NOV 04 1988

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

October 31, 1988

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

Reference: Safety Specialists, Inc., Project No. 530039
4549 Horton Street, Emeryville, California

Dear Mr. Smith:

Safety Specialists, Inc. is pleased to present this report documenting soil sample collection performed on September 30, 1988 at 4549 Horton Street, Emeryville, California. Also enclosed are laboratory analytical results and chain-of-custody documentation 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 results of the analysis performed on soil collected from the excavation were presented in Safety Specialists, Inc. report Number 53020 dated August 5, 1988.

On September 30, 1988 Tank Excavators excavated and removed a 550 gallon gasoline tank adjacent to the location of the 1,000 gallon tank that was excavated on July 8, 1988. 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.'s personnel. Soil sample collection locations are shown in Figure 1.

? lowest on site for this removal

Soil for Soil Sample X-1 was excavated into the bucket of a backhoe from the south end of the excavation at a depth of 12 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 X-2 was excavated into the bucket of a backhoe from the north end of the excavation at a depth of 12 feet. Soil Sample X-2 was collected in a manner identical to the collection of Soil Sample X-1. Gasoline petroleum hydrocarbon odors were noted in both samples.

The soil samples were transported to Sequoia Laboratories in Redwood City, 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) as gasoline, and benzene, toluene, ethylbenzene and xylene, using EPA Methods 5020, 8015, and 8020 and total lead using EPA Method 7421.

Laboratory analysis of Soil Sample X-1 detected 4.9 milligrams per kilogram (mg/kg) TPH as gasoline, and 9.5 mg/kg lead. Laboratory analysis of Soil Sample X-2 detected 41 mg/kg TPH as gasoline, 1.0 mg/kg xylenes, 0.20 mg/kg ethylbenzene, and 8.1 mg/kg lead.

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,

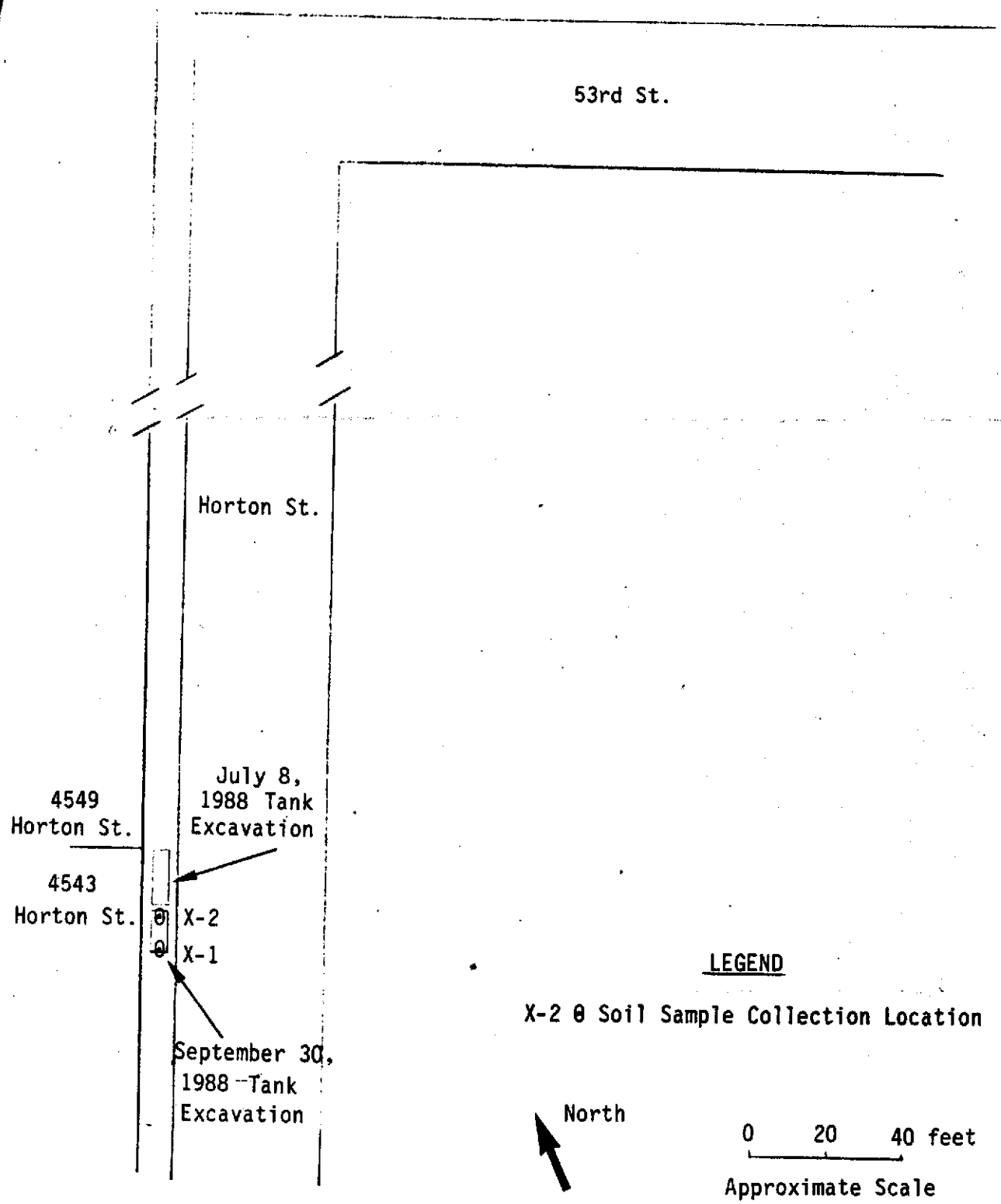
SAFETY SPECIALISTS, INC.

