

August 16, 1991

Alameda County
Office of Environmental Health
80 Swan Way
Room 200
Oakland, CA 94621

Attn: Ms. Pam Evans
Hazardous Materials Division

RE: Tank Removal, Excavation of Contaminated Soil,
Stockpile Sampling

Gentlemen:

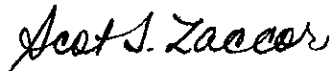
Enclosed please find comprehensive report for the initial tank removal, excavation of contaminated soil, and stockpile sampling at:

ALAMEDA GOLF COURSE
1 MEMORIAL CLUBHOUSE DRIVE
ALAMEDA, CALIFORNIA

Zaccor Corporation has mailed one copy of this report to the Owner of the property and one additional copy of this report has been mailed to the Water Quality Control Board San Francisco Region.

If I may be of further assistance to you, please do not hesitate to contact my office at (415) 363-2181.

Sincerely,
ZACCOR CORPORATION



Scot J. Zaccor
Project Manager

SJZ/ls

91 AUG 19 AM 11:27

August 4, 1991

Parks and Recreation
Oak Street at Santa Clara Street
Alameda, California 94501

Attention: Mr. Fred Framsted

The following documentation concerns the initial tank removal, excavation of contaminated soil, and stockpile sampling performed by Zaccor Corporation at:

**ALAMEDA GOLF COURSE
1 MEMORIAL CLUB HOUSE DRIVE
ALAMEDA, CALIFORNIA**

Field Sampling was performed in accordance with state and local agency approved methodology, in the presence of Pamela Evans, Hazardous Materials Specialist for the Alameda County Environmental Health Department.

See accompanying site diagram for the location of tanks, field sampling designations, and sampling depths.

TANK REMOVAL

On July 10, 1991, two underground storage tanks (UST's) were removed from the above mentioned address. These were one 500 gallon gasoline tank and one 125 gallon tank.

Upon tank removal the following observations were noted;

Tank A was a 500 gallon single wall steel gasoline UST. The tank was covered with an intact tar wrap. An anode was attached properly to the tank.

Tank B was a 125 gallon single wall steel UST. The tank was uncovered unexpectedly during the excavation of contaminated soil. The tanks existence was unknown. The tank had corroded to a thin shell with multiple holes and had been partially crushed by the pressure of native backfill. A GasTech model 1314 Hydrocarbon Survey Instrument was used to monitor vapors in soil present within the tank interior. Vapor concentrations within the tank exceeded the instruments maximum vapor detection capacity of 10,000 ppm. Three bungs were noted on the tank. It is assumed these were the fill pipe, vent pipe and product line bung.

SAMPLING

Soil samples were collected from the tank pit wall vadose/saturated capillary zone as groundwater was encountered at 5' within the excavation. This was accomplished by the clearing of fill material and slough from the designated sample area. A backhoe bucket then obtained a sample from 12" to 18" into the native soil. The surface three inches of soil was removed from the backhoe bucket and a clean brass sleeve driven into the remaining soil. Soil was packed into the sleeve, then covered with aluminum foil, fitted with plastic caps, sealed with duct tape, labeled, and placed under chain of custody, in a refrigerator within the mobile lab analytical facility, for immediate analysis.

EXCAVATION OF CONTAMINATION

The excavation of contaminated soil was implemented using heavy earth moving equipment.

As the excavation proceeded soil samples were obtained and monitored for odor and hydrocarbon vapors using a GasTech model 1314 hydrocarbon survey instrument.

Upon collection, soil samples were analyzed immediately using an on-site Certified Hazardous Waste Analytical Laboratory.

Where hydrocarbon contamination was detected the excavation of soil was implemented using heavy earth moving equipment. A soil sample was collected and analyzed for TPH-G & BTEX. This process was repeated until soil samples representing each wall contained no detectable concentrations for TPH-G & BTEX.

STOCKPILE SAMPLING

Composite soil samples were collected in accordance with the Bay Area Air Quality Management District (BAAQMD) guidelines.

Approximately 80 cubic yards of contaminated soil was generated throughout the original tank pull and excavation.

Soil samples were obtained from four points within each 50 cubic yards of soil to be composited at a certified laboratory for one analysis.

SAMPLE DATA-continued

Soil	5	North Wall Capillary	4.5'
Soil	6	East Wall Capillary	4.5'
Soil	7	West Wall Capillary	4.5'
Soil	8	South Wall Capillary	4.5'
Soil	9A-D	Stockpile	2'
Soil	10A-D	Stockpile	2'
Water	TPW-1	Tank Pit Water	8'

SAMPLE ANALYSIS

Sample AGC #1A-C to #10A-D and #TPW-1 were analyzed for Total Petroleum Hydrocarbons as Gasoline with benzene, toluene, ethylbenzene, and total xylenes (TPH-G, BTEX, EPA Method 5030/8020)

SOIL ANALYTICAL RESULTS

<u>Sample#</u>	<u>TPH-G</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
all AGC soil results are reported in ppm					
#1A-C	2,000	1.2	2.8	2.6	26
#2	960	3.5	0.10	3.0	13
#3A-C	250	0.52	0.45	0.65	5.4
#4	ND	0.011	ND	ND	0.005
#5	ND	ND	ND	ND	ND

STOCKPILE SAMPLING-continued

The composite soil samples were designated as sample AGC #1A-D, AGC #3A-D, AGC #7A-D, AGC #9A-D and sample AGC #10A-D.

