P.O. Box 4420, Santa Clara, CA 95054 Telephone (408) 958-1111 Contractor's License No. 460905

May 25, 1990

Mr. Robert Smith Tank Excavators P.O. Box 8402 Santa Cruz, CA 95601

Reference: Safety Specialists, Inc., Project Number 530178

Dear Mr. Smith:

This report documents the soil sampling activities by Safety Specialists, Inc., during tank removal operations at 295 Park Street in San Leandro, California.

On May 9, 1990 Tank Excavators excavated and removed one gasoline tank from the subject site. The tank appeared sound and still retained its protective coating. Three soil samples were collected from a depth of two feet below the bottom of the tank (see figure 1). All samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and xylenes (BTEX).

## SOIL SAMPLING

The soil samples were collected in six-inch long, two-inch diameter, new brass sleeves. A backhoe was used to excavate soil from a depth of two feet below the tank. The sleeves were forced into the soil manually until

Upon collection in the brass sleeves, the samples were trimmed and the ends of the sleeves were covered with aluminum foil. The ends were then capped with plastic end-caps and sealed with tape. The samples were labeled as to time, date and sample location. The samples were then placed in a cooler with freezer packs and transported to Sequoia Analytical, a State-certified Hazardous Materials Testing Laboratory for analysis, accompanied by the proper chain of custody form.

## LABORATORY ANALYSIS AND RESULTS

EPA Methods 5030/8015/8020 were used to analyze TPHg/BTEX. TPHg was detected in all three samples at levels ranging from 250 to 1,800 mg/kg. The analytical results are summarized in the following table. Concentrations are in parts per million (ppm).



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

CARN WANGAN 305 Doming GO CT.
SAN RAMONA 830-1433 May 25, 1990

PHILLIPS PROP.

(

GARY

415-

Si 2!

SI

Mr. Robert Smith Tank Excavators P.O. Box 8402

Reference: Safety Specialists, Inc., project Number 53 Santa Cruz, CA 95601

This report documents the soil sampling activities by Inc., during tank removal operations at 295 Park Stree Dear Mr. Smith:

On May 9, 1990 Tank Excavators excavated and removed the subject site. The tank appeared sound and still California. protective coating. Three soil samples were collect feet below the bottom of the tank (see figure 1). A analyzed for total petroleum hydrocarbons as gasolir toluene, ethylbenzene, and xylenes (BTEX).

The soil samples were collected in six-inch long. brass sleeves. A backhoe was used to excavate so SOIL SAMPLING feet below the tank. The sleeves were forced int full.

Upon collection in the brass sleeves, the sample of the sleeves were covered with aluminum foil. with plastic end-caps and sealed with tape. time, date and sample location. The samples we with freezer packs and transported to Sequoia A Hazardous Materials Testing Laboratory for ana proper chain of custody form.

# LABORATORY ANALYSIS AND RESULTS

EPA Methods 5030/8015/8020 were used to analy detected in all three samples at levels rang The analytical results are summarized in the Concentrations are in parts per million (ppm

Analyte	Sample S1	Sample S2	Sample S3
	mg/kg	mg/kg	mg/kg
TPH/gasoline Benzene Toluene Ethylbenzene Xylenes	1000 .34 2.5 6.5 53	1800 .52 14 31 190	250 .44 3 2.3

## DISCUSSION

Concentrations of total petroleum hydrocarbons are higher than maximum contaminant levels allowable. Further excavation will be required. The walls and base of the new pit must be resampled to verify that excavation will be complete and no contamination remains in the soil.

Should groundwater be encountered then a water sample must be collected instead of soil samples. LUFT regulations state that at least one monitoring well must be installed and sampled to determine if the groundwater has been impacted. The County of Alameda Department of Health Services (DHS) and the Regional Water Quality Control Board (RWQCB) may require a total of three monitoring wells to be installed and sampled quarterly for up to two years.

Further, we recommend that the property owner ask the Alameda County DHS whether a Workplan and Schedule is required. Please note, that is the property owners responsibility to notify the lead agencies in cases of soil or groundwater contamination. Names and addresses are provided in Appendix B for your convenience. Should you wish Safety Specialists, Inc., to send copies of this report to these agencies, we will do so upon your authorization.

Should you have any questions concerning this report, please contact me at (408) 988-1111.

