CLEARWATER
GROUP, INC.
Environmental Services

UST CLOSURE REPORT

Zimmerman Property
3442 Adeline Street
Oakland, California 94608
March 21, 2000

INTRODUCTION

This report documents the underground storage tank (UST) closure performed at the Zimmerman property, 3442 Adeline Street, Oakland, CA (Figure 1).

BACKGROUND

Unknown previous owner and operator. The UST was found in a Phase-One investigation performed on the property by a potential property buyer.

The former UST was located in the sidewalk of the west side of Chestnut Street, in a mixed zoning area of West Oakland (Figure 2).

Client:	Ron Zimmerman, Oakland, CA, (510) 530-5748
Removal Contractor:	Fast-Tek Engineering Services, Pt. Richmond, CA, (510) 232-2728
Consultant:	Clearwater Group Inc., Oakland, CA, (510) 893-5160
Laboratories:	Entech Analytical Labs, Sunnyvale, CA, (408) 735-1550. ELAP #I-2346
Regulatory Oversight:	City of Oakland (CUPA), Oakland, CA, (510) 238-3851

UST INFORMATION

Date of UST removal:	February 22, 2000
Number of UST/size:	One - 3,750 gallon
Use:	Storage of gasoline and diesel for unknown use
Construction:	Single wall thick steel
Age:	unknown
Condition:	No seam splits or holes visible when removed and seemed to be in excellent condition.

SOIL SAMPLING

UST cavity sampling:	Two on 2/22/00
Product line sampling:	None, product lines were located above UST
Fuel island pumps sampling:	No pump on site
Analyses:	TPHd, TPHg, MTBE, BTEX (EPA Methods 3550/8015M, 5030/8015M/8020)
Results:	Table 1 and Figure 3

GROUNDWATER SAMPLING

UST cavity sampling:	One on 2/22/00
Analyses:	TPHd, TPHg, MTBE, BTEX (EPA Methods 3510/8015M, 5030/8015M/8020)
Results:	Table 2 and Figure 3

Remarks: Sidewall soil samples were collected by Clearwater Group on 02/22/00 at the soil/groundwater interface on each end of the tank with an impact sampling device. Sample tubes were labeled, logged onto a chain of custody, and transported in a cooler to the project laboratory. See Table 1, Figure 3, and attached certified analytical reports (CAR) for further details on results. These soil samples were collected in the presence of Leroy Griffin from the Oakland Fire Department.

Additionally, Clearwater Group collected one groundwater sample from the excavation. This sample was collected with a polyethylene disposable bailer and decanted into appropriate containers for analysis. See Table 2, Figure 3 and attached CAR for sample results.

HYDROGEOLOGIC COMMENTS

Exposed Sidewall Description

0-3 feet below grade:	Highly organic dark brown loam
3-7 feet below grade:	Organic rich clay (typical bay mud), green, low permeability

Depth to water at the site was found to be at 7 feet bgs, just above the maximum depth of the excavation. A hydrocarbon sheen was not observed on the surface of the groundwater in the excavation.

CONCLUSIONS

Concentrations of petroleum hydrocarbons were detected in soil and groundwater samples collected in the former UST excavation (Figure 3).

ATTACHMENTS

- UST Removal Soil Sample Results (Table 1)
- UST Removal Groundwater Sample Results (Table 2)
- Site Location Map (Figure 1)
- Site Plan (Figure 2)
- UST Removal - Sample Map (Figure 3)
- Certified Analytical Reports and Chain-of-Custody Form
- Permits, Hazardous Waste Manifests and Tank Disposal Certificate

CLEARWATER
GROUP, INC.
Environmental Services

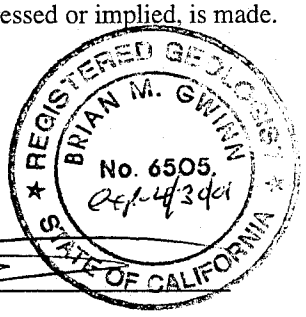
CERTIFICATION

This report was prepared under the supervision of a professional Registered Geologist in the state of California. All statements, conclusions, and recommendations are based solely upon published results from previous consultants, field observations by Clearwater Group, and analyses performed by a state-certified laboratory related to the work performed by Clearwater Group.

