

Chemist Enterprises
333-B Camino Verde
Boulder Creek, California 95006
ph. (408) 338-0198

November 17, 1994

Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502-6577

Re: **PROPOSED PRELIMINARY SITE ASSESSMENT (PSA) WORK PLAN**

**SUBJECT SITE: GALLO SALAME
2411 BAUMANN AVENUE
SAN LORENZO, CALIFORNIA**

Dear Ms. Chu:

As per your request for a Preliminary Site Assessment Report to Gallo Salame dated October 3, 1994, Gallo Salame has contracted with Chemist Enterprises (CE) to meet this request.

I. INTRODUCTION

A. SCOPE OF WORK

The objective of these activities is to evaluate the nature and distribution of impacts to soils and groundwater which may have resulted from a hydrocarbon release from former Underground Storage Tanks (USTs) at the subject property.

B. SITE LOCATION

The Gallo Salame property is the location of a major salame plant located at 2411 Baumann Avenue in western San Lorenzo, approximately 1/2-mile east of San Francisco Bay within the boundaries of the Zone 7 Water Agency. **Figure 1** shows the general location of the site.

C. BACKGROUND/SITE HISTORY

The Gallo Salame plant was built in 1970-71. Prior to that time the property was undeveloped. Two USTs were removed from the site on December 11, 1987. These included one 10,000-gallon gasoline and one 10,000-gallon diesel tank. **Figure 2** shows the previous locations of these tanks on a site map. Currently there are no operating USTs at the subject site. When the USTs were removed, neither of the tanks were observed to have holes and the tar wrappings were intact. However, soil and water samples collected at the time the tanks were removed indicated the presence of gasoline and diesel. The hydrocarbon release may have resulted from over filling the tanks or a product line leak. The tank pit was filled with imported material and covered with asphalt to match the existing lot. A copy of the Unauthorized Release Form is included in **Appendix A** of this work plan. This form is being submitted to the Regional Water Quality Control Board concurrent with this work plan. ^{OK}

II. SITE DESCRIPTION

A. HYDROGEOLOGIC SETTING

Nilsen's map (1973) shows the property is immediately underlain by artificial fill. He describes this material as highway, railroad, and canal fills composed of rock and surficial deposits derived from nearby cuts or quarries. This material covers a large part

of the bay margin from the vicinity of the Gallo Salame property northwest to Bay Farm Island. Nilsen's map (1973) shows marshland deposits of the Quaternary Age to the south and to the northwest of the property. Helley's map (1972) shows the older mud deposits of Pleistocene Age to the east and north of the property. The marshland deposits and older mud deposits may be the same and they probably underlie the artificial fill. Nilsen (1973) describes the marshland deposits as primarily soft mud and silt with some shell, peat, sand, and gravel layers. Helley (1972) describes the older mud deposits as dark, plastic, semiconsolidated, organic-rich clay and silty clay. He says the older mud deposits are greater than 50-feet thick near the bay margin.

According to Webster's map (1973), the water table at the property is from 0 to 5 feet below the land surface. His map also indicates the property is near the boundary of a deeper aquifer that is confined and is under artesian head.

Groundwater was encountered in the excavation that was made when the two underground storage tanks were removed. We suspect the first aquifer is perched on the underlying marshland or older mud deposits. We suspect there is a second confined aquifer at some depth below the marshland and older mud deposits. There may be intermediate perched aquifers in sand and gravel lenses within the older mud deposits.

B. PREVIOUS ENVIRONMENTAL SAMPLING RESULTS

A total of four soil samples were collected from the 10-foot depth and one water sample was collected from the tank pit at the time the tanks were removed. Two of the soil samples were collected from below the gasoline tank and two soil samples were collected from below the diesel tank. The water sample was collected from the center of the tank pit at the time the tanks were removed. The tank pit was left open and allowed to aerate for at least one month after the tanks were removed and water samples were taken at

approximately two-week intervals during that time. Copies of the previous environmental sampling and laboratory reports are included in **Appendix B** of this work plan.

Following are tables showing the laboratory results from the five samples collected at the time the tanks were removed:

Laboratory: Sequoia Analytical Units: ppb Date Sampled: 12/11/87
 Date Reported 12/21/87

<u>Sample</u>	<u>Depth</u>	<u>TPHg</u>	<u>TPHd</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Xylenes</u>
1 (Water)	-	910	600	<0.5	4.9	NA ¹	70

Laboratory: Sequoia Analytical Units: ppm Date Reported: 12/21/87
 Date Reported 12/21/87

<u>Sample</u>	<u>Depth</u>	<u>TPHg</u>	<u>TPHd</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Xylenes</u>
2 (Soil)	10'	1.8	NA	<0.1	<0.1	NA	<0.1
3 (Soil)	10'	NA	7.5	NA	NA	NA	NA
4 (Soil)	10'	<1.0	NA	<0.1	<0.1	NA	<0.1
5 (Soil)	10'	NA	6.1	NA	NA	NA	NA

After removal of the tanks, the tank pit was left open and allowed to aerate for approximately two weeks and then a single water sample was collected from the water in the tank pit:

Laboratory: Sequoia Analytical Units: ppb Date Sampled: 12/28/87
 Date Reported 1/13/88

<u>Sample</u>	<u>Depth</u>	<u>TPHg</u>	<u>TPHd</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Xylenes</u>
1 (Water)	-	<50	NA	<0.5	0.58	<0.5	3.8

Subsequently, the tank pit was left open and allowed aerate for ten days and then a single water sample was collected from the water in the tank pit:

¹NA=Not Analyzed

Laboratory: Sequoia Analytical

Units: ppb

Date Sampled: 1/7/88

Date Reported 1/14/88

<u>Sample</u>	<u>Depth</u>	<u>TPHg</u>	<u>TPHd</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl-Benzene</u>	<u>Xylenes</u>
1 (Water)	-	<50	160	<0.5	<0.5	<0.5	<0.5