Each sample was analyzed for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene and total xylenes.

GROUNDWATER SAMPLING

Groundwater was present within the tank pit at a depth of five feet.

Twice the water was evacuated from the tank pit and allowed to recharge. Following the second recharge, on July 16, 1991, a sample of the groundwater was collected by lowering a closed one liter amber bottle beneath the groundwater surface, the bottle was then opened, allowed to fill, closed, and removed from the tank pit excavation. This process was repeated until three one-liter amber bottles and three 40-ml VOA vials were filled to a positive meniscus and capped. The bottles were placed on blue ice under chain of custody and transported to a Certified Hazardous Waste Analytical Laboratory. The groundwater sample was analyzed for Total Petroleum Hydrocarbons as Gasoline, benzene, toluene, ethylbenzene, and xylene.

The tank pit was then backfilled with clean imported fill material.

SAMPLE DATA

<u>Matrix</u>	<u>AGC Sample #</u>	<u>Location</u>	<u>Depth</u>
Soil	1A-C	Stockpile	2'
Soil	2	South Wall Capillary Beneath 125 gal. tank	4.5'
Soil	3A-C	Stockpile	2'
Soil	4	South Wall Capillary	4.5'

SOIL ANALYTICAL RESULTS-continued

<u>Sample#</u>	<u>TPH-G</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
all AGC soil results are reported in ppm					
#6	3.0	0.030	0.006	0.023	0.059
#7	ND	ND	ND	ND	ND
#8	ND	ND	ND	ND	ND
#9A-D	ND	ND	ND	ND	ND
#10A-D	11	0.13	0.48	0.29	1.9

GROUNDWATER ANALYTICAL RESULT
result reported in ppb

<u>Sample#</u>	<u>TPH-G</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
#TPW-1	8,200	210	ND	270	1,200

ND = Not detectable amount at the lower detection limit

RECOMMENDATIONS

The State Water Resources Control Board Document, Leaking Underground Fuel Tank Field Manual (LUFT), supported by the San Francisco Regional Water Quality Control Board (SFRWQCB), defines acceptable limits and appropriate actions for addressing UST contamination.

The results of soil samples collected within the vadose/saturated wall capillary zone representing each wall, indicate soil contamination has been removed and further excavation is not warranted at this time.

A monitoring well is present within two feet of the tank pit excavation. It is our recommendation that this well be used for future monitoring should an investigation of the well installation reports and local groundwater gradient prove the wells integrity and placement is sufficient.

REPORTAGE

Copies of the sampling report, chain of custody, and certified analytical report should be submitted to both the SFRWQCB and the Alameda County Department of Environmental Health.

The following addresses have been listed for your convenience:

Water Quality Control Board
San Francisco Bay Region
2101 Webster St. Rm. 500
Oakland Ca. 94612
ATTN: Fuel Leaks Division

Alameda County Department of Environmental Health
Hazardous Materials Unit
80 Swan Way Rm.200
Oakland Ca. 94612
ATTN: Pamela Evans