Sincerely,

SPECIALISTS, INC.

Robert F. Flory Project Geologist

Environmental Engineering Services

Reviewed by:

Costas Orountiotis Program Manager

Environmental Engineering Services

RFF/CO:eso



	110 1400400000		, _ ,
Analyte	Sample S1	Sample S2	Sample \$3
	mg/kg	mg/kg	mg/kg
TPH/gasoline Benzene Toluene Ethylbenzene	1000 .34 2.5 6.5	1800 .52 14 31	250 .44 3 2.3 13
Xvlene's	53	190	13

#### DISCUSSION

Concentrations of total petroleum hydrocarbons are higher than maximum contaminant levels allowable. Further excavation will be required. The walls and base of the new pit must be resampled to verify that excavation will be complete and no contamination remains in the soil.

Should groundwater be encountered then a water sample must be collected instead of soil samples. LUFT regulations state that at least one monitoring well must be installed and sampled to determine if the groundwater has been impacted. The County of Alameda Department of Health Services (DHS) and the Regional Water Quality Control Board (RWQCB) may require a total of three monitoring wells to be installed and sampled quarterly for up to two years.

Further, we recommend that the property owner ask the Alameda County DHS whether a Workplan and Schedule is required. Please note, that is the property owners responsibility to notify the lead agencies in cases of soil or groundwater contamination. Names and addresses are provided in Appendix B for your convenience. Should you wish Safety Specialists. Inc., to send copies of this report to these agencies, we will do so upon your authorization.

Should you have any questions concerning this report, please contact me at (408) 988-1111.

Sincerely,

SAFETT SPECIALISTS, INC.

Robert F. Flory Project Geologist

Environmental Engineering Services

Costas Orountiotis

Reviewed by:

Program Manager

Environmental Engineering Services

RFF/CO:eso

SAFETY SPECIALISTS, Inc.

ولولولها وله 17. Transporter 1 Acknowledgement of Receipt of Materials Year Month Day Printed/Typed Name Signature

BARRY A. ROCERS 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name

Signature

<u>Islalgigla</u> Month Day

Day

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

Do Not Write Below This Line

Ž

Ö

CASE

z

DHS 8022 A (1/88)

EPA 8700-22

(Rev. 9-86) Previous adillons are obsolute.

Do Not Write Below This Line

Bive: GENERATOR SENDS THIS COPY TO DOHS WITHIN 30 DAYS

# SANFORD EXHIBITS INC. FAX #282-0328 • PHONE #(415) 282-4291

EAV	TM ALIALMAA.A
P A X	
1 /7/	
	TRANSMISSION

TO: JOHN	SCHUETZE	
COMPANY:		
DEPARTMENT:	2	
FAX# <u>408 -</u>	377-0706	
FROM: Can	y WANGAN	
SUBJECT: 224	A. 27	
PAGE /	OF	
COMMENTS OF	SPECIAL INSTRUC	
	11/	
SIGNED _	I Way Jan	
(	' (J	

SENT BY: XEROX Telecopier 7017: 5-23-80 : 8:32AM ;



680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9600 • FAX (415) 364-9233

Safety Specialists, Inc.

P.O. Box 4420

Santa Ciara, CA 95054

Attention: Sue Brochu

Client Project ID:

Matrix Descript:

Analysis Method: First Sample #

Soll

EPA 5030/8015/8020

May 9, 1990 Sampled: Received:

Reported:

## TOTAL PETROLEUM FUEL HYDROCARBONS WIth BTEX DISTINCTION (EPA 8015/8020)

E133-90

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenea mg/kg (ppm)
005-1285	Si	1,000	0.34	2.5	6.5	53
005-1288	82	1,800	0.52	14	31	190
005-1287	53	250	0.44	3.0	2.3	13

# Tank Excavators P. O. BOX 8402 - SANTA CRUZ, CALIFORNIA 95061 - (408) 438-1622

FAX (408) 438-6981 (209) 983-8161

## PAX COVER SHEET

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME:	Joh	u _						
I OCATION •		Ame	r Es	WRE	2		-	_
FAX NUMBER	7-3	<u> </u>	070	<u>6</u> .	11			-
NUMBER OF	PAGES INCLUI	ING COV	er sheet	r:	-7			
	TO FOLLOW:	Y N						
DATE:	11/14/90							
FROM:		<del></del>						
IF YOU DO SO WE MAY	NOT RECEIVE RE-TRANSMIT	ALL THE	PAGES, X.	PLEASE	CALL A	AS SOON	AS PO	)SSIBLE
NOTES:						· · · · · · · · · · · · · · · · · · ·		<b>-</b>
								-
								<del></del>
				· · · · · · · · · · · · · · · · · · ·		, <u></u>		_
		,				·		_