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

Prior to beginning field work, CE will obtain permits from the Zone 7 Water Agency, provide notification to Underground Service Alert, and may coordinate additional underground utility location efforts. ✓

Prior to beginning field work, all workers will be briefed on a Health and Safety plan. This plan will be site specific and will address hazardous waste operations and emergency response as required by 29 CFR 1910.120. ✓

The following scope of work includes borehole augering, soil sampling, laboratory analyses, and preparation of a technical report for submittal to the Alameda County Department of Environmental Health (ACDEH). All work performed for this project will be under the supervision of a California Registered Geologist. Our approach is to advance 6 soil borings into and around the previous tank pit area. The locations of these proposed borehole locations are shown on **Figure 2**, however the locations of the borings may be altered as the investigation is in progress. The borings will be advanced with a hand auger. The anticipated depth of the soil borings is 10'. The borings will be terminated when groundwater is encountered. Each borehole will be logged for lithology.

Soil samples will be collected every five-feet starting at five-feet below grade, using a 2-inch diameter stainless steel core sampler with slide hammer. Once the core sampler is retrieved, the brass sleeve containing soils will be sealed with aluminum foil, plastic end caps and duct tape

Soil Classification System

and stored on ice for potential laboratory analyses. In addition to the samples collected every five feet, additional soil samples will be collected at any significant changes in lithology and where apparent contamination is encountered. The auger spoils will be visually inspected for lithology, moisture content, and any obvious hydrocarbon impacts by a qualified technician. All soil samples will be screened with a hand held PID analyzer. Based on the results of the field inspection, at least one sample from each borehole will be selected for analyses at a certified laboratory. We intend to use Anametrix Laboratories in San Jose. The samples will be transported to the laboratory in iced storage under chain of custody documentation for analyses for TPHd, TPHg, benzene, toluene, ethyl benzene and total xylenes (BTEX) using LUFT Methods.

The soil borings will be abandoned by placing an initial seal of bentonite pellets and pouring grout into the boreholes. A small diameter pipe will be run down each borehole to remove air locks which may be formed while placing the grout.

The core sampler and augering equipment will be decontaminated between sampling locations by the following:

1. Remove loose soil and debris with a scrub brush using a mixture of tap water and laboratory grade cleaning solution (liquinox).
2. Tap water rinse.
3. Distilled water rinse.

Soils generated during augering and decontamination derived liquid wastes will be stored in labeled, DOT-rated 55-gallon drums on-site. The disposition of these wastes are the responsibility of the property owner and are not a part of this work plan. Once the laboratory reports are issued, appropriate disposal options for all investigation derived wastes can be developed.

IV. PLAN FOR DETERMINING GROUNDWATER CONTAMINATION

The scope of work includes sampling of water from the boreholes, analyses of the water samples, taking depth to groundwater measurements, and presentation of the findings in a technical report.

We intend to collect grab groundwater samples at each of the six boring locations. All groundwater samples will be collected using teflon or stainless steel bailers. The bailers will be cleaned prior to lowering into the groundwater by washing with liquinox detergent, rinsing with tap water, and rinsing with distilled water.

Sampling activities will include measuring water levels in the wells using an electronic water level indicator, measurements of floating product if present will be taken as follows: lowering a teflon bailer into the liquid at each borehole, allowing the liquid level in the bailer to equilibrate with the liquid level in the borehole, and after raising the bailer, measuring the thickness of floating product if present in the transparent bailer with a ruler or noting the presence of sheen and odor, sampling groundwater by gently pouring from the bailer into 1-liter amber glass bottles and 40-milliliter vials until a positive meniscus is formed at the top of each vial, capping, and checking to make sure no bubbles are present; transport of samples on iced storage under chain of custody documentation to a State of California, Department of Health Services certified laboratory; and laboratory analyses for TPHd, TPHg, and BTEX by LUFT Methods. In addition, one groundwater sample will be analyzed for total dissolved solids.

V. QUALITY ASSURANCE/QUALITY CONTROL PLAN

As part of quality assurance/quality control measures related to soil sampling, we will submit 5% split/duplicate samples. Since we anticipate less than 20 soil samples, 1 split/duplicate soil sample will be submitted.

As part of quality assurance/quality control measures related to the grab groundwater sampling from the boreholes, samples will be collected in triplicate and one trip blank will be submitted for analyses. Also, duplicate samples will be collected from one borehole in triplicate and submitted for TPHg and BTEX analyses only.

VI. PREPARATION OF A TECHNICAL REPORT

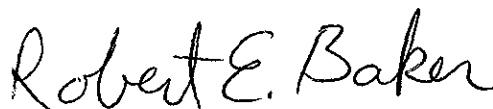
CE will prepare Preliminary Site Assessment Report describing our methods and findings. The report will be prepared under the direction of a California Registered Geologist and will include: a site map showing relevant features and boring locations, boring logs, analytical results of soil and water samples, groundwater depth data, laboratory chain of custody documentation, analysis of accumulated data and recommendations based on the findings of the investigation. Also, copies of the report will be submitted to the Regional Water Quality Control Board.

If you have any questions concerning this work plan, please feel free to contact us at (408) 338-0198. We intend to schedule these activities as soon as possible.