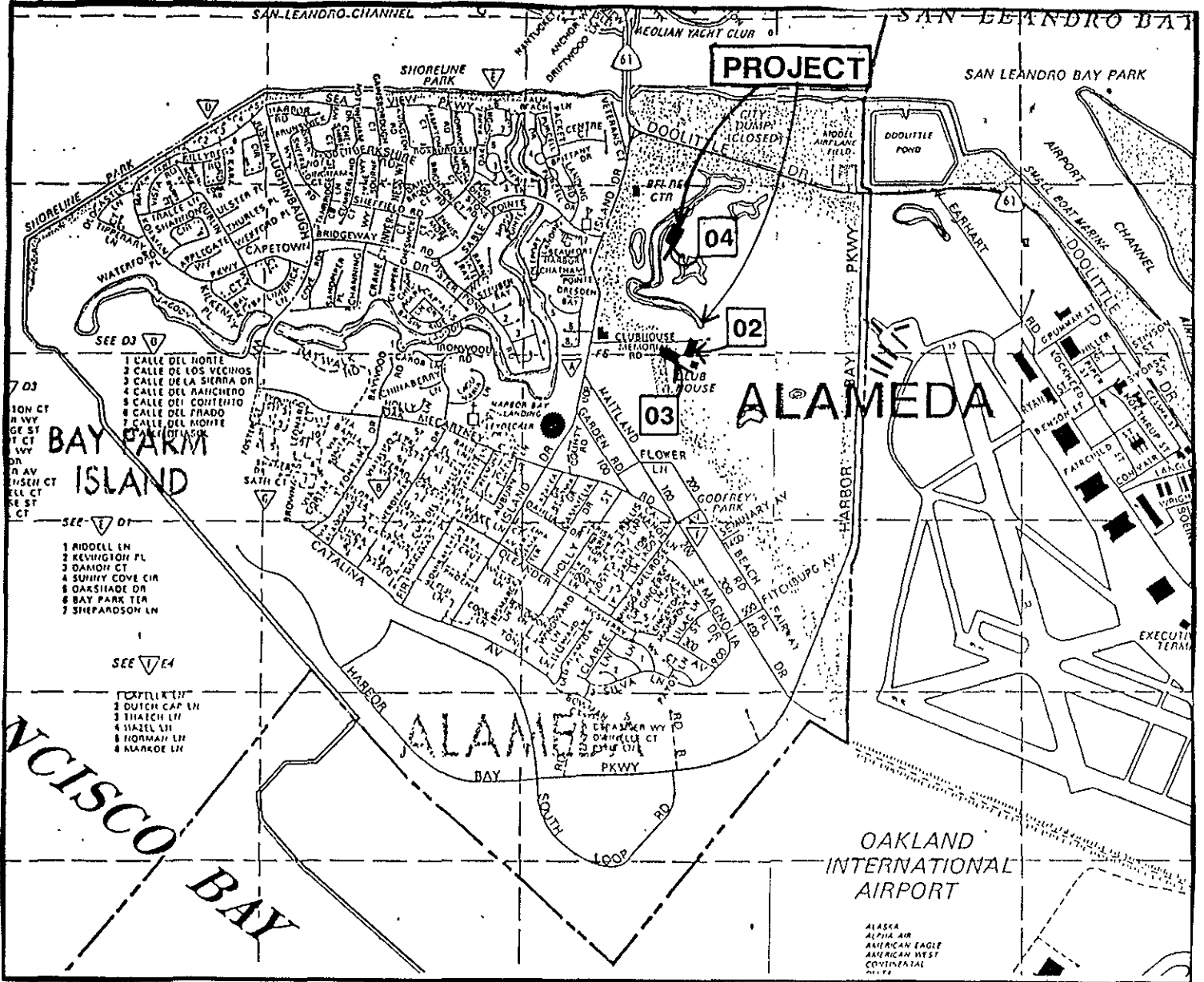
It has been a pleasure working with you. If I may be of further assistance please contact me at (415) 363-2181.

Sincerely,
ZACCOR CORPORATION

Gary Zaccor

Gary Zaccor
Project Manager

VICINITY MAP



