 8402
Santa Cruz, CA 95061

RECEIVED
AUG 19 1988

Reference: Safety Specialists, Inc. Project No. 530020
4549 Horton Street, Emeryville, California

HAZARDOUS MATERIALS/
WASTE PROGRAM

Dear Mr. Smith:

Safety Specialists, Inc. is pleased to present this report documenting soil sample collection performed on July 8, 1988 at 4549 Horton Street, Emeryville, California. Also enclosed are laboratory analytical results for the soil samples. A site map is presented as Figure 1.

On July 8, 1988, Tank Excavators excavated and removed a 1,000 gallon gasoline underground storage tank at 4549 Horton Street, in Emeryville, California. The tank was visually inspected at the time of removal, and no holes were noted in the tank. The tank was loaded onto a H&H trailer for disposal. H&H is a registered waste hauler. Dennis Byrne of the Alameda County Health Agency specified depth and location of soil sample collection. Soil samples were collected by Safety Specialists, Inc., Hydrogeologist Paul King. Soil sample collection locations are shown in Figure 1.

Soil for Soil Sample S-1 was excavated into the bucket of a backhoe from the south end of the excavation at a depth of 9 1/2 feet. The soil was then collected into a 6" long, 2" diameter brass sleeve. Before use, the brass sleeve and plastic end caps were washed in a trisodium phosphate solution followed by a distilled water rinse. The ends of the brass sleeve were capped with aluminum foil followed by plastic caps. The brass sleeve was then labeled, and placed in a cooler with ice.

Soil for Soil Sample S-2 was excavated into the bucket of a backhoe from the north end of the excavation at a depth of 9 feet. Soil Sample S-2 was collected in a manner identical to the collection of Soil Sample S-1. Gasoline petroleum hydrocarbon odors were noted in both samples.

The soil samples were transported to Fireman's Fund Laboratories in Petaluma, California, a State-certified hazardous waste testing laboratory. Chain of custody procedures were followed.

Laboratory analysis was performed on both soil samples for low boiling point Total Petroleum Hydrocarbons (TPH), and benzene, toluene, ethylbenzene and xylene using EPA Methods 5020, 8015, and 8020.

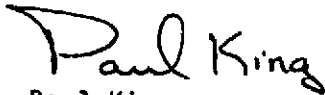
Laboratory analysis of Soil Sample S-1 detected 86.0 milligrams per kilogram (mg/kg) TPH as gasoline, 1.0 mg/kg toluene, 1.7 mg/kg xylene and 1.0 mg/kg ethylbenzene. Laboratory analysis of Soil Sample S-2 detected 616.0 mg/kg TPH as gasoline, 0.35 mg/kg benzene, 1.6 mg/kg toluene, 158 mg/kg xylenes and 23 mg/kg ethylbenzene.

The chain of custody record and laboratory analytical results are presented with this report.

If you have any questions, please do not hesitate to contact us.

Sincerely,

SAFETY SPECIALISTS, INC.