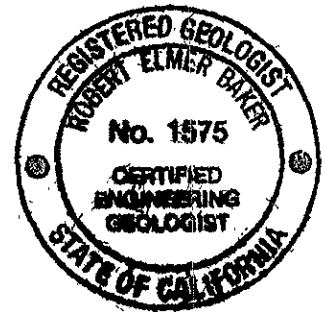
Sincerely yours,



Tom Price
Consulting Chemist



Robert E. Baker
Registered Geologist #5087



Attachments: References

Figure 1: Location Map
Figure 2: Site Map

Appendix A: Unauthorized Release Form
Appendix B: Previous Laboratory Analyses
Appendix C: Statements of Qualifications of Project Personnel

cc: Daryl Melville, Gallo Salame

REFERENCES

California Regional Water Quality Control Board, Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 1990.

Helley, E.J., Lajoie, K.R., and Burke, D.B., 1972, Geologic map of late Cenozoic deposits, Alameda County, California: U.S. Geological Survey, miscellaneous field studies map, MF-429, 1 sheet, scale: 1:62,500.

Nilsen, T.H., 1973, Preliminary small photointerpretation map of landslide and other surficial deposits of the Livermore and part of the Hayward 15 minute quadrangles, Alameda and Contra Costa Countys, California: U.S. Geological Survey, miscellaneous field studies map MF-519, 1 sheet, 1 plate, scale: 1:62,500.

Webster, D.A., 1973, Map showing areas bordering the southern part of San Francisco Bay, where a high water table may adversely affect land use: U.S. Geological Survey, miscellaneous field studies map, MF-530, 1 sheet, scale: 1:62,500.



EXPLANATION:

Scale: 1"=2000'
 0 1000' 2000'

Base Map Reference: U.S.G.S. San Leandro, 7.5 minute topographic, quadrangle, 1959 photorevised 1980.

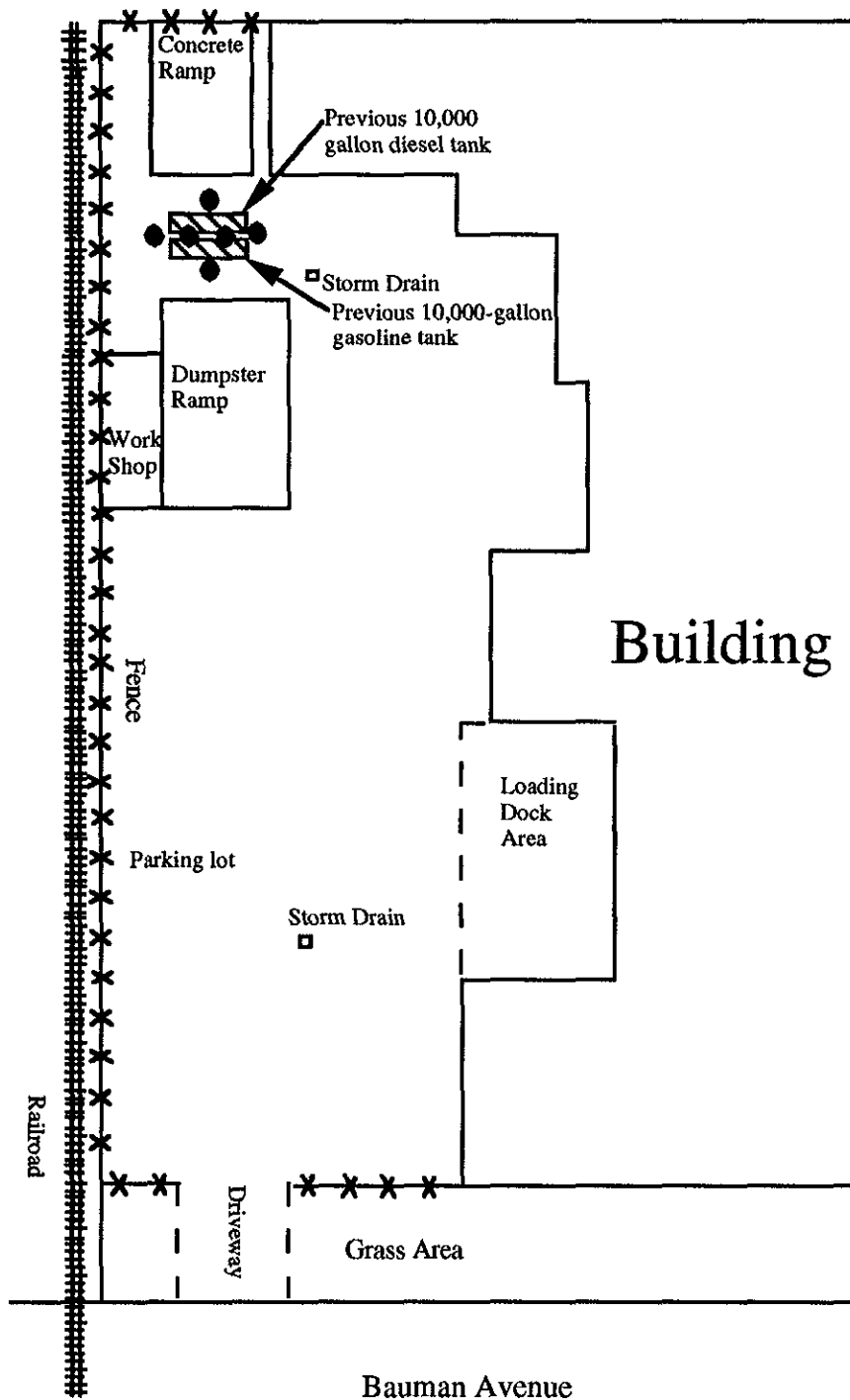
Site Location



Chemist Enterprises
 Boulder Creek, California

LOCATION MAP
 Gallo Salame
 2411 Baumann Avenue
 San Lorenzo, California

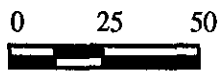
Figure 1
 Project No. 94-54
 Date: 10/94



EXPLANATION

- Proposed Soil Boring Location
- ▨ Previous Tank Location

Scale: 1"=50"