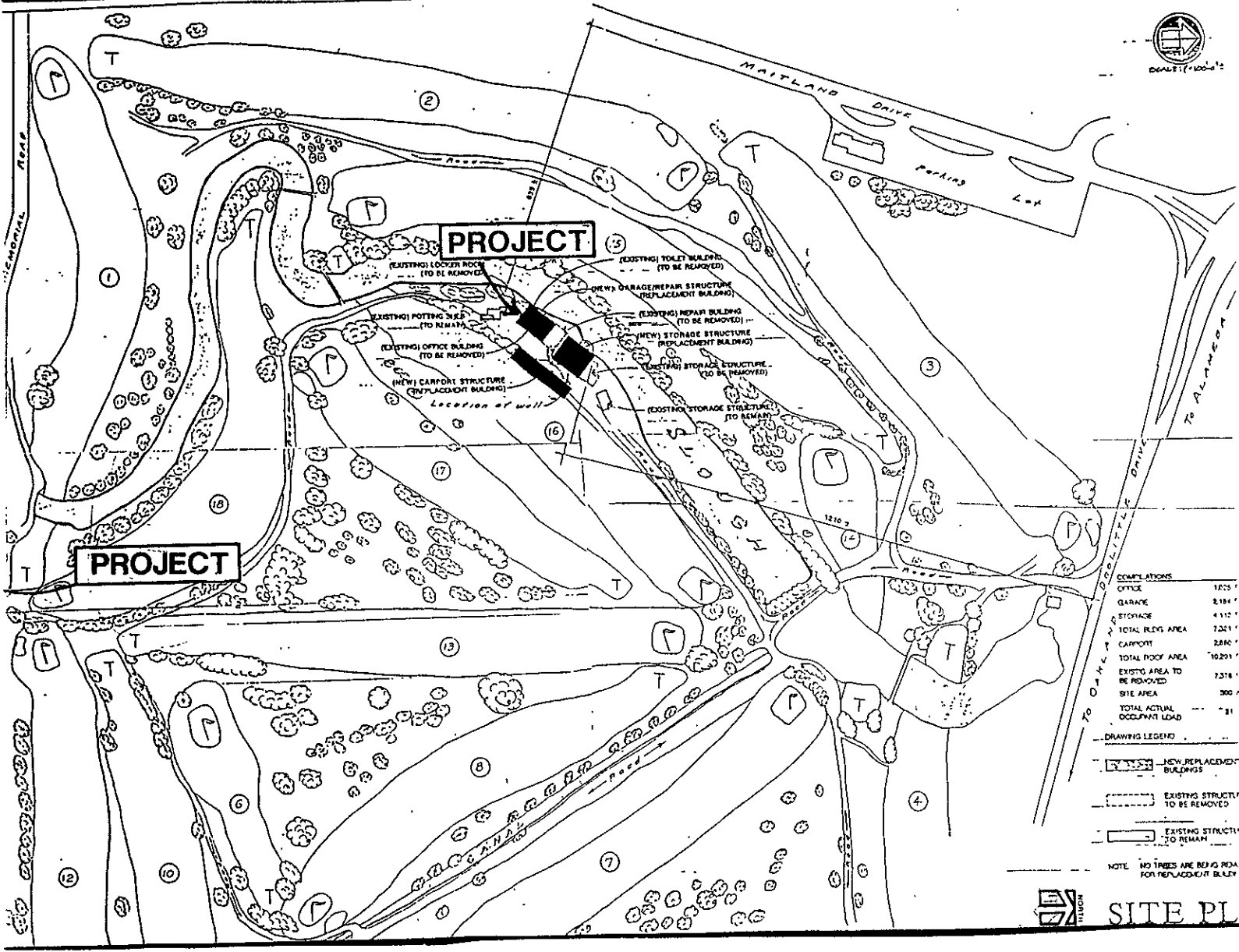
- SEE D3
- 1 CALLE DEL MONTE
 - 2 CALLE DE LOS VECINOS
 - 3 CALLE DE LA SIERRA DR
 - 4 CALLE DEL RANCHERO
 - 5 CALLE DEL CONTENITO
 - 6 CALLE DEL PRADO
 - 7 CALLE DEL MONTE
 - 8 CALLE DEL MONTE