Information and interpretation presented herein are for the sole use of the client and the regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service provided by Clearwater Group has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

Reviewed by:



Brian Gwinn, R.G.
Chief Geologist

Prepared by:

Scott Ferriman
Project Scientist

c.c.
Steve Crawford, City of Oakland Fire Department, Hazardous Materials Division

Table 1
UST REMOVAL SOIL SAMPLE RESULTS
(Collected February 22, 2000)
Zimmerman Property
3442 Adeline Street
Oakland, California

Sample I.D.	Depth (ft)	Sample Location	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
NW-6.5'	6.5	Northwest sidewall just above groundwater	130	130	< 0.5	0.16	0.26	0.73	6.3
SE-6.5'	6.5	Southeast sidewall just above groundwater	850	920	< 2.5	0.30	0.37	5.3	22

Notes:

Depth	Approximate depth below grade, sample collected in excavation by impact sampler
TPHd	Total petroleum hydrocarbons by EPA Method 3550/8015M
TPHg	Total petroleum hydrocarbons as gasoline by EPA Method 5030/8015M
MTBE	Methyl tert-butyl ether by EPA Method 8020
BTEX	Benzene, Toluene, Ethylbenzene, total Xylenes by EPA Method 8020
mg/kg	Milligrams per kilogram
<#	Not detected in concentrations exceeding indicated practical quantitation limit (#)

Table 2

UST REMOVAL GROUNDWATER SAMPLE RESULTS

(Collected February 22, 2000)

Zimmerman Property

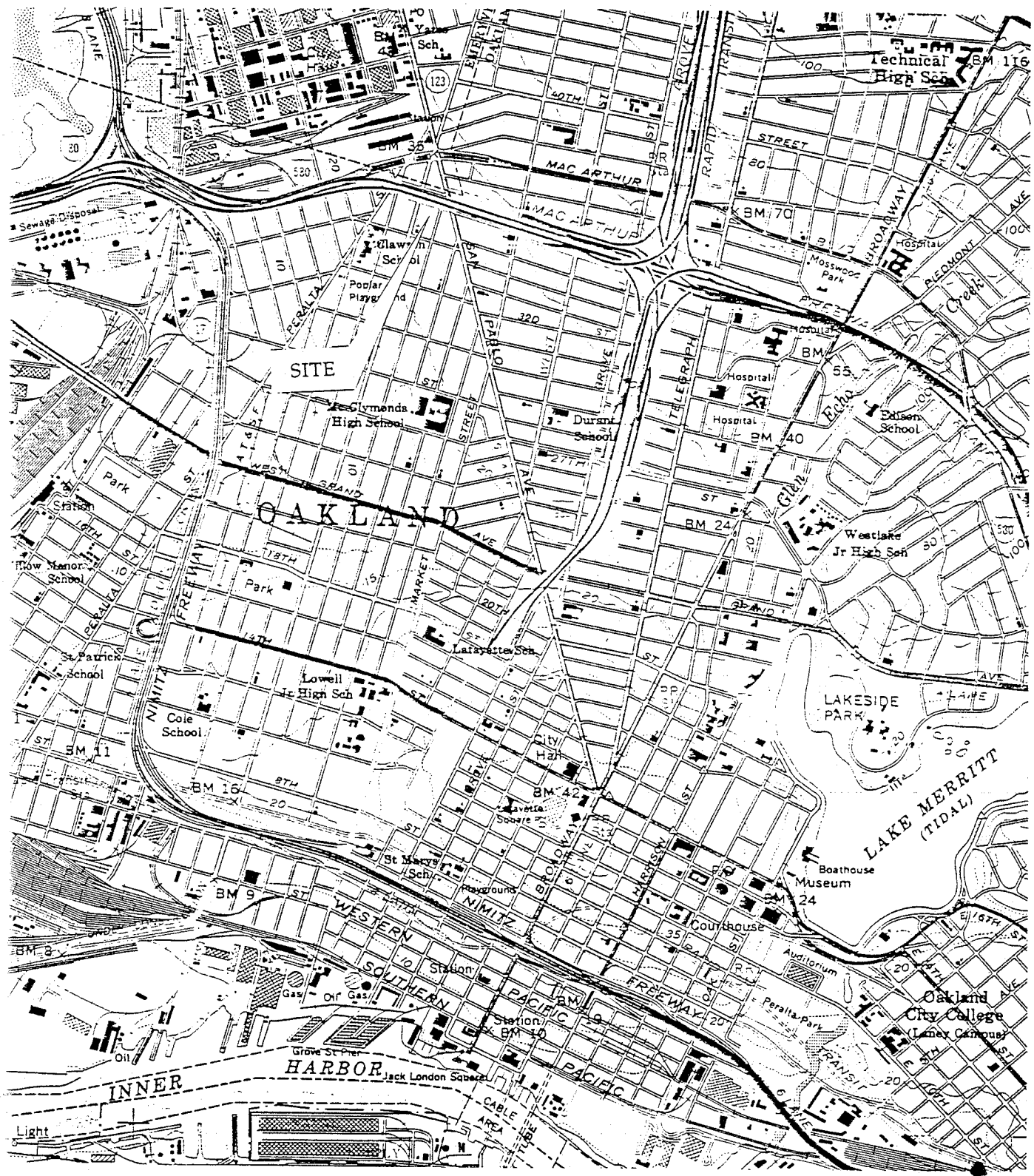
3442 Adeline Street

Oakland, California

Sample I.D.	Depth (ft)	Sample Location	TPHd (ug/L)	TPHg (ug/L)	MTBE (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)
PIT WATER	7	center of excavation	7,400	34,000	< 250	3,300	930	400	6,200