Chemist Enterprises
Boulder Creek, California

SITE MAP
Gallo Salame
2411 Baumann Avenue
San Lorenzo, California

Figure 2

Project No.
94-54
Date: 10/94

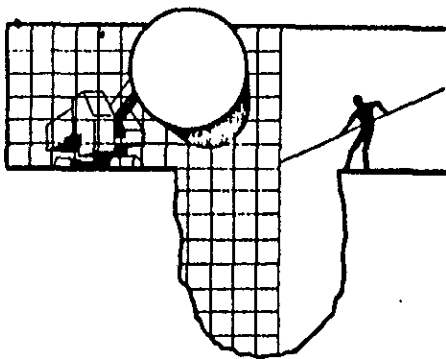
APPENDIX A

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 1 <u>1</u> / <u>1</u> / <u>0</u> 9 <u>9</u> / <u>4</u>		CASE #		SIGNED _____ DATE _____	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>Tom Price</u>		PHONE <u>(408) 338-0198</u>	SIGNATURE <u>Tom Price</u>	
	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 <u>dba Chemist Enterprises</u>		
	ADDRESS <u>333-B Camino Verde</u> <u>Boulder Creek</u> <u>CA</u> <u>95006</u> <small>STREET CITY STATE ZIP</small>				
RESPONSIBLE PARTY	NAME <u>Gallo Salame</u> <input type="checkbox"/> UNKNOWN		CONTACT PERSON <u>Daryl Melville</u>		PHONE <u>(510) 276-1300</u>
	ADDRESS <u>2411 Baumann Avenue</u> <small>STREET</small>		<u>San Lorenzo</u> <small>CITY</small>		<u>CA</u> <u>94580</u> <small>STATE ZIP</small>
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <u>Gallo Salame</u>		OPERATOR <u>N/A</u>		PHONE <u>(510) 276-1300</u>
	ADDRESS <u>2411 Baumann Avenue</u> <small>STREET</small>		<u>San Lorenzo</u> <small>CITY</small>		<u>Alameda</u> <u>94580</u> <small>COUNTY ZIP</small>
	CROSS STREET <u>Worthley Drive</u>				
IMPLEMENTING AGENCIES	LOCAL AGENCY <u>Alameda County Dept. Env. Health</u>		CONTACT PERSON <u>Eva Chu</u>		PHONE <u>(510) 567-6783</u>
	REGIONAL BOARD <u>San Francisco</u>		CONTACT PERSON <u>Kevin Graves</u>		PHONE <u>(510) 286-1255</u>
SUBSTANCES INVOLVED	(1) NAME <u>Gasoline</u>		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2) NAME <u>Diesel</u>		<input checked="" type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 1 <u>2</u> / <u>1</u> / <u>0</u> 8 <u>7</u>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER _____		
	DATE DISCHARGE BEGAN ____ / ____ / ____ <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER _____		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <u>1</u> / <u>2</u> / <u>1</u> 0 <u>8</u> / <u>7</u>				
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER _____		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER _____		
	CASE TYPE CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> OTHER (OT) <u>PENDING RECOMENDATION of PSA</u>				
COMMENTS	This report submitted concurrent with Preliminary Site Assessment Workplan to Alameda County Department of Environmental Health.				

APPENDIX B

71E



BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

December 22, 1987

Campanella Demolition
5401 San Leandro Street
Oakland, CA 94601

Attention: Dennis Brown

Re: Field sampling at

GALILEO-CAPRI SALAMI, INC.
2411 BAUMANN AVENUE
SAN LORENZO, CA

Gauo

DECEMBER 11, 1987

SAMPLING REPORT

B3
GSZ
2/17/88

Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

Underground storage tank removal

Reason for removal -- Discontinuation of on-site storage

<u>Tank Type</u>	<u>Observable Condition</u>
One 10,000 gallon gasoline	No visible holes, tar wrapping intact
One 10,000 gallon diesel	No visible holes, tar wrapping intact

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

MAP REF: THOMAS BROS.
ALAMEDA
P.57 C-1

LEGEND: F = FILL END

0 30' 60'
SCALE: 

N

CYCLONE FENCE AT PROPERTY LINE

CYCLONE FENCE AT PROPERTY LINE

BLDG.

BLDG.

BLDG.

FENCE

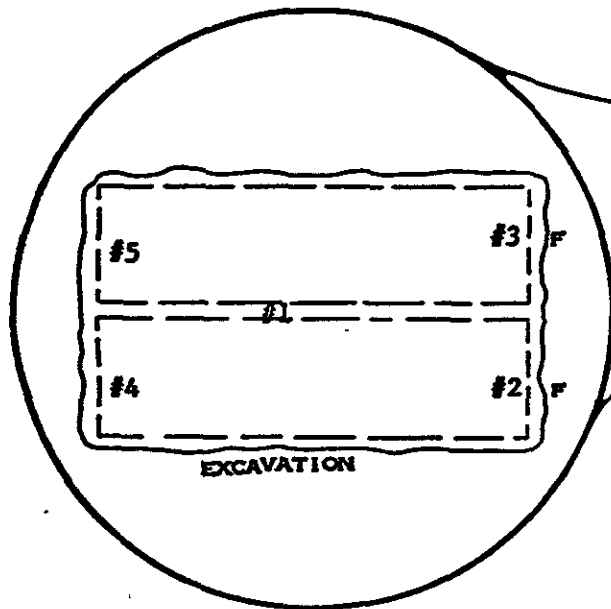
GRASS AREA

BAUMANN AVENUE

- #1 SUB SURFACE WATER SAMPLE
ANALYSIS FOR TOTAL PETROLEUM
HYDROCARBONS (TPH) AS GASOLINE,
BENZENE, TOLUENE AND XYLENES (BTX),
TPH AS DIESEL AT ANALYTICAL
LABORATORY
SEQUOIA LAB NO. 7121006
- #2 SOIL FROM 10"
ANALYSIS FOR TPH AS GASOLINE, AND
BTX
SEQUOIA LAB NO. 7121007
- #3 SOIL FROM 10"
ANALYSIS FOR TPH AS DIESEL
SEQUOIA LAB NO. 7121008
- #4 SOIL FROM 10"
ANALYSIS FOR TPH AS GASOLINE, AND
BTX
SEQUOIA LAB NO. 7121009
- #5 SOIL FROM 10"
ANALYSIS FOR TPH AS DIESEL
SEQUOIA LAB NO. 7121010