- SEE D1
- 1 RIDGELL LN
 - 2 KENNINGTON PL
 - 3 DAMON CT
 - 4 SUNNY COVE CIR
 - 5 OAKSHADE DR
 - 6 BAY PARK TER
 - 7 SHEPARDSON LN

- SEE E4
- 1 CAPTAIN LN
 - 2 DUTCH CAP LN
 - 3 THATCH LN
 - 4 HAZEL LN
 - 5 NORMAN LN
 - 6 HARKOE LN

ALASKA
ALPHA AIR
AMERICAN EAGLE
AMERICAN WEST
CONTINENTAL

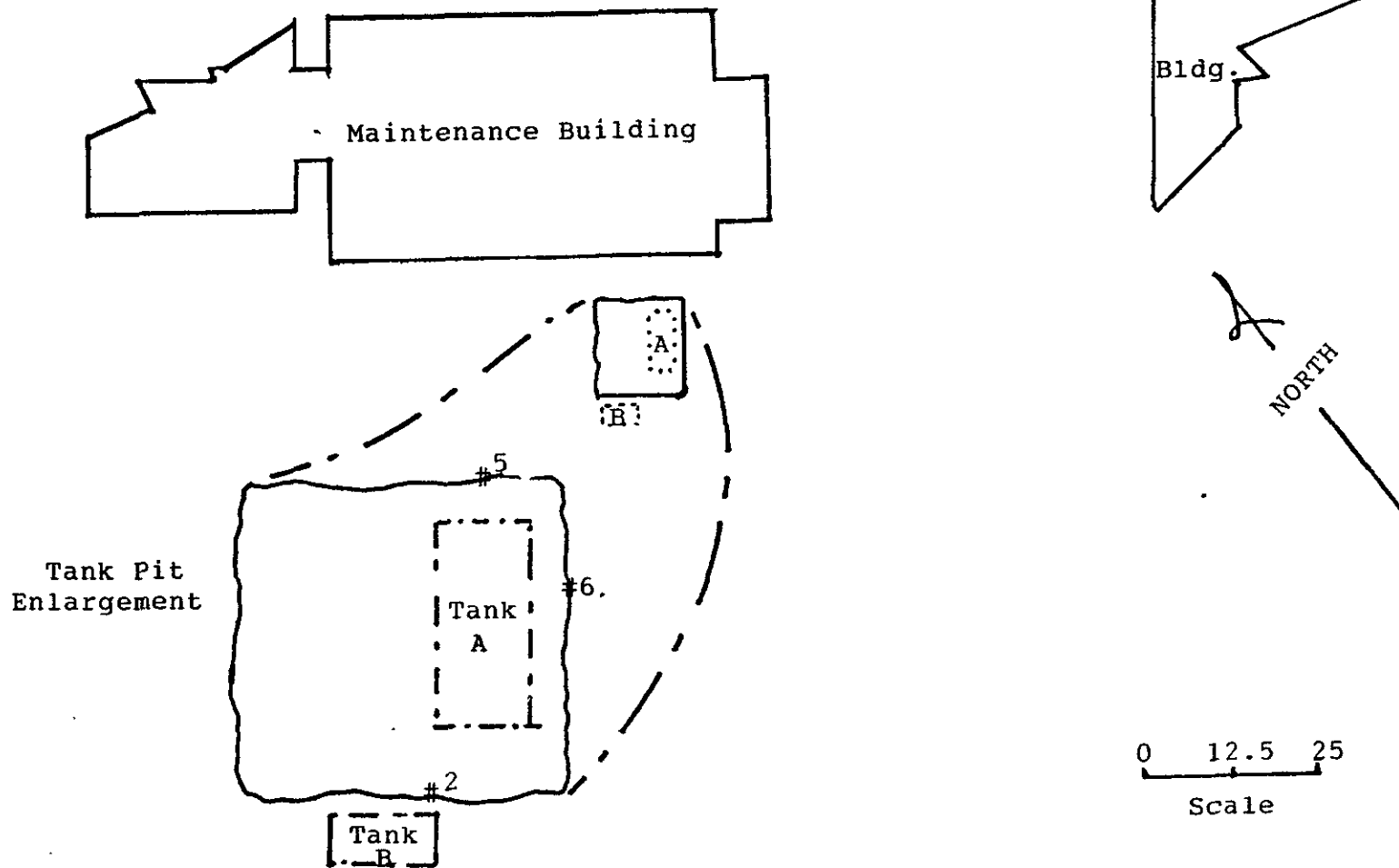
BUILDING LOCATOR MAP SEE SHEET T1 & T4 FOR OTHER LOCATIONS



ENVIRONMENTAL
TECHNICAL
SERVICES

at: Alameda Golf Course, 1 Memorial Club House Drive, Alameda CA.

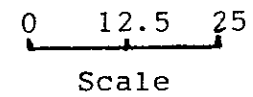
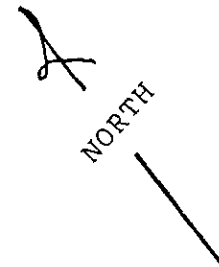
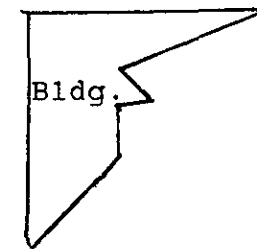
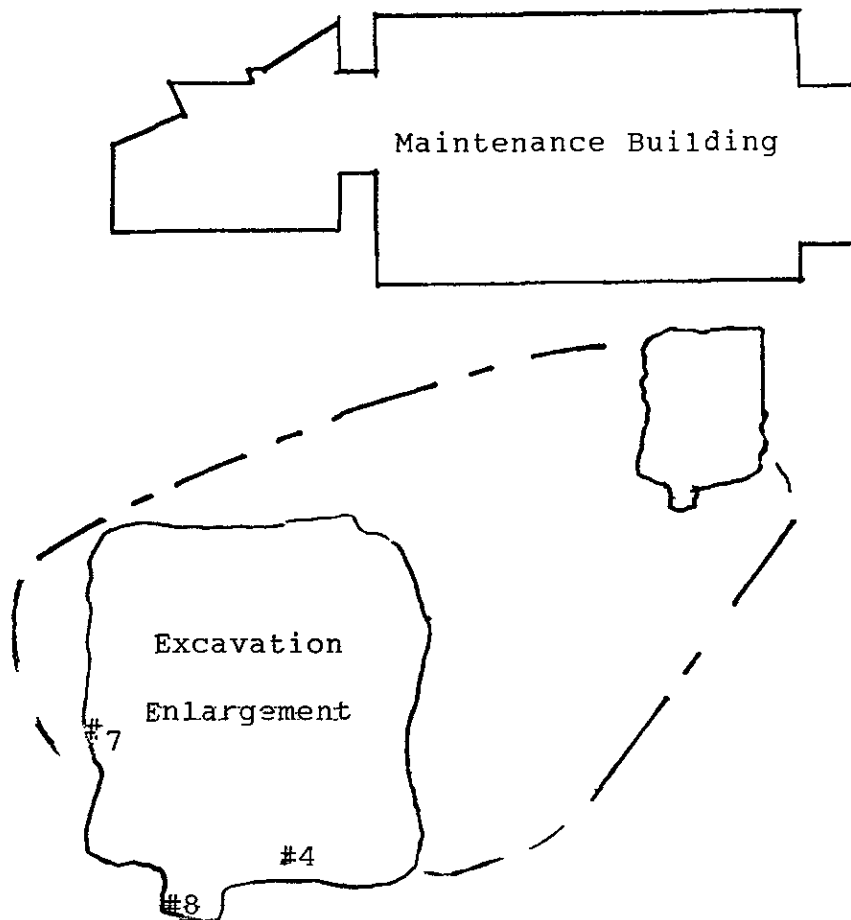
7/10/91



ENVIRONMENTAL
TECHNICAL
SERVICES

at: Alameda Golf Course, 1 Memorial Club House Drive, Alameda CA.