## Tank Excavators

P. O. BOX 8402 - SANTA CRUZ, CALIFORNIA 95061 - (408) 438-1622

FAX (408) 438-6981 (209) 983-8161

## FAX COVER SHEET

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: John
LOCATION:
FAX NUMBER: 1-377-0706
NUMBER OF PAGES INCLUDING COVER SHEET:
HARD COPY TO FOLLOW: Y
DATE: 10/3/
FROM:
IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL AS SOON AS POSSIBLE SO WE MAY RE TRANSMIT THIS FAX.
NOTES:



Alameda County Department of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621 -Attention: William Faulhalzer

City of San Leandro Fire Department 835 E. 14th Street San Leandro, CA 94577 Attention: Mike Bakaldin, Hazardous Materials Coordinator

0.0050 0.0050 0.0050 Detection Limits: 1.0 0.0060

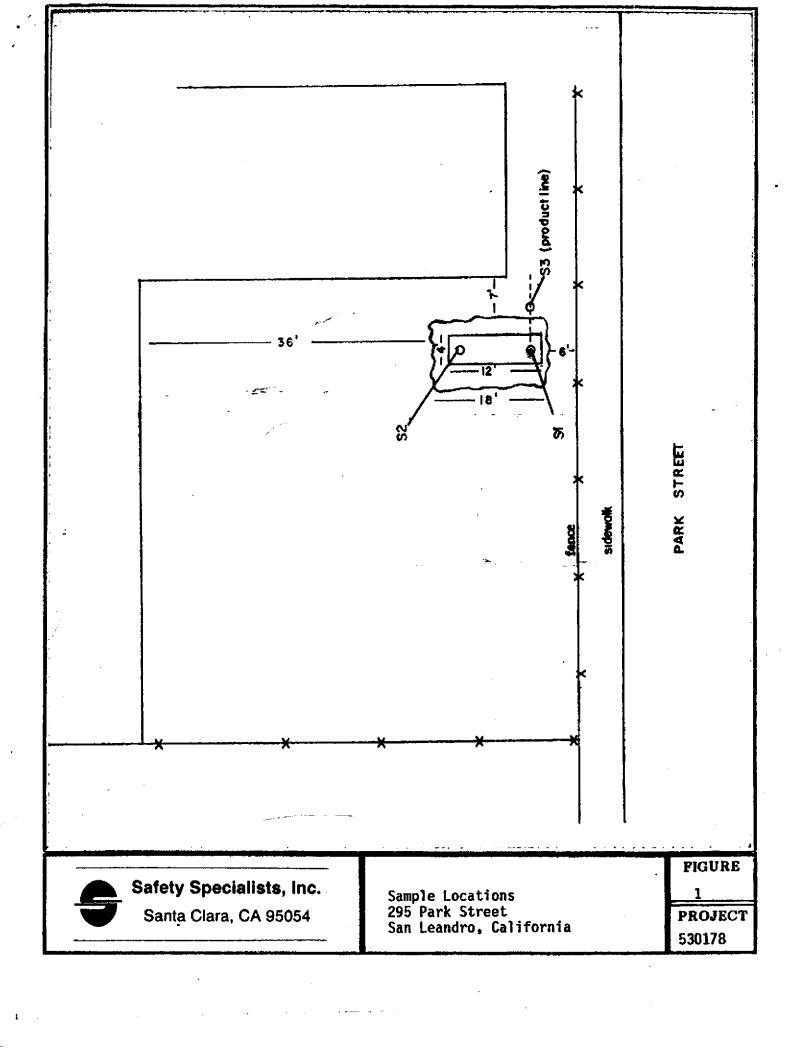
Low to Medium Boiling Point Hydrocarbons are quantitated against a gaspline standard. Analytes reported as N.D. were not present above the stated limit of detaction.