Notes:

Depth	Approximate depth below grade, sample collected in excavation by hand bailer
TPHd	Total petroleum hydrocarbons as diesel by EPA Method 3510/8015M
TPHg	Total petroleum hydrocarbons as gasoline by EPA Method 5030/8015M
MTBE	Methyl tert-butyl ether by EPA Method 8020
BTEX	Benzene, Toluene, Ethylbenzene, total Xylenes by EPA Method 8020
ug/L	Micrograms per liter
<#	Not detected in concentrations exceeding indicated practical quantitation limit (#)



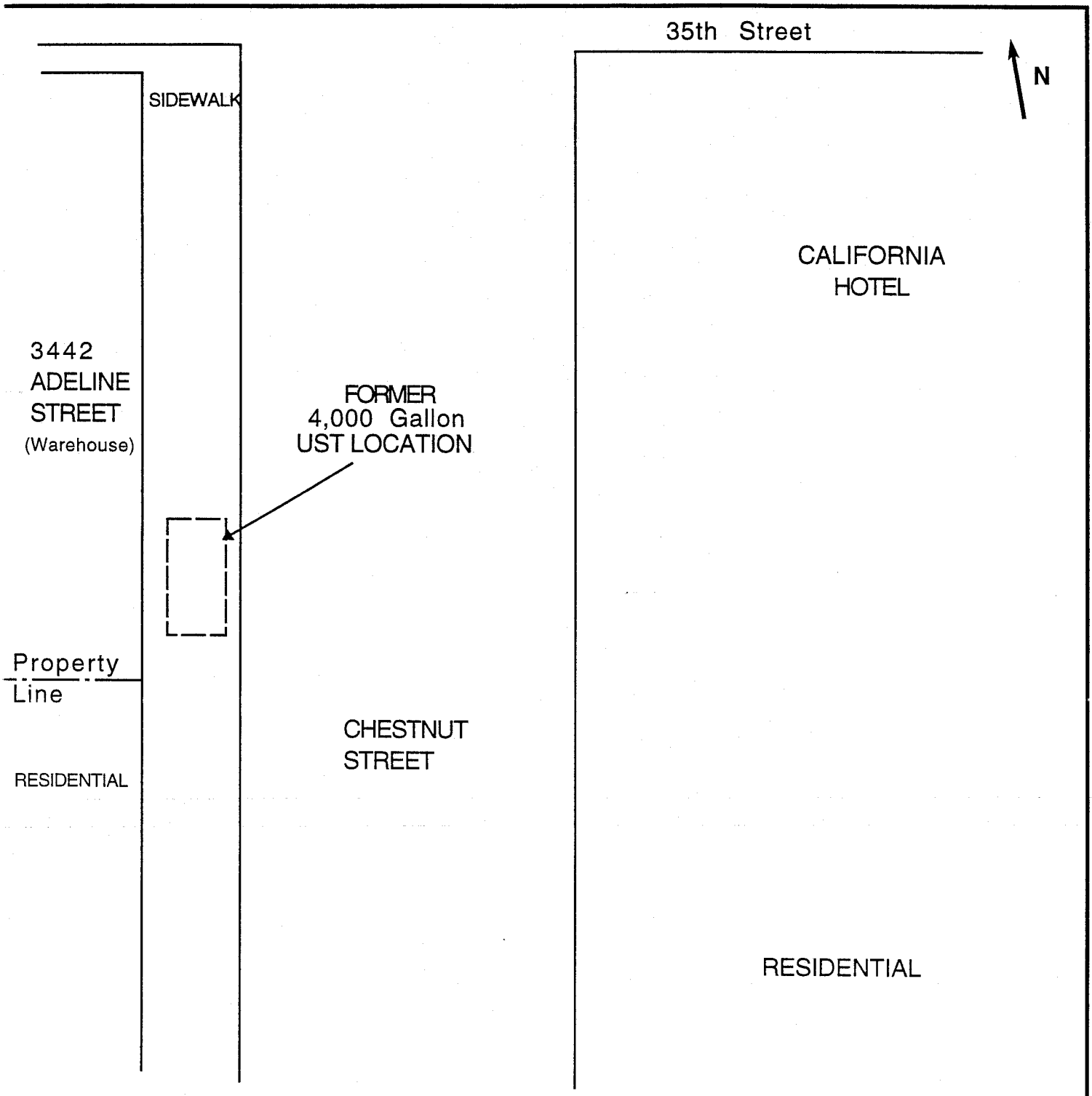
CE: USGS Quadrangle
nd, West, CA

SITE LOCATION MAP

Zimmerman Property, 3442 Adeline Street
Oakland, California

CLEARWATER GROUP, INC.