SAMPLING PERFORMED BY STEPHEN CARTER
DIAGRAM PREPARED BY BRENT ADAMS

ENLARGEMENT OF GASOLINE AND
DIESEL STORAGE TANK EXCAVATION



REPORTAGE

Submission to the Regional Water Quality Control Board and the local regulatory/enforcement agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Greg Zentner

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, Ca 94612
ATTN: Lawrence Seto, Haz. Mat. Specialist

Please call if we can be of any further assistance.


Richard C. Blaine

RCB/dmp



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 12/11/87
Date Received: 12/11/87
Date Reported: 12/21/87

Project: BTS #87345-C1
Campanella, Galileo -
Capri Salami, Inc.

TOTAL PETROLEUM FUEL
HYDROCARBONS WITH BTX DISTINCTION

Sample Number

7121006

Sample Description

Water, #1

	<u>Detection Limit</u> ppb	<u>Sample Results</u> ppb
Low to Medium Boiling Point Hydrocarbons	50	910
Benzene	0.5	< 0.5
Toluene	0.5	4.9
Xylenes	0.5	70

Method of Analysis: EPA 5030/602/8015

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 12/11/87
Date Received: 12/11/87
Date Reported: 12/21/87

Project: BTS #87345-C1
Campanella Galileo - Capri
Salami, Inc.

TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u>	<u>High Boiling Point Hydrocarbons</u>
	Water,	ppb	ppb
7121006	#1	50	600

Method of Analysis: EPA 3510/8015

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 12/11/87
Date Received: 12/11/87
Date Reported: 12/21/87

Project: BTS #87345-C1
Campanella Galileo - Capri
Salami, Inc.

TOTAL PETROLEUM FUEL HYDROCARBONS
WITH BTX DISTINCTION

Sample Number

7121007

Sample Description

Soil, #2

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	1.8
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 12/11/87
Date Received: 12/11/87
Date Reported: 12/21/87

Project: BTS #87345-C1
Campanella Galileo - Capri
Salami, Inc.

TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u> Soil,	<u>Detection Limit</u> ppm	<u>High Boiling Point Hydrocarbons</u> ppm
7121008	#3	1	7.5
7121010	#5	1	6.1

Method of Analysis: EPA 3550/8015

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 12/11/87
Date Received: 12/11/87
Date Reported: 12/21/87

Project: BTS #87345-C1
Campanella Galileo - Capri
Salami, Inc.

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

Sample Number

7121009

Sample Description

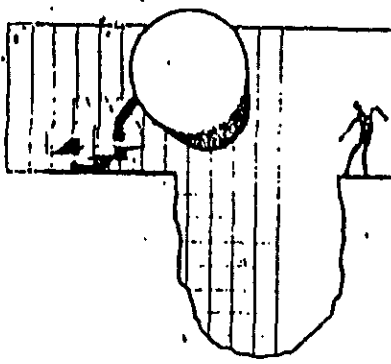
Soil, #4

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95128
(408) 995-5531

January 15, 1988

Campanella Demolition
5401 San Leandro Street
Oakland, CA 94601

Attention: Dennis Brown

Re: Field sampling at

2411 BAUMANN AVENUE
SAN LORENZO, CA

DECEMBER 28, 1987

SAMPLING REPORT

Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

A SUBSURFACE WATER SAMPLE FROM AN OPEN PIT WAS COLLECTED WHERE TANKS HAD PREVIOUSLY BEEN REMOVED.