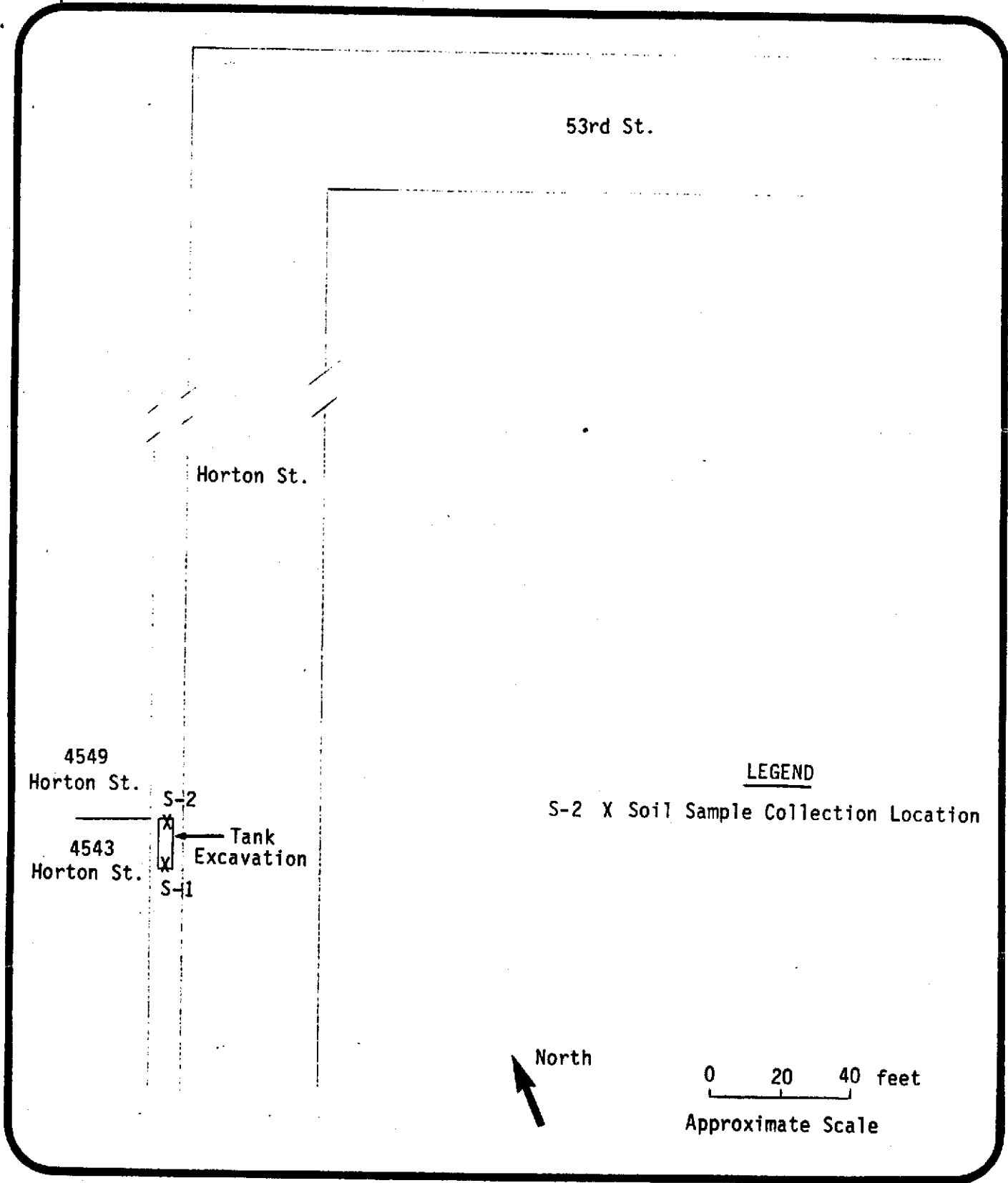


Paul King
Hydrogeologist
Environmental Engineering Services

PK:mt

Enclosures





SITE PLAN
Soil Sample Collection
4549 Horton St.
Emeryville, California

Figure No.
1
530020
Project No.

Job # 3275-88



SAFETY SPECIALISTS, Inc.
The Full Service Environmental, Health & Safety Corporation

P.O. Box 4420, Santa Clara, CA 95054
Telephone (408) 988-1111
Contractor's License No. 460905

CHAIN OF SAMPLE CUSTODY RECORD

Collector: Paul King Date Sampled: 7/8/88 Time: 1010
 Location of Sampling: 4549 Horton St.
Emeryville, CA
 Project Number: 530020 Survey Number: TE-214-88
 Sample Type: _____
 Container Type and Condition: _____
 Contract Laboratory Record/Name: Fireman's Fund, Petaluma

Sample ID	Field Information
S-1	6" brass sleeve ^{late} 7/8/88 ^{time} 1010
S-2	6" brass sleeve 7/8/88 1010

Analysis Requested:
 S-1 Low boil TPH (gasoline) & BTEX 5020/8015/8020
 S-2 Low boil TPH (gasoline) & BTEX 5020/8015/8020

Results Needed By: Normal turnaround

Travel Blank: Yes No Travel Blank to be Analyzed Separately: Yes No
 Duplicate Samples: Yes No Duplicates to be Analyzed Separately: Yes No
 Field Blank: Yes No Field Blank to be Analyzed Separately: Yes No
 Background Soil Sample: Yes No Background Soil Sample to be Analyzed Separately: Yes No

Chain of Custody

1. <u>Paul King</u> Field Personnel	<u>7/11/88</u> Date
2. <u>[Signature]</u> Courier	<u>7/11/88</u> Date
3. <u>[Signature]</u> Lab	<u>7-12-88</u> Date



FIREMAN'S FUND
INSURANCE COMPANIES
 Environmental Laboratory
 3700 Lakeville Highway
 Petaluma, CA 94952
 800-FFIC-LAB

ENVIRONMENTAL LABORATORY

Paul King
 Safety Specialists, Inc.
 Environmental Department
 3060 Raymond Street
 Santa Clara, CA 95054

L A B O R A T O R Y R E S U L T S

Supply/Order No.:	Laboratory Job No.: 883275
Client's Survey No.: E214-88	Date Received: 07/12/88
Contract/PO No.: 4549 WARTON ST. EMERYVILLE CA.	Date Reported: 07/29/88
Release No.: 530020	Client Code: SSPE18

ASSAY:TPH/GASOLINE & BTEX EPA/5020/8015/8020
 MATRIX:SOIL

LABNO SMPLNO-ID	RESULTS	DET.LIM
-----	-----	-----
38387 S1 GASOLINE	86.0 mg/kg	2.0 mg/kg
38388 S2 GASOLINE	616.0 mg/kg	10.0 mg/kg

ANALYST:JEAN M.BONITE



**FIREMAN'S FUND
INSURANCE COMPANIES**

Environmental Laboratory
3700 Lakeville Highway
Petaluma, CA 94952
800-FFIC-LAB

ENVIRONMENTAL LABORATORY

Page 2

L A B O R A T O R Y R E S U L T S

Laboratory Job No.: 883275

ASSAY:
MATRIX:

<u>LABNO SMPLNO-ID</u>	<u>RESULTS</u>	<u>DET.LIM</u>
38387 S1		
BENZENE	<0.02 mg/kg	0.02 mg/kg
TOLUENE	1.0 mg/kg	0.02 mg/kg
XYLENE	1.7 mg/kg	0.02 mg/kg
ETHYLBENZENE	1.0 mg/kg	0.02 mg/kg
38388 S2		
BENZENE	0.35 mg/kg	0.10 mg/kg
TOLUENE	1.6 mg/kg	0.10 mg/kg
XYLENE	158 mg/kg	0.10 mg/kg
ETHYLBENZENE	23 mg/kg	0.10 mg/kg

ANALYST: JEAN M. BONITE