

E. Physical Hazards

Other on-site hazards may include physical injuries due to the proximity of workers to engine-driven heavy equipment and tools. Heavy equipment used during excavation will likely include a backhoe. Only trained personnel will operate machines, tools, and equipment; all of which will be kept clean and in good repair. Safety apparel required around heavy equipment will include a hard hat.

The perimeter of the excavation will be sloped to create acceptably stable temporary cut slopes. All work will be performed in accordance with OSHA guidelines.

III WORK PLAN INSTRUCTIONS

A. Level of Protection

Regular surveys of the site and knowledge of the anticipated hazards will determine the level of protection and the safety procedures to be employed. The workers coming into contact with the excavated materials will wear rubber boots, disposable latex gloves and a hard hat.

The level of protection for personnel working in the area will be upgraded if organic vapor levels exceed 0.5 ppm above background levels continuously for more than 5 minutes. In this event, personnel protective equipment will include double cartridge respirators for organic vapors, Tyvek coveralls,

gloves, and hard hat with safety shield or safety glasses.

B. Combustible Gas and Organic Vapor Monitoring

SCI will monitor ambient levels of combustible gas vapors using a Gastech Hydrocarbon Supersurveyor, and a portable Photo-Ionization Detector (PID). The Health and Safety Officer will be notified if combustible gas vapor levels exceed ambient concentrations in the samples. Excavation will cease, equipment will be shut down, and personnel will be withdrawn from the area if either (1) the organic vapor concentration in the operators' breathing zone exceeds 200 ppm or (2) the combustible gas vapor concentration two feet above the excavation exceeds 2000 ppm or 25 percent of the lower explosive limit. The Health and Safety Officer will determine when personnel may return to the work area.

In the event low levels of organic vapors are detected, personnel will wear appropriate respirators (using NIOSH approved combination cartridges for organic vapors and dusts).

C. Site Entry Procedures

Access to the site will be controlled with barricades. All personnel entering the work zone will be qualified field personnel wearing the proper level of protection. Eating, drinking, smoking and any other practices which increase the probability of combustion or hand-to-mouth transfer will be prohibited in the work zone. A first aid kit and a 20-pound ABC fire extinguisher and potable water will be available at the site.

D. Decontamination Procedures and Disposal

All disposable protective clothing will be put into plastic bags and disposed of in a garbage receptacle. In the event of a medical emergency, the injured party will be taken through decontamination procedures, if possible. However, the procedures will be omitted when it may aggravate or cause more harm to the injured party. A member of the work team will accompany the injured party to the medical facility to advise on matters concerning chemical exposures.

IV EMERGENCY MEDICAL CARE

In the event of an injury or suspected chemical exposure, the first responsibility of the Health and Safety Officer will be to prevent further injury. This objective will normally require an immediate end to work until the situation is rectified. The Health and Safety Officer may order an evacuation of the work party.

The Health and Safety Officer's primary responsibility in the event of an accident will be evacuation, first aid, and decontamination of injured team members. The Health and Safety Officer will determine safe evacuation areas and begin first aid.

V EMERGENCY PROCEDURES

A. Response to Emergency

In case of an injury, the Health and Safety Officer will use the appropriate first aid and contact off-site medical help, if appropriate. The Health and Safety Officer/Project Manager will be notified. The telephone number for the Health and Safety Officer is (415) 268-0461. If medical evacuation to a hospital is required, the route shown on Plate 2 will be followed.

B. Emergency Contacts

Ambulance, Fire, Police: 911

Hospital - Peralta Hospital
450 30th Street
Oakland, California
(415) 451-4900

Chemical Spills: National Response Center (24 hours)
(800) 424-9300

Chemtrec: Chemical Releases (24 hours)
(800) 424-9300

Environmental Protection Agency
Emergency Response Section:
(415) 974-7511

Poison Control Center (24 hours)
(415) 428-3248

Cal-OSHA District Office:
Occupational Injuries
(415) 557-1677

Regional Water Quality Control Board:
(415) 464-1255

C. Acute Exposure Symptoms and First Aid

<u>Exposure Route</u>	<u>Symptoms</u>	<u>First Aid</u>
Skin	Dermatitis	Wash immediately with soap and water, contact ambulance if evacuation is necessary
Eye	Irritated Eyes	Flush eyes with water, contact ambulance
Inhalation	Vertigo, tremor	Move person to fresh air, cover source of chemicals
Ingestion	Nausea, vomiting	Call Poison Control Center