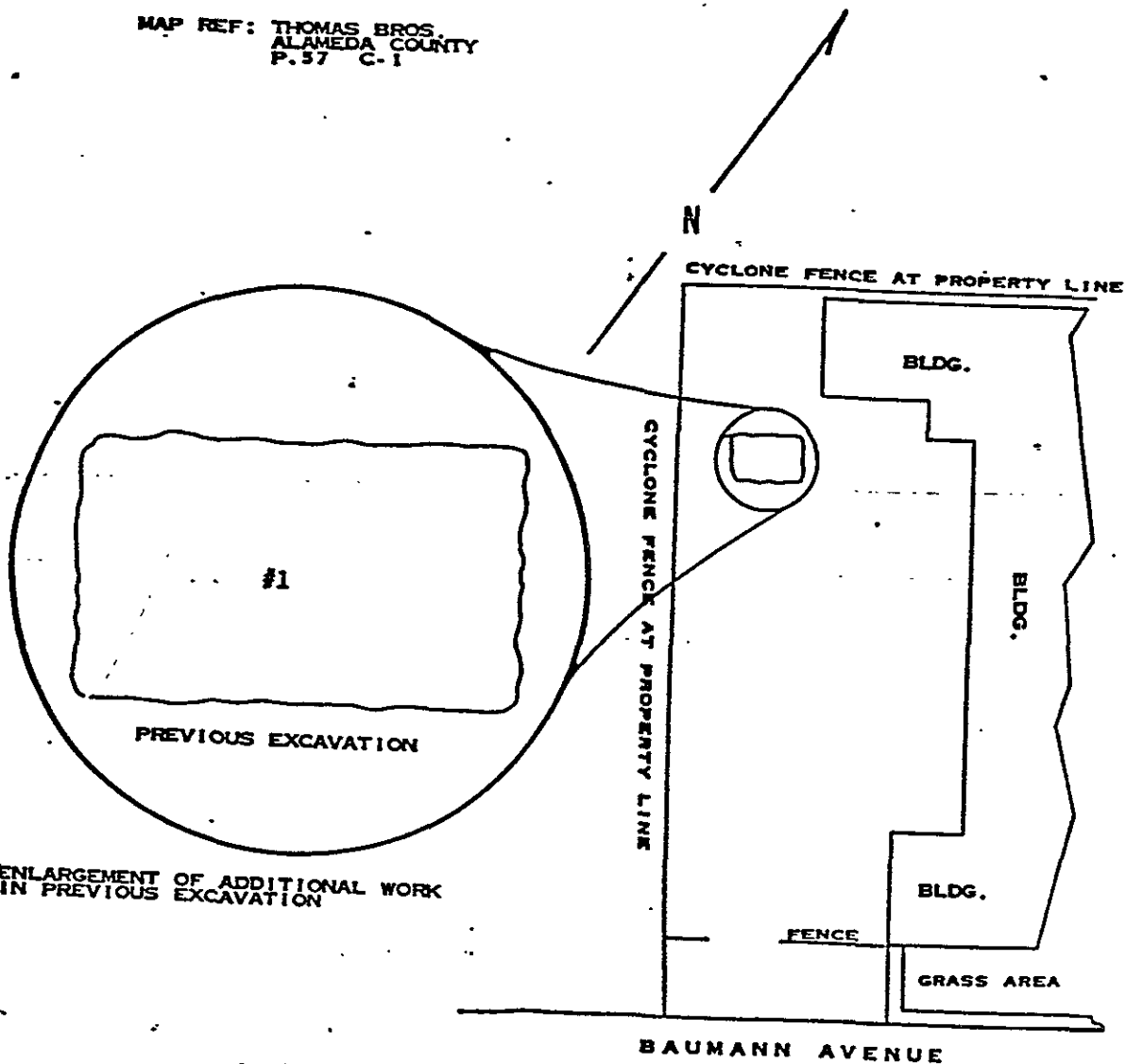
(Reference: Blaine Tech Services Report 87345C1)

Tanks previously removed -- One 10,000 gallon gasoline
One 10,000 gallon diesel

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.57 C-1

0 30' 60'
SCALE: 



#1 SUBSURFACE WATER SAMPLE
ANALYSIS FOR TOTAL PETROLEUM
HYDROCARBONS (TPH) AS GASOLINE,
AND BENZENE, TOLUENE, XYLENES,
AND ETHYLBENZENE (BTX & E) AT
SEQUOIA ANALYTICAL LABORATORY
SEQUOIA LAB NO. 7122029

SAMPLING PERFORMED BY FRANK CLINE
DIAGRAM PREPARED BY BRENT ADAMS

ENLARGEMENT OF ADDITIONAL WORK
IN PREVIOUS EXCAVATION

REPORTAGE

Submission to the Regional Water Quality Control Board and the local regulatory/enforcement agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Greg Zentner

464-1255

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, Ca 94612
ATTN: Lawrence Seto, Haz. Mat. Specialist

Please call if we can be of any further assistance.


Richard C. Blaine

RCD/jag



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 12/28/87
Date Received: 12/28/87
Date Reported: 01/13/88
Project: BTS #87362F2,
Campanella, San Lorenzo

TOTAL PETROLEUM FUEL
HYDROCARBONS WITH BTX DISTINCTION

Sample Number

7122029

Sample Description

Water, #1

Low to Medium Boiling Point Hydrocarbons

Benzene

Toluene

Xylenes

Ethyl benzene

Detection
Limit
ppb

Sample
Results
ppb

50

< 50

0.5

< 0.5

0.5

0.58

0.5

3.8

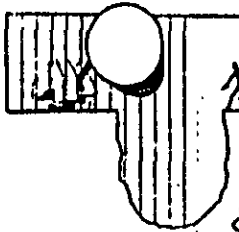
0.5

< 0.5

Method of Analysis: EPA 5030/602/8015

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 54
SAN JOSE, CA 95128
(408) 995-5531

PROJECT NUMBER

SITE ADDRESS

8736212

Campanella Arms @
2411 Baumann Ave
San Lorenzo, CA

PLEASE INCLUDE PROJECT NUMBER AND SITE ADDRESS ON LAB REPORTS AND INVOICES

TURN-AROUND 1 week RESULTS BY 11/4/87 LAB USED SEQ

BILLING SPECIAL INSTRUCTIONS

Bill Blaine Tech Services
 Bill

I.D. ANALYSIS TO DETECT LAB # LAB RESULTS

#1 Liquid THC(Gas) BXR

Field sampling completed 13:20 AM 12/28/87 performed by [Signature]

RELEASED BY

ACCEPTED BY

4:10 AM 12/28/87 [Signature]

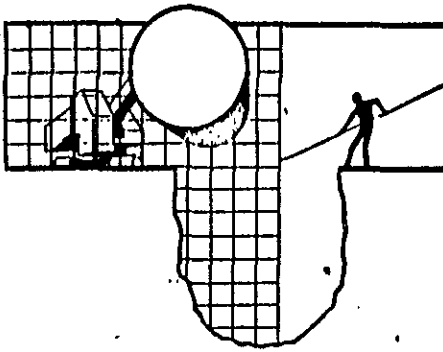
4:10 AM 12/28/87 [Signature]