Paul King

Paul H. King
Hydrogeologist
Environmental Engineering Services

PHK:mw

Enclosures



SAFETY SPECIALISTS INC.
SANTA CLARA, CA.

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

Figure No. 1

530039
Project No.

SAFETY SPECIALISTS, Inc.
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CHAIN OF SAMPLE CUSTODY RECORD

Collector: Youssef Date Sampled: 9/30/88 Time: 1:00

Location of Sampling: - Emeryville -

Project Number: 530039 Survey Number: 283-88

Sample Type: soil

Container Type and Condition: brass sleeves

Contract Laboratory Record/Name:

Sample ID	Field Information
X-1	Sample from beneath the tank away from gate
X-2	Sample from beneath the tank close to gate

Analysis Requested: Analyse each sample for TPH (gasoline + BTEX) using EPA 5030/8015/8020 + Lead (Total)

Results Needed By: Normal

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. Field Personnel	Y. Shoukry	9/30/88 Date
2. Courier	Y. Shoukry	10/3/88 Date
3. Lab	[signature]	10/3/88 1:35 PM Date

SEQUOIA ANALYTICAL
680 Chesapeake Drive · Redwood City, CA 94063
(415) 364-9222 · FAX (415) 364-9233

Safety Specialists, Inc.
P.O. Box 4420
Santa Clara, CA 95054
Attn: Youssef

Date Sampled: 09/30/88
Date Received: 10/03/88
Date Analyzed: 10/14/88
Date Reported: 10/20/88

Project: #530039, Survey #283-88

TOTAL PETROLEUM FUEL
HYDROCARBONS WITH BTEX DISTINCTION

Sample Number	Sample Description Soil	Low to Medium Boiling Point Hydrocarbons ppm	Benzene ppm	Toluene ppm	Ethyl Benzene ppm	Xylenes ppm
8100010	X-1	4.9	N.D.	N.D.	N.D.	N.D.
8100011	X-2	41	N.D.	N.D.	0.20	1.0
Detection Limits:		1.0	0.05	0.1	0.1	0.1

Method of Analysis: EPA 5030 or 3810/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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Date Sampled: 09/30/88
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LABORATORY ANALYSIS

Analyte: Lead

Sample Number	Sample Description Soil	Detection Limit mg/kg	Sample Result mg/kg
8100010	X-1	0.05	9.5
8100011	X-2	0.05	8.1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director