D. Contingency Plan

The following procedures will be used in case of an unpredictable event:

- Fire: Use fire extinguisher if localized and call the fire department if uncontrolled
- Chemical Exposure: Follow first aid treatment specified previously
- Physical Injury: Provide first aid treatment and contact ambulance for evacuation, if appropriate

List of Attachment:

Plate 2

Hospital/Emergency Room Route Plan

SOC:JPB:clh



SCALE 1:24000



----- HOSPITAL ROUTE

REFERENCE:

OAKLAND WEST, USGS TOPOGRAPHIC MAP
7.5' QUADRANGLE, 1959, PHOTO REVISED
1980.

HOSPITAL/EMERGENCY ROOM ROUTE PLAN		
MLK JR. WAY & 14th STREET, OAKLAND, CA		PLATE
JOB NUMBER 430.002	DATE 9-1-88	2
		APPROVED

Subsurface Consultants

CITY OF OAKLAND
FIRE MARSHAL'S OFFICE
ROOM 201, CITY HALL
OAKLAND, CALIFORNIA 94612
273-3851

Permit No.	_____
Copies to	_____
Date Issued	_____

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS

IN THE CITY OF OAKLAND

Date August 25, 1989

Application is hereby made for permit to ~~install~~ ^{remove} ~~repair~~ ^{gasoline} ~~fuel oil~~ tank and excavate, commencing ~~four feet inside the curb line~~ ^{outside property line} ~~inside the property line~~

on the West side of Jefferson ~~St.~~ ^{St.} 26 to 70 feet North of 13th ~~St.~~ ^{St.}

House No. _____ Street near the NW corner of 13th/Jefferson Present storage oil, water, gasoline

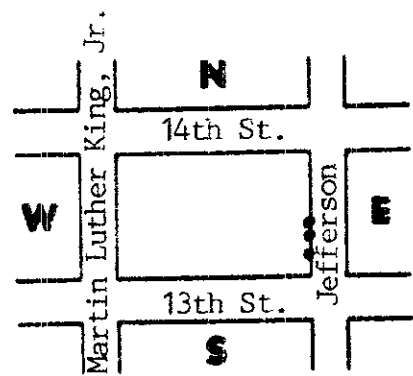
Owner City of Oakland Address 1417 Clay St., 2nd Floor Phone (415)273-3692

Applicant Subsurface Consultants, Inc. Address 171 12th St., Ste 201 Phone (415)268-0461
Oakland, CA 94607

Remarks _____

Sidewalk surface to be disturbed Yes Number of Tanks 3 Capacity 1750, Gallons each
650,
275

Signature *Jimmie P. Burman*



SEE ATTACHED SKETCH FOR LOCATION



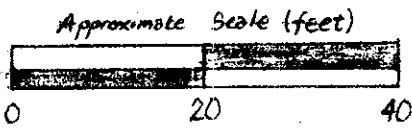
1750 gal.
Waste oil
18" below grade (bg)

625 gal.
Unknown
3' bg.

275 gal. 3' bg
gasoline

JEFFERSON STREET

13th STREET



SITE PLAN

Subsurface Consultants

JOB NUMBER
430.005

DATE
8/25/89

APPROVED
CF

PLATE

November 30, 1988
SCI 430.005



Mr. John Esposito
Bramalea Pacific, Ltd.
1221 Broadway, Suite 1800
Oakland, California 94612

Acid Soil Conditions in Soils
Near Basement Floor Drain Inlet
Block Bounded by Martin Luther King, Jr. Way,
Jefferson, 13th and 14th Streets
Oakland, California

Dear Mr. Esposito,

This letter records the results of further investigation of acid soil conditions that were revealed during a preliminary environmental assessment of the referenced block. The results of the preliminary assessment were recorded in a report dated September 14, 1988. The location of the site is shown on the attached Plate 1.

During previous studies, it was noted that the concrete floor in the basement of an existing structure on the property was etched by what is suspected to have been acid. The floor was etched over a distance of approximately 10 to 12 feet. The etching suggested that acids had previously flowed across the floor and into a floor drain inlet.