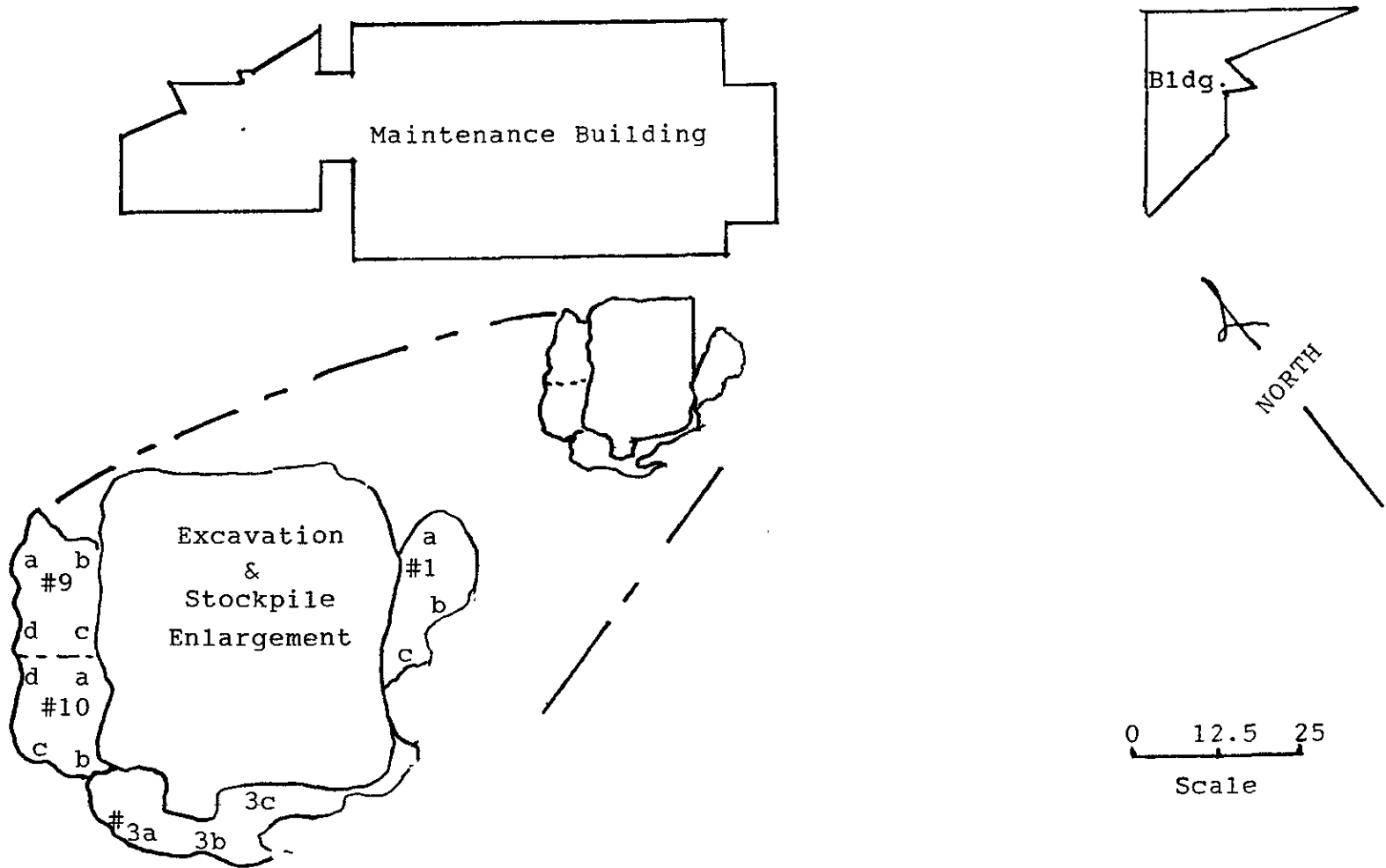
7/10/91



ENVIRONMENTAL
TECHNICAL
SERVICES

at: Alameda Golf Course, 1 Memorial Club House Drive, Alameda CA.

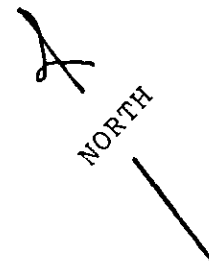
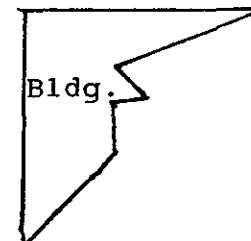
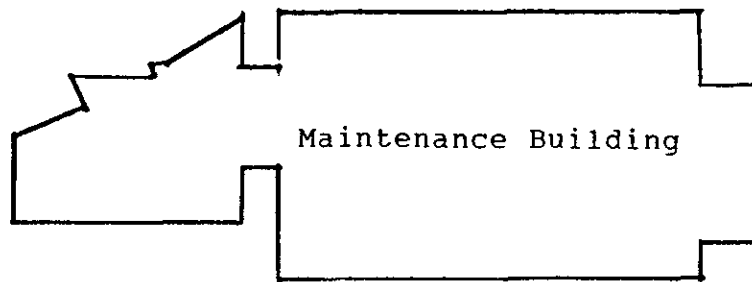
7/10/91



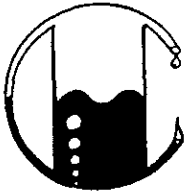
ENVIRONMENTAL
TECHNICAL
SERVICES

at: Alameda Golf Course, 1 Memorial Club House Drive, Alameda CA.