Project No.	Figure Date	Figure No.
AB013C	3/00	1



0 20 40

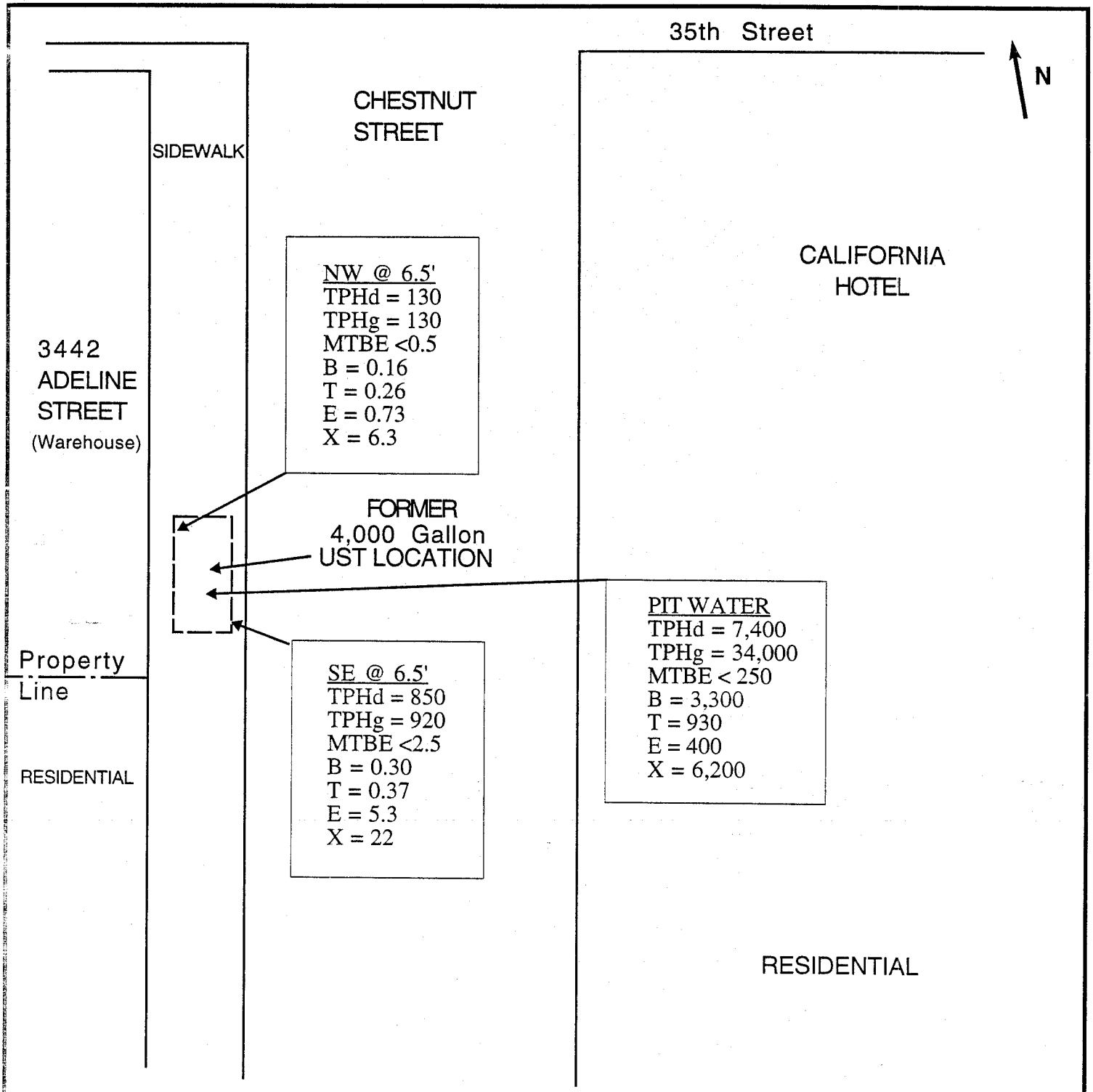
APPROXIMATE SCALE IN FEET

SITE PLAN
Zimmerman Property
3442 Adeline Street
Oakland, California

LEGEND

CLEARWATER GROUP, INC.

Project No.	Report Date	Figure
AB-013-C	3/00	2



UST REMOVAL SAMPLE MAP
Zimmerman Property
3442 Adeline Street
Oakland, California

LEGEND

Soil sample results in mg/kg
Pit Water results in ug/L

CLEARWATER GROUP, INC.