Soil samples were obtained adjacent to the inlet, below the floor slab. pH tests performed on the samples indicated slightly acetic soils at a depth of approximately 2.0 feet. Additional analyses for heavy metals (CAM 17), volatile organic chemicals (EPA 8240), and acid/base/neutral organic chemicals (EPA 8270) did not reveal the presence of any of these compounds above detectable concentrations. Because of the presence of acidic soils, SCI recommended that additional studies be conducted to further evaluate the possibility of soil contamination requiring remediation.

■ Subsurface Consultants, Inc.

Mr. John Esposito
Acid Soil/Block
SCI 430.005
November 30, 1988
Page 2

A test boring was subsequently drilled at the location of previous soil sampling operations. The location of the boring is shown on the attached Plate 1. The boring was drilled with a portable "Minuteman" drill rig equipped with 3-inch-diameter augers. Drilling operations were observed by a member of our engineering/geologic staff. A log of the boring is presented on Plate 2. Soils are classified in accordance with the Unified Soil Classification System described on Plate 3. Soil samples were obtained using a California sampler having an outside diameter of 2.5 inches and inside diameter of 2.0 inches. The ends of the sample liners were covered with Teflon sheeting, capped, and subsequently sealed with plastic tape. The samples were refrigerated on-site in ice chests and remained refrigerated until analyzed. All drilling and sampling equipment was thoroughly steam-cleaned to reduce the likelihood of cross contamination between borings.

The test boring encountered dense, naturally deposited clayey sands to the depth explored, 11.5 feet below the basement floor slab. Groundwater was not encountered within the depth explored.

These were done in-house by Subsurface Consultants

Hydrogen ion concentration (pH) tests were performed on selected samples. The analytical results are presented below. For completeness, we have included the analytical results developed during previous studies (Boring 23).

<u>Boring</u>	<u>Sample Depth (feet)</u>	<u>pH</u>
23	2.0	5.1
36	2.5	6.09
36	4.5	6.16
36	6.5	6.59
36	8.5	6.81
36	10.5	6.88

Conclusions

The analytical results indicate that slightly acidic soil conditions exist below the drain inlet, suggesting that acid likely leaked from the floor drain in the past. However, the

Mr. John Esposito
Acid Soil/Block
SCI 430.005
November 30, 1988
Page 3

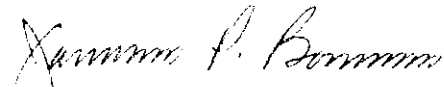
analytical results indicate that the soil rapidly approaches a neutral pH of 7 with depth, implying that the quantity of acid discharged was likely small. Because (1) the severity of the problem appears to be very minor and of limited extent, (2) no other chemicals were detected in the soils, and (3) the source of the acid has been removed, we conclude that conditions in the area do not constitute a problem requiring remediation nor further investigation.

We suggest that a copy of this letter be submitted to the Alameda County Health Care Agency for their review and concurrence with our conclusions.

If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.