7/16/91



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Scale



MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071001

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#1A-#1C SOIL

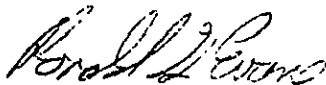
ANALYSIS

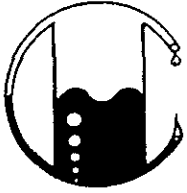
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	2,000
Benzene	0.005	1.2
Toluene	0.005	2.8
Xylenes	0.005	26
Ethylbenzene	0.005	2.6

QA/QC: Sample blank is none detected
Duplicate Deviation is 6.7%

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071002

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#2 SOIL

ANALYSIS

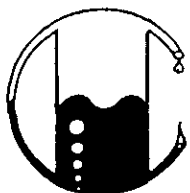
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	960
Benzene	0.005	3.5
Toluene	0.005	0.10
Xylenes	0.005	13
Ethylbenzene	0.005	3.0

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071003

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#3A, 3B, 3C SOIL


ANALYSIS

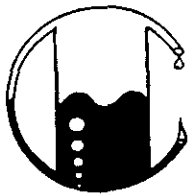
	Detection Limit	Sample Results
	----- ppm	----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	250
Benzene	0.005	0.52
Toluene	0.005	0.45
Xylenes	0.005	5.4
Ethylbenzene	0.005	0.65

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071004

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#4 SOIL

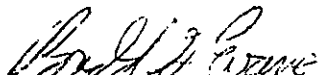
ANALYSIS

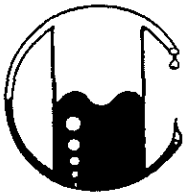
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	0.011
Toluene	0.005	<0.005
Xylenes	0.005	0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071005

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#5 SOIL

ANALYSIS

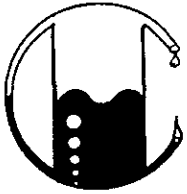
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

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Ronald G. Evans
Lab Director



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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071006

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#6 SOIL

ANALYSIS

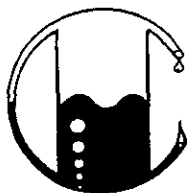
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	3.0
Benzene	0.005	0.030
Toluene	0.005	0.006
Xylenes	0.005	0.059
Ethylbenzene	0.005	0.023

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071007

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#7 SOIL

ANALYSIS

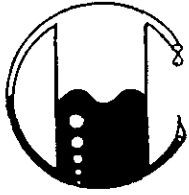
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected
Spike Recovery is 90%

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

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Phone (415) 372-3700 • Fax (415) 372-6955

#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071008

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#8 SOIL

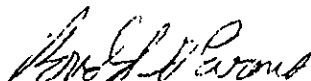
ANALYSIS

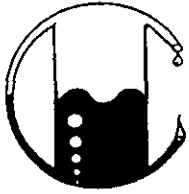
	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director



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#1 Clubhouse Dr.\011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-10-91

Sample Number

V071009

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#9A-9D SOIL

ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

QA/QC: Sample blank is none detected

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



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#1 Clubhouse Dr. \011780

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025
Attn: Gary Zaccor
Project Manager

Date Sampled: 07-10-91
Date Received: 07-10-91
Date Reported: 07-11-91

Sample Number

V071011

Sample Description

Alameda Golf Course
#1 Clubhouse Drive
Alameda, CA
#10A-10D SOIL


ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	11
Benzene	0.005	0.13
Toluene	0.005	0.48
Xylenes	0.005	1.9
Ethylbenzene	0.005	0.29

QA/QC: Sample blank is none detected
Duplicate Deviation is 0.7%

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS


Ronald G. Evans
Lab Director

ANAMETRIX INC

Environmental & Analytical Chemistry
1981 Concourse Drive Suite E San Jose CA 95131
(408) 432-8192 • Fax (408) 432-8198

**REPORT**

MR. GARY ZACCOR
ZACCOR CORP.
791 HAMILTON AVE.
MENLO PARK, CA 94025

Workorder # : 9107150
Date Received : 07/16/91
Project ID : AG COURSE
Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9107150- 1	TPW-1

This report consists of 3 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

Sarah Schoen, Ph.D.
Laboratory Manager

7-30-91

Date

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. GARY ZACCOR
ZACCOR CORP.
791 HAMILTON AVE.
MENLO PARK, CA 94025

Workorder # : 9107150
Date Received : 07/16/91
Project ID : AG COURSE
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9107150- 1	TPW-1	WATER	07/16/91	TPHg/BTEX

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. GARY ZACCOR
ZACCOR CORP.
791 HAMILTON AVE.
MENLO PARK, CA 94025

Workorder # : 9107150
Date Received : 07/16/91
Project ID : AG COURSE
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for this sample.

Charles Baigne 7/29/91
Department Supervisor Date

Luise Sher 7/29/91
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
(GASOLINE WITH BTEX)
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9107150
Matrix : WATER
Date Sampled : 07/16/91

Project Number : AG COURSE
Date Released : 07/29/91

----- COMPOUNDS -----	Reporting Limit (ug/L)	Sample I.D.# TPW-1 -01	Sample I.D.# 04B0723A BLANK
Benzene	0.5	210	ND
Toluene	0.5	ND	ND
Ethylbenzene	0.5	270	ND
Total Xylenes	0.5	1200	ND
TPH as Gasoline	50	8200	ND
% Surrogate Recovery		100%	91%
Instrument I.D.		HP4	HP4
Date Analyzed		07/23/91	07/23/91
RLMF		50	1