Project No.	Report Date	Figure
AB-013-C	3/00	3

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

March 02, 2000

Scott Ferriman
Clearwater Group, Inc.
520 Third Street, Suite 104
Oakland, CA 94607

Order: 19214
Project Name: AB013C
Project Number:
Project Notes:

Date Collected: 2/22/00
Date Received: 2/22/00
P.O. Number:

On February 22, 2000, samples were received under documentented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method
Liquid	BTEX+MTBE	EPA 8020
	TPH as Diesel	EPA 8015 MOD. (Extractable)
	TPH as Gasoline	EPA 8015 MOD. (Purgeable)
Solid	BTEX+MTBE	EPA 8020
	TPH as Diesel	EPA 8015 MOD. (Extractable)
	TPH as Gasoline	EPA 8015 MOD. (Purgeable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# 2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Clearwater Group, Inc.
520 Third Street, Suite 104
Oakland, CA 94607
Attn: Scott Ferriman

Date: 3/2/00
Date Received: 2/22/00
Project Name: AB013C
Project Number:
P.O. Number:
Sampled By: Scott Ferriman

Certified Analytical Report

Order ID: 19214 **Lab Sample ID:** 19214-001 **Client Sample ID:** NW-6.5

Sample Time: 12:40 PM **Sample Date:** 2/22/00 **Matrix:** Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	ND		100	0.005	0.5	mg/Kg		2/28/00	SGC1000229	EPA 8020
Benzene	0.16		100	0.0005	0.05	mg/Kg		2/28/00	SGC1000229	EPA 8020
Toluene	0.26		100	0.0005	0.05	mg/Kg		2/28/00	SGC1000229	EPA 8020
Ethyl Benzene	0.73		100	0.0005	0.05	mg/Kg		2/28/00	SGC1000229	EPA 8020
Xylenes, Total	6.3		100	0.001	0.1	mg/Kg		2/28/00	SGC1000229	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	94	65 - 135

Comment: Samples required methanol extraction due to high concentrations of target hydrocarbons

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	130		100	0.050	5	mg/Kg		2/28/00	SGC1000229	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	82	65 - 135

Comment: Sample required methanol extraction due to high concentrations of target hydrocarbons

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 234

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Clearwater Group, Inc.
520 Third Street, Suite 104
Oakland, CA 94607
Attn: Scott Ferriman

Date: 3/2/00
Date Received: 2/22/00
Project Name: AB013C
Project Number:
P.O. Number:
Sampled By: Scott Ferriman

Certified Analytical Report

Order ID: 19214 **Lab Sample ID:** 19214-002 **Client Sample ID:** SE-6.5

Sample Time: 12:50 PM **Sample Date:** 2/22/00 **Matrix:** Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	ND		500	0.005	2.5	mg/Kg		2/25/00	SGC1000223	EPA 8020
Benzene	0.30		500	0.0005	0.25	mg/Kg		2/25/00	SGC1000223	EPA 8020
Toluene	0.37		500	0.0005	0.25	mg/Kg		2/25/00	SGC1000223	EPA 8020
Ethyl Benzene	5.3		500	0.0005	0.25	mg/Kg		2/25/00	SGC1000223	EPA 8020
Xylenes, Total	22		500	0.001	0.5	mg/Kg		2/25/00	SGC1000223	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	91	65 - 135

Comment: Samples required methanol extraction due to high concentrations of target hydrocarbons

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	920		500	0.050	25	mg/Kg		2/25/00	SGC1000223	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	61	65 - 135

Comment: Surrogate recovery out of control limits due to matrix interference

Comment: Sample required methanol extraction due to high concentrations of target hydrocarbons

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

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CA ELAP# 2346

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Clearwater Group, Inc.
520 Third Street, Suite 104
Oakland, CA 94607
Attn: Scott Ferriman

Date: 3/2/00
Date Received: 2/22/00
Project Name: AB013C
Project Number:
P.O. Number:
Sampled By: Scott Ferriman

Certified Analytical Report

Order ID: 19214 **Lab Sample ID:** 19214-003 **Client Sample ID:** PIT WATER

Sample Time: 1:00 PM **Sample Date:** 2/22/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
MTBE	ND		50	5	250	µg/L		2/29/00	WGC2000228	EPA 8020
Benzene	3300		50	0.5	25	µg/L		2/29/00	WGC2000228	EPA 8020
Toluene	930		50	0.5	25	µg/L		2/29/00	WGC2000228	EPA 8020
Ethyl Benzene	400		50	0.5	25	µg/L		2/29/00	WGC2000228	EPA 8020
Xylenes, Total	6200		50	0.5	25	µg/L		2/29/00	WGC2000228	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	91	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	34000		50	50	2500	µg/L		2/29/00	WGC2000228	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	93	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

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Clearwater Group, Inc.
520 Third Street, Suite 104
Oakland, CA 94607
Attn: Scott Ferriman