____ AM/PM - 87

____ AM/PM - 87

____ AM/PM - 87

____ AM/PM - 87



BLAINE TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

January 19, 1988

Campanella Demolition
5401 San Leandro
Oakland, CA 94601

Attention: Dennis Brown

Re: Field sampling at

GALILEO-CAPRI SALAMI, INC.
2411 BAUMANN AVENUE
SAN LORENZO, CA

JANUARY 7, 1988

SAMPLING REPORT

Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

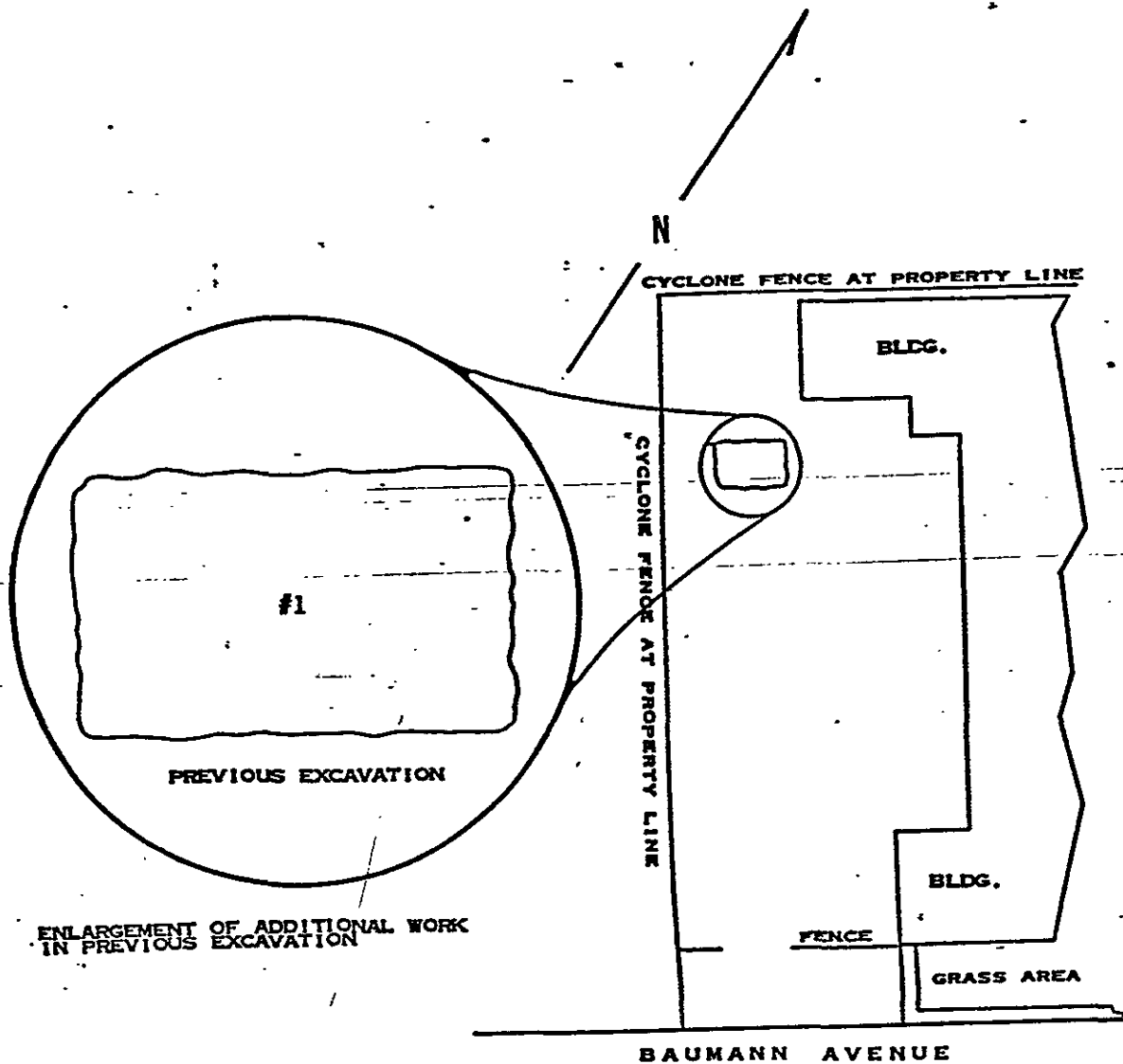
SAMPLING OF AERATED WATER IN THE PIT WHERE TANKS HAD PREVIOUSLY
BEEN REMOVED
(Reference: Blaine Tech Services Report 87345C1 & 87362F2)

Tanks previously removed -- one 10,000 gallon gasoline
one 10,000 gallon diesel

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P. 37 C-1

SCALE: 0 30' 60'



#1 SUBSURFACE WATER SAMPLE
ANALYSIS FOR TOTAL PETROLEUM
HYDROCARBONS (TPH) AS GASOLINE
AND DIESEL, AND BENZENE, TOLUENE,
XYLENES, AND ETHYLENENE (ETX & E)
AT SEQUOIA ANALYTICAL LABORATORY
SEQUOIA LAB NO. 8010259

SAMPLING PERFORMED BY FRANK CLINE
DIAGRAM PREPARED BY BRENT ADAMS

ENLARGEMENT OF ADDITIONAL WORK
IN PREVIOUS EXCAVATION

REPORTAGE

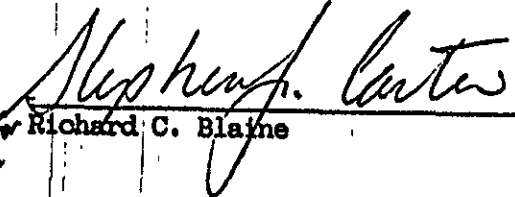
Submission to the Regional Water Quality Control Board and the local regulatory/enforcement agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Tom Callaghan

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, CA 94612
ATTN: Lawrence Seto, Haz. Mat. Specialist