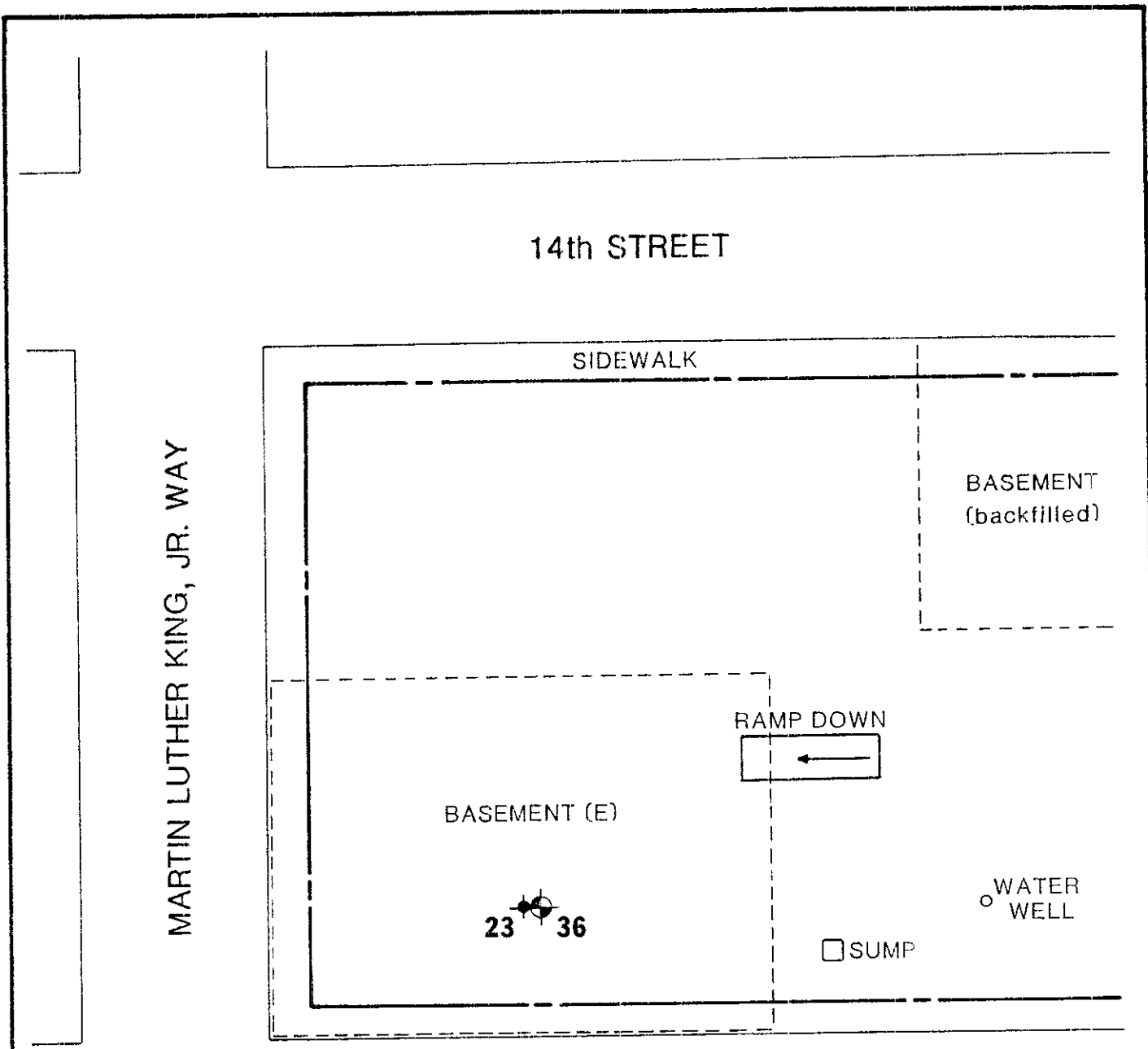


James P. Bowers
Geotechnical Engineer 157 (expires 3/31/91)

JPB:RWR:clh

Attachments: Plate 1 - Site Plan
 Plate 2 - Log of Boring 36
 Plate 3 - Unified Soil Classification System

cc: Ms. Lois Parr, City of Oakland
 Mr. Donnell Choy, City of Oakland
 Mr. Tim Brown, Crosby, Heafey, Roach & May
 ✓Ms. Katherine Chesick, Alameda County



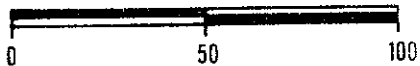
Reference North



True North



APPROXIMATE SCALE (feet)



	TEST BORING
	TEST BORING (previous study)

SITE PLAN

Subsurface Consultants

ACID SOIL STUDY - OAKLAND, CA

JOB NUMBER

430.005

DATE

11/29/88

APPROVED

A handwritten signature in black ink.