Date: 3/2/00
Date Received: 2/22/00
Project Name: AB013C
Project Number:
P.O. Number:
Sampled By: Scott Ferriman

Certified Analytical Report

Order ID: 19214 **Lab Sample ID:** 19214-001 **Client Sample ID:** NW-6.5
Sample Time: 12:40 PM **Sample Date:** 2/22/00 **Matrix:** Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	130	x	2	1	2	mg/Kg	2/28/00	3/1/00	DS000224	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
Hexacosane	80	65 - 135

Order ID: 19214 **Lab Sample ID:** 19214-002 **Client Sample ID:** SE-6.5
Sample Time: 12:50 PM **Sample Date:** 2/22/00 **Matrix:** Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	850	x	20	1	20	mg/Kg	2/28/00	3/1/00	DS000224	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
Hexacosane	68	65 - 135

Order ID: 19214 **Lab Sample ID:** 19214-003 **Client Sample ID:** PIT WATER
Sample Time: 1:00 PM **Sample Date:** 2/22/00 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	7400	x	5	50	250	µg/L	2/25/00	2/29/00	DW000210	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
Hexacosane	120	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# 234

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STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: SGC1000229
Matrix: Soil
Units: µg/kg

Date Analyzed: 02/29/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/kg	SA µg/kg	SR µg/kg	SP	SP % R	SPD µg/kg	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<5.0	4.3	ND	5.0	**117**	5.0	**117**	0.0	25	70-130
Toluene	8020	<5.0	28.6	ND	29	**100**	28	**99**	0.7	25	70-130
Ethyl Benzene	8020	<5.0	5.6	ND	5.8	**104**	5.8	**104**	0.0	25	70-130
Xylenes	8020	<5.0	32.4	ND	32	**100**	33	**101**	0.9	25	70-130
Gasoline	8015	<1000	500	ND	526	**105**	548	**110**	4.1	25	75-125
aa-TFT(S.S.)-PID	8020			110%	112%		113%				65-135
aa-TFT(S.S.)-FID	8015			114%	111%		114%				65-135

Definition of Terms:

na: Not Analyzed in QC batch
MB: Method Blank
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery
NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: SGC1A000223
Matrix: Soil
Units: µg/kg

Date Analyzed: 02/23/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/kg	SA µg/kg	SR µg/kg	SP	SP % R	SPD µg/kg	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<5.0	4.3	ND	4.4	**103**	4.5	**105**	2.2	25	70-130
Toluene	8020	<5.0	28.6	ND	32	**112**	29	**101**	10.5	25	70-130
Ethyl Benzene	8020	<5.0	5.6	ND	6.0	**107**	5.9	**105**	1.7	25	70-130
Xylenes	8020	<5.0	32.4	ND	34	**104**	33	**103**	0.9	25	70-130
Gasoline	8015	<1000	500	ND	538	**108**	517	**103**	4.0	25	75-125
aaa-TFT(S.S.)-PID	8020			111%	111%		110%				65-135
aaa-TFT(S.S.)-FID	8015			113%	112%		110%				65-135

Definition of Terms:

na: Not Analyzed in QC batch
MB: Method Blank
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery
NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: WGBG2000228
Matrix: Water
Units: µg Liter

Date Analyzed: 02/28/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	SP % R	SPD µg/Liter	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	4.3	ND	4.1	95	3.5	82	14.5	25	67-115
Toluene	8020	<0.50	28.0	ND	27	96	25	89	8.1	25	82-122
Ethyl Benzene	8020	<0.50	5.6	ND	5.4	96	4.9	88	9.1	25	77-114
Xylenes	8020	<0.50	31.3	ND	31	98	28	91	8.2	25	85-125
Gasoline	8015	<50.0	484	ND	481	99	433	90	10.4	25	74-122
aaa-TFT(S.S.)-PID	8020			103%	101%		100%				65-135
aaa-TFT(S.S.)-FID	8015			110%	106%		103%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

Laboratory Control Spikes

QC Batch #: DS000224
Matrix: Solid
Units: mg/Kg

Date analyzed: 02/29/00
Date extracted: 02/25/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB mg/Kg	SA mg/Kg	SR mg/Kg	SP mg/Kg	SP %R	SPD mg/Kg	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Diesel	8015M	<1.0	25	ND	22	89	20	79	12.4	30	50-150
Hexocosane				104%	110%		101%				65-135

Calculated Recovery Outside of Control Limits:

Definition of Terms:

MB: Method Blank
na: Not Analyzed in QC batch
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike Duplicate % Recovery
NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Spikes