Please call if we can be of any further assistance.


for Richard C. Blaine

RCB/dmp



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 01/07/88
Date Received: 01/07/88
Date Reported: 01/14/88

Project: #88007C1,
Campanella Demolition
Galileo Salani

TOTAL PETROLEUM FUEL
HYDROCARBONS WITH BTX DISTINCTION

Sample Number

8010259

Sample Description

Water, #1

Low to Medium Boiling Point Hydrocarbons

Benzene

Toluene

Xylenes

Ethyl Benzene

Detection
Limit
ppb

Sample
Results
ppb

50

< 50

0.5

< 0.5

0.5

< 0.5

0.5

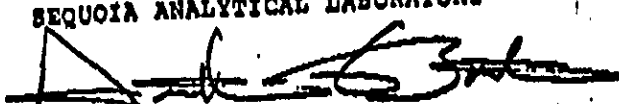
< 0.5

0.5

< 0.5

Method of Analysis: EPA 5030/602/6015

SEQUOIA ANALYTICAL LABORATORY


Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150
Attn: Richard Blaine

Date Sampled: 01/07/88
Date Received: 01/07/88
Date Reported: 01/14/88
Project: #88007C1,
Campanella Demolition
Galileo Salami

TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u> ppb	<u>High Boiling Point Hydrocarbons</u> ppb
8010259	Water, #1	50	160

Method of Analysis: EPA 3510/8015

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

APPENDIX C

Robert E. Baker

Experience Summary:

Mr. Baker has 20 years experience as a professional geologist working on a variety of projects including environmental, landslide and slope investigations, fault investigations, geophysical investigations and construction inspections.

Education:

B.S., Geology, San Jose State University

Registration:

State of California: Registered Geologist, RG 5087; Certified Engineering Geologist, CEG 1587,
State of Oregon: Registered Engineering Geologist, E1419.

Certification:

40 hours Safety Training and 8 hours Supervisory Training per OSHA Hazardous Waste Operations and Emergency Response.

Environmental Project Experience:

Project Engineering Geologist: Managed and conducted a groundwater quality investigation at an underground storage tank removal site for the Santa Cruz County Corporation Yard in Felton. The project involved siting, installation, development and sampling of groundwater monitoring wells to investigate possible groundwater contamination.

Project Engineering Geologist: Installed, developed and sampled a groundwater monitoring well at an underground storage tank removal site for Mattos Auto, San Jose.

Project Engineering Geologist: Conducted quarterly groundwater sampling from monitoring wells and an extraction holding tank for Pilot Petroleum Plant in Redwood City.

Project Engineering Geologist: Conducted a quarterly groundwater monitoring program for Clark's Building Materials in San Leandro.

Project Engineering Geologist: Conducted a soil sampling program with a hollow-stem drill rig and grouted the holes per Alameda County Water District Requirements at IBG Central and Atlantic in Hayward.

Project Engineering Geologist: Conducted a soil sampling program with a hollow-stem drill rig at a level B hazardous wasted site at the Palo Alto Landfill in Palo Alto.

Project Engineering Geologist: Conducted a liquefaction study including the installation and monitoring of several groundwater monitoring wells at Las Palmas Ranch in Salinas.

Project Engineering Geologist: Performed soil and groundwater sampling. Logged soil borings and collected samples with hollow-stem auger rigs at the Fort Ord Base Closure Project in Marina.

Project Engineering Geologist: Logged soil borings and collected soil samples and groundwater samples with percussion hammer, air return and hollow-stem auger rigs at Hunter's Point Naval Shipyard Closure Project at Hunter's Point.

Tom Price

Experience Summary:

Mr. Price has 5 years experience as an working as an environmental scientist on a variety of environmental projects including soil and water investigations, soil and water remediation, and air pollution studies.

Education:

B.S., Chemistry, University of Arizona, 1988.

Certification:

40 hours Safety Training and 8 hours Supervisory Training per OSHA Hazardous Waste Operations and Emergency Response.

Visible Emissions Readings, California Air Resources Board

Environmental Project Experience:

Project Manager: Managed a soils excavation project for a leaking underground storage tank (UST) site at Swim Pool Supply Company in San Jose. Activities included field work, writing investigative and corrective action work plans and report writing.

Project Manager: Managed the installation of a groundwater monitoring well, development, and sampling of groundwater at a UST site, A. Dariano & Son, Inc. in San Jose. Activities included field work and writing a work plan and report.

Project Manager: Managed a groundwater monitoring program at a UST site, Advance Interiors in Fremont. Activities included field work, writing a work plan and report.

Project Manager: Managed a soil and water investigation at a UST site, Honda Suzuki of San Mateo. Activities included writing a work plan, report, and conducting hand augering, soil sampling, and groundwater sampling.

Field Chemist: On-site analyses of soil gases at approximately 10 leaking UST sites involving chlorinated solvents and fuels around Silicon Valley, California. Analyses were performed using gas chromatographs equipped with flame ionization, photo ionization, and electron capture detectors.

Field Chemist: On-site analyses of soil gases at approximately 20 leaking UST sites including Beacon Oil Stations throughout northern California. Analyses were performed with a simple flame ionization detector.

Sampling Technician: Collection of soil and water samples for UST leak sites. Activities include directing collection of soil and water samples using percussion sampling and augering. Experience includes water sampling using micro-bailers for plume definition mapping.

Air Quality Technician: Air Quality Compliance testing for UST remediation sites. Ativities include air flow rate measurements, collection of samples, analyses, calculation of emission rates and reporting to the Bay Area Air Quality Management District.

Air Quality Technician: Stack sampling technician at major industrial plants from San Diego to Portland, Oregon. Activities include flow rate measurements, sampling train management, wet chemistry analyses, and report writing.