-
- ND - Not detected at or above the practical quantitation limit for the method.
 - TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
 - BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
 - RLMF - Reporting Limit Multiplication Factor.
Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Ami Skel 7/23/91
Analyst Date

Charles Bauman 7/29/91
Supervisor Date

10/24
 10/39
 10/7
 TT
 1515

CLIENT CHAIN-OF-CUSTODY RECORD

9107150

PROJECT NUMBER		PROJECT NAME				Number of Cntnrs	Type of Containers	Type of Analysis					Condition of Samples	Initial
AC Course		Alameda Golf Course												
Send Report Attention of:		Report Due		Verbal Due										
GARY ZACCOR		7/30/91		/ /										
Sample Number	Date	Time	Comp	Grab	Station Location									
TPU-1	7/16/91	1235		X	Water in Tank pit 2nd (Electrical)	300ml 150ml		✓						
								HOLD			(A) 3 used NCS b. bbls			
											9mm 6mm 4mm			
											(B) 500ml sample worm sample			

Relinquished by: (Signature) Robert Mackenzie	Date/Time 7/16/91 13:35	Received by: (Signature) Rtn Sanchez	Date/Time 7/16/91 12:35
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks: Routine
 May call for additional analysis

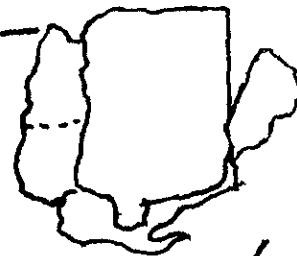
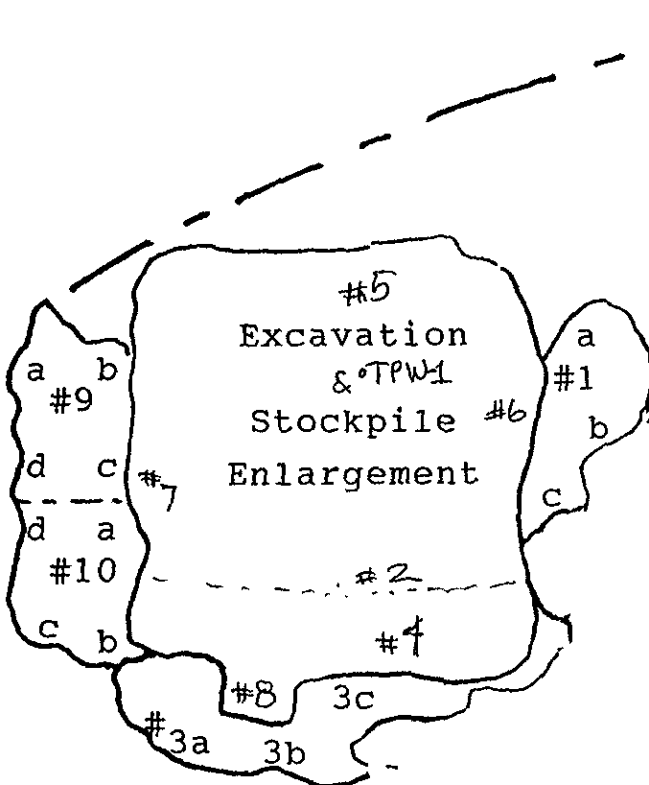
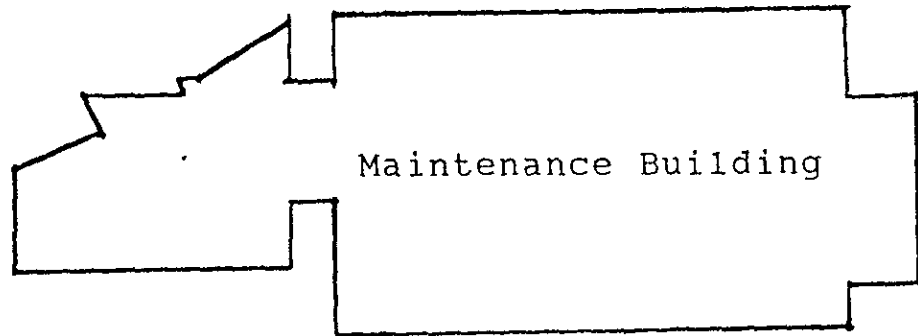
SAMPLE DISPOSAL:
 Return to Client []
 Soil Disposal by Anametrix (\$5.00 per container) []

COMPANY: ZACCOR CORPORATION
 ADDRESS: 791 Water Creek, Menlo Park, Ca
 PHONE: 453-2181 FAX:

ENVIRONMENTAL
TECHNICAL
SERVICES

at: Alameda Golf Course, 1 Memorial Clu

7/10/91



	TPHg	B	T	E	X
*#1 A-C	2000	✓	✓	✓	✓
2	960	✓	✓	✓	✓
*3 A-C	250	✓	✓	✓	✓
4	NO	✓	-	-	-
5	-	-	-	-	-
6	3	✓	✓	✓	✓
7	-	-	-	-	-
8	-	-	-	-	-
*9 A-D	-	-	-	-	-
10 A-D	11	✓	✓	✓	✓

TPW 1
TPHg ppb B T E X
8200 210 - 270 1,200