QC Batch #: DW000210
Matrix: Liquid
Units: µg/L

Date analyzed: 02/24/00
Date extracted: 02/23/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/L	SA µg/L	SR µg/L	SP µg/L	SP %R	SPD µg/L	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Diesel	8015M	<50.0	1000	ND	884	**88**	883	**88**	0.1	25	58-121
Hexocosane(S.S.)				106%	104%		102%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R) Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R) Spike Duplicate % Recovery
- NC: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-1554

Chain of Custody/Analysis Work Order

Client: Clearwater Group, ~~Inc~~

Address: 520 3rd Street, 104
Oakland, CA 94607

Contact: Scott Ferriman

Telephone #: 510-893-5160

Date Received:

Turn Around: 5-Day

Project ID: ~~AB013C~~ AB013C

Purchase Order #:

Sampler/Company: Scott T. / Clearwater — Telephone #: 510-893-5160

Special Instructions/Comments: Confirm 8260 if Detected MTBE by — by 8020

LAB USE ONLY

Samples arrived chilled and intact: Yes No

Notes:

19214

Sample Information — **Requested Analysis**

Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH-D 8015	TPH-G BTEX MTBE 8015/8020					
001	NW-6.5'	G	soil	2-22-00	12:40	—	1-BT	X	X					
002	SE-6.5	G	soil	2-22-00	12:50	—	1-BT	X	X					
003	Pit Water	G	water	2-22-00	13:00	HCl-VOA's 2-Unp.	4-VOA's 2-950mL	X	X					

Relinq. By:	Received By:	Date	Time
Scott T.	Amy Hultgage #1010	02-22-00	2:45
Relinq. By:	Received By:	Date 2/22/00	Time 2:45
Relinq/ By:	Received By:	Date	Time

City Of Oakland
FIRE PREVENTION BUREAU

250 Frank Ogawa Plaza, Ste. 3341
Oakland California 94612-2032
510-238-3851

Permit To Excavate And Install, Repair, Or Remove Inflammable Liquid Tanks

Oakland, California February 14, 2000

Tank Permit Number: 6-00

Permission Is Hereby Granted To:

Remove gas **Tank And Excavate Commencing:** four **Feet Inside:** property **Line.**

On The: west side of Chestnut St., 120 feet south of 35th Ave.

Site Address: 3442 Adeline St. **Present Storage:**

Owner: Ron Zimmerman **Address:** 74 Castle Park Wy., 94611 **Phone:** 604-0194

Applicant: Clearwater Group, Inc. **Address:** 520 3rd St., Ste., 104 Oakland, 94607 **Phone:** 893-5160

Dimensions Of Street (sidewalk) Surface To Be Disturbed : 10 X 20 **No. Of Tanks** 1 **Capacity** 4000 **Gallons, Each**

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection: Removal / Leroy Griffin

Inspected And Passed On:

By:

Approved: JERRY E. BLUEFORD
Fire Marshal

UST/AST Installations/modifications:

Pressure Test: Inspected By: **Date:**

Primary Piping Test: Inspected By: **Date:**

Inspection Fee Paid: $ 540.00

Received By: D. Clemons ck#4083 rec#793754

Secondary Containment & Sump Testing:

Inspected By: **Date:**

Final: Inspected By: **Date:**

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE KEPT ON THE WORK SITE AT ALL TIMES

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

PERMIT

OBSTRUCTION

Job Site 3499 CHESTNUT ST Parcel# Appl# OB00002C

reserve 50ft parking space for construction purposes Permit Issued 01/11/0C

3499 CHESTNUT ST

Nbr of mths: 1 Linear feet: 50
Effective: 01/11/00 Expiration: 02/10/00

LONG TERM NON-METERED

	Applcnt	Phone#	Lic#	License Classes
Owner	RONALD ZIMMERMAN	(510)530-5748		
ntractor				
rch/Engr				
Agent	BILL MOUAT	X (510)604-0194		
lic Addr	1740 RELIEZ VALLEY RD, LAFAYETTE CA, 94549			

$75.00 TOTAL FEES PAID AT ISSUANCE

$.00 Applic	$75.00 Permit
$.00 Process	$.00 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	

CITY OF OAKLAND

Applicant: Bill Mouat 1-11-00

Issued by: 1-11-00

Date: 01/11/00 Amt Paid: $424.38
By: PES Register R03 Receipt# 028794

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

PERMIT

EXCAVATION

Job Site 3499 - CHESTNUT ST Parcel# Appl# X0000027

Descr excavation for tank removal Permit Issued 01/11/00

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Accig#:

Util Fund #:

	Applcnt	Phone#	Lic#	License Classes
Owner	RONALD ZIMMERMAN	(510)530-5748		
Contractor				
Arch/Engr				
Agent	BILL MOUAT	X (510)604-0194		

Public Addr 1740 RELIEZ VALLEY RD, LAFAYETTE CA, 94549

$246.00 TOTAL FEES PAID AT ISSUANCE

$41.00 Applic	$205.00 Permit
$.00 Process	$.00 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	

CITY OF OAKLAND

Date: 01/11/00 Amt Paid: 1424.38

By: PES Register R03 Receipt# 0226794

OF OAKLAND

Office of ng and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

GE 2 of 2

MIT NUMBER	SITE ADDRESS/LOCATION
X0000027	3499 CHESTNUT ST.
ROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
TRACTOR'S LICENSE # AND CLASS	CITY BUSINESS TAX #

ENTION:

State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: _____

48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.