**BEQUOIA ANALYTICAL** 

Maria Lee Project Manager

61285.GAF <1>

APPENDIX B



175



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

## **CHAIN OF SAMPLE CUSTODY RECORD**

Collector: 55T		Date Sampled: Time:	•
Location of Sampling: .	295 PARN	( <b>S</b> )	
Project Number: B. S. Sample Type:SCONTAINER Type and Contract Laboratory Rec	odition: Bens	Survey Number: <u>2/33-90</u>	-
Sample ID	- <u>-</u>	Field Information	
SI	Soil SA	MPLE COLLECTED - IN TALK EXCHAMION	APT POA.
1000	/ &	THERE, BETOW THIS BOTTOM	
<u>S2 4 /:                                  </u>		AMPLE COLLECTED IN TANK EXCAVATION	O APPROX.
53		FAMPLE COLLECTED IN THE PRODUCT	LINE
		APPROX . 2 POT BROW SURFINE	
1	. /		
	<del></del> - · · · · · · · · · · · · · · · · · ·	<u> </u>	
Analysis Requested:	TPH gasoling	, BTEX on ull somple	
			<del></del>
Results Needed By:	10 DAY TU	IEN APOUDD	
Travel Blank:	□ Yes ᠒ 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:	□ Yeṡ □ No	Background Soil Sample to be Analyzed Separately:	☐ Yes ☐ No
Chain of Custody:		<i>5/</i> 9/90	
1. ACLULAR Field Personnel		Date	
2. ACLILA?		5)9/9 <sub>0</sub>	<del></del>
3. Tab	Hewant	5/g/90 1:35/	<u>m</u>

### ADDENDUM TO TANK CLOSURE

- 1. All excavated soil will be placed on polypropylene until such time the soil has been determined to be nonhazardous or contamination is below specified amount.
- Once the underground tank has been brought to the surface, the removal of 2. soil or loose particles shall be removed by broom, shovel or like tools. Striking the vessel with a heavy object such as sledge hammers, crow bars or like tools will not be allowed.
- Excavated soil shall not be placed back in the ground until the results 3. of soil analysis are presented to Division of Hazardous Materials Department of Environmental Health. At that time you should be guided by his recommendations. Key contact will be Mr. Bill Faulhaber, at (415) 271-4320.
- If the excavated site should present hazard to the general welfare of the 4. public. The excavated hole may be covered by a clean substance such as pea gravel, sand, or soil. However, the contractor must provide a receipt for the land fill prior to covering.

If you have any questions please feel free to contact me at 577-3318

Ron Figuera, Inspector

Fire prevention Bureau

## SAN LEANDRO FIRE DEPARTMENT UNDERGROUND TANK CLOSURE PERMIT

PERMISSION IS HERE BY GRANTED TO REMOVE UNDERGROUND STORAGE TANKS AS INDICATED BELOW. TANK CLOSURE SHALL CONFORM TO THE INFORMATION PROVIDED IN UNDERGROUND TANK CLOSURE PLAN SUBMITTED TO THE FIRE DEPARTMENT AND TO ALL ADDITIONAL REQUIREMENTS ATTACHED TO THIS PERMIT. TANK REMOVAL SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL LAWS AND REGULATIONS.

FACILITY NAME: Whar	ehouse
ADDRESS: 295	Park Street San Leandro Ca.
DESCRIPTION OF TANKS TO BE REMOVED:	1 1000 gallon Gas Tank
<u>-</u>	

A FIRE DEPARTMENT REPRESENTATIVE IS REQUIRED TO WITNESS ALL TANK REMOVALS AND COLLECTION OF ALL SOIL AND WATER SAMPLES. PLEASE CONTACT FIRE DEPARTMENT AT LEAST FORTY-EIGHT HOURS IN ADVANCE IN ORDER TO SCHEDULE INSPECTOR.

FEES PAID: \$ 170.00

DATE: 4-18-90

regue 42000

FIRE DEPARTMENT REPRESENTATIVE

1:00 in 8. 2.