NER/BUILDER

eby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to ruct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the isions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the ed exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business essions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, ided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the en of proving that he did not build or improve for the purpose of sale).

as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will rformed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two tures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

am exempt under Sec. _____, B&PC for this reason _____

RKER'S COMPENSATION

hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

y # _____ Company Name _____

certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws alifornia (not required for work valued at one hundred dollars ($100) or less).

ICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith ply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is ed upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to rm the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property ined or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This it is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

eby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read ermit and agree to its requirements, and that the above information is true and correct under penalty of law.

Bill Mouat (AGENT) 1-11-00

ature of Permittee ☐ Agent for ☐ Contractor ☑ Owner Date

E STREET LAST	SPECIAL PAVING DETAIL	HOLIDAY RESTRICTION?	LIMITED OPERATION AREA?
URFACED	REQUIRED? ☐ YES ☐ NO	(NOV 1 - JAN 1) ☐ YES ☐ NO	(7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ED BY		DATE ISSUED 1-11-00	

1/11/00

ved OMB No. 2050-0039 (Expires 9-30-99)
or type. *Form designed for use on elite (12-pitch) typewriter.*

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAL000204481 — Manifest Document No.: 85325
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 99385325

3. Generator's Name and Mailing Address:
Ron Zimmerman
74 Castle Parkway
Oakland, CA 94611
4. Generator's Phone (510

B. State Generator's ID

5. Transporter 1 Company Name: CLEARWATER ENVIRONMENTAL
6. US EPA ID Number: CAR000007013

C. State Transporter's ID [Reserved.]
D. Transporter's Phone: (510) 476-1740

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID [Reserved.]
F. Transporter's Phone

9. Designated Facility Name and Site Address:
ALVISO INDEPENDENT OIL
5002 ARCHER STREET
ALVISO, CA 95002
10. US EPA ID Number: CAL000161743

G. State Facility's ID: CAL000161743
H. Facility's Phone: (510) 476-1740

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Oily Water Non-RCRA Hazardous Waste Liquid	001	TT	125	G	State: 223 EPA/Other: None
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PPE
Emergency Contact: (510) 476-1740 Attn: Kirk Heyward
ERG #

Site location: 3402 Adeline Street, Oakland, CA 94607
E014 23984

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Scott Ferriman	Scott F. [signature] agent for	02	20	00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ivan Germany	[signature]	02	22	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

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	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

22A (1/99)
0-22
Yellow: GENERATOR RETAINS

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 35467

CUSTOMER

JOB NO. 5240150 CLEARWATER GROUP

FOR: ~~ECOLOGY CONTROL IND.~~ TANK NO. ~~27961~~

LOCATION: RICHMOND, CA DATE: 3/21/2000 TIME: ~~9:58:31~~

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT GASOLINE

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 4,000 Gal. Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY. ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Paula M Arnold — REPRESENTATIVE

TITLE

DAVE SATO — INSPECTOR

C

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6. 5240150

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC022044813147			

3. Generator's Name and Mailing Address
Ron Zimmerman
74 Castle Parkway, Oakland, CA 94611

4. Generator's Phone (510) 604-0194 Attn: Ron Zimmerman

A. State Manifest Document Number: 99630437

B. State Generator's ID:

C. State Transporter's ID [Reserved.]:

D. Transporter's Phone: 510-236-1393

5. Transporter 1 Company Name: Ecology Control Industries

6. US EPA ID Number: CAD982030173

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID [Reserved.]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
ECOLOGY CONTROL INDUSTRIES
255 PARR BLVD
RICHMOND, CA 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID: CAD009466392

H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. WASTE EMPTY STORAGE TANK NON RCRA HAZARDOUS WASTE SOLID	001	TP	04000	P	State 512 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK(S) # 2796
TANK(S) HAVE BEEN INERTED
WITH 10 LBS DRY ICE PER 1000 GALLON CAPACITY

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 Hour emergency telephone number: 510 604-0194
24 Hour emergency contact: RON ZIMMERMAN
DOT ERG# 171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
BILL MOWAT	Bill Mowat (agent)	02	22	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
WILLIAM KNOAT		02	22	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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	Signature	Month	Day	Year
DAVID SATO	DAE SATO	02	22	00

DO NOT WRITE BELOW THIS LINE.

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, [illegible] 95812

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

5240150 1