	UNDERGROUND STORAGE TANK UNAUTHO	ORIZED RELEASE (LEAK) / CONTA	AMINATION SITE REPORT
["]	ROUNCY HAS STATE OFFICE OF EMERGENCY SERVICE YES NO REPORT BEEN FILED? YES TO ORT DATE  CASE #	I HEREBY CERTIFY THAT I AM A DESIGNA	TED GOVERNMENT EMPLOYEE AND THAT I HAVE OFFICIALS PURSUANT TO SECTION 25180.7 OF
<u> </u>	u  d p  y  y	SKINED	DATE
H.	NAME OF INDIVIDUAL FILING REPORT  STEUCH A. SMITH	1408 1438-1622 SIGNATURE	- C. Smith
	REPRESENTING OWNER/OPERATOR REGIONAL I	BOARD COMPANY OR AGENCY NAME	7
PEDOR TED	LOCAL AGENCY OTHER CONTRACTOR	TANK EXCAUATO	RS
3E	ADDRESS  O O TOU OUD !!	OTTY SANTA CRE	UZ BIATE AA 95061
	P.O. BOX 8402 STREET	CONTACT PERSON	PHONE
Sæt F	GARY WANGAN DUNK	CNOWN SAME	1415 1830 - 1433
RESPONSIBLE PARTY	ADDRESS .		
HES		CAMON CHY CA	<u> </u>
	FACILITY NAME (IF APPLICABLE)	OPERATOR	(415)830 1433
ğ	ADDRESS	GARY WANGAN	1110 1030 1433
LOCATION	295 PARK ST. STREET SANL	IFANDED - MA G	
STE	CROSS STREET TYPE OF AREA	COMMERCIAL NOUSTRAL HURAL	YPE OF BUSINESS RETAIL FUEL STATION
		L OTHER	FARM OTHER STORAGE
9	LOCAL AGENCY AGENCY NAME	CONTACT PERSON	PHONE
ENTING	SANGANDRO F.D.	MIKE BAXALDIA	
20 (X	REGIONAL BOARD		PHONE (17 27)
Ž	ALAMERA CO. ENVIRONMENTAL HE	CALTH WILLIAM FAULIN	LZER (415)271-4380
80	(I) N	NAME	QUANTITY LOST (GALLONS)
TANCES	GASOLINE		\ \_ \_ \ \ \ \ \ \ \ \ \ \ \
SLEST	(2)		UNKNOWN
	DATE DISCOVERED HOW DISCOVERED	INVENTORY CONTROL SUBSURFACE	MONITORING NUISANCE CONDITIONS
YMBATEMENT	ON 5 MOOS OS SVOV [] TANKTEST [	TANK REMOVAL OTHER	
18 ×	DATE DISCHARGE REGAN	METHOD USED TO STOP DISCHARGE (CHE	
	M M D D V V V DINKNOWN		EPLACE TANK CLOSE TANK  EPAIR PIPING CHANGE PROCEDURE
DISCOVE	HAS DISCHARGE BEEN STOPPED ?	AEPAIR TANK L R	ELVALLE TO CONCENSION
<b>}</b>	YES NO FYES.DATE M M D D  SOURCE OF DISCHARGE TANKS ONLY/CAPACITY	Y Y C	:AUSE(S)
SOURCE/CAUSE	TANK LEAK W UNKNOWN /000		OVERFILL RUPTURE/FAILURE
1 33	PIPING LEAK AGE	YRS STEEL	CORROSION IN UNKNOWN
5	OTHER S UNKNOWN	OTHER	BRILL OTHER
-	CHECK ONE ONLY	DE LATE TO THE A Above reported and a second	
38E	UNDETERMINED SOIL ONLY ( ) GROUNDW	MATER DRINKING WATER - (CHECK ONLY F	WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
F 19	CHECK ONE ONLY		
CURRENT	SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PRO		OFF (CLEANUP COMPLETED OR UNNECESSARY)
2 "		ROGRESS NO FUNDS AVAILABLE TO PROCEED	EVALUATING CLEANUP ALTERNATIVES
ਤੋਂ ≥	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)  CAP SITE (CD)  EXCAVATE & DISPO	OSE (EU) REMOVE PREE PRODUCT (FP)	ENHANCED BIO DEGRADATION (IT)
155			=
185	CONTADAMENT BARRIER (CB) EXCAVATE & TREA	(1 (E1)   FUNE + INEX I GINOUNCITÀ I	and the second s
PEMEDAL ACTION	CONTADMENT BARRIER (CB) EXCAYATE & TREA  TREATMENT AT HOOKUP (HU) NO ACTION REQUIR	**************************************	
PEME			
-			
COMMENTS REME			

MSC 05 (4/87)