PLATE

1

LOG OF TEST BORING 36

EQUIPMENT 3" Solid Flight Auger

DATE DRILLED 10/12/88

ELEVATION --

LABORATORY TESTS

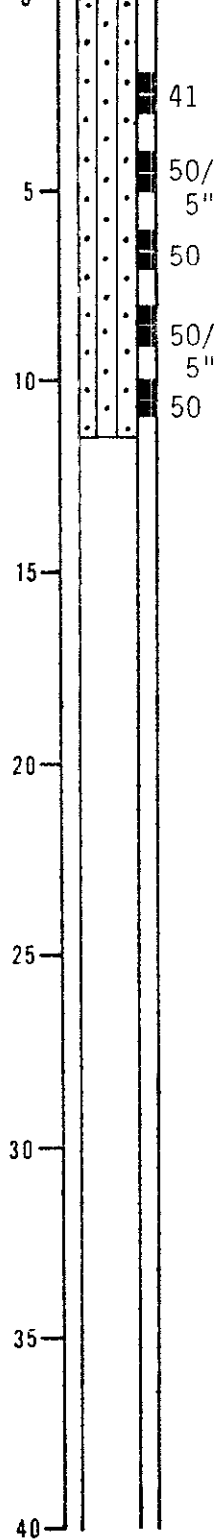
MOISTURE
CONTENT
%

DRY
DENSITY
(PCF)

DEPTH
(FT)

SAMPLE

BLOWS
PER
FOOT



BROWN SILTY SAND (SM-SP)
very dense, moist

GROUNDWATER NOT ENCOUNTERED
DURING DRILLING

Subsurface Consultants

ACID SOIL STUDY - OAKLAND, CA

PLATE

JOB NUMBER
430.005

DATE
10/18/88

APPROVED

2

GENERAL SOIL CATEGORIES		SYMBOLS	TYPICAL SOIL TYPES
COARSE GRAINED SOILS More than half is larger than No. 200 sieve	GRAVEL More than half coarse fraction is larger than No. 4 sieve size	GW GP GM GC	Well Graded Gravel, Gravel-Sand Mixtures Poorly Graded Gravel, Gravel-Sand Mixtures Silty Gravel, Poorly Graded Gravel-Sand-Silt Mixtures Clayey Gravel, Poorly Graded Gravel-Sand-Clay Mixtures
	SAND More than half coarse fraction is smaller than No. 4 sieve size	SW SP SM SC	Well Graded Sand, Gravelly Sand Poorly Graded Sand, Gravelly Sand Silty Sand, Poorly Graded Sand-Silt Mixtures Clayey Sand, Poorly Graded Sand-Clay Mixtures
	SILT AND CLAY Liquid Limit Less than 50%	ML CL OL	Inorganic Silt and Very Fine Sand, Rock Flour, Silty or Clayey Fine Sand, or Clayey Silt with Slight Plasticity Inorganic Clay of Low to Medium Plasticity, Gravelly Clay, Sandy Clay, Silty Clay, Lean Clay Organic Clay and Organic Silty Clay of Low Plasticity
	SILT AND CLAY Liquid Limit Greater than 50%	MH CH OH	Inorganic Silt, Micaceous or Diatomaceous Fine Sandy or Silty Soils, Elastic Silt Inorganic Clay of High Plasticity, Fat Clay Organic Clay of Medium to High Plasticity, Organic Silt
	HIGHLY ORGANIC SOILS	PT	Peat and Other Highly Organic Soils

UNIFIED SOIL CLASSIFICATION SYSTEM

Subsurface Consultants

ACID SOIL STUDY - OAKLAND, CA

JOB NUMBER
430.005

DATE
11/29/88

APPROVED

PLATE

3

James P. Bowers, PE
R. William Rudolph, Jr., PE

RECEIVED
DEC 19 1988
HAZARDOUS MATERIALS/
WASTE PROGRAM

LETTER OF TRANSMITTAL

TO: Ms. Katherine Chesick
Alameda County Health Agency
Hazardous Materials Division
80 Swan Way, Suite #200
Oakland, CA 94621

DATE: December 16, 1988
PROJECT: Prelim. Environmental Assessment: City of Oakland Property
SCI JOB NUMBER: 430.004

WE ARE SENDING YOU:

- 1 copies
- | | |
|--|--|
| <input checked="" type="checkbox"/> of our final report | <input checked="" type="checkbox"/> if you have any questions, please call |
| <input type="checkbox"/> a draft of our report | <input type="checkbox"/> for your review and comment |
| <input type="checkbox"/> a Service Agreement | <input type="checkbox"/> please return an executed copy |
| <input type="checkbox"/> a proposed scope of services | <input type="checkbox"/> for geotechnical services |
| <input type="checkbox"/> specifications | <input type="checkbox"/> with our comments |
| <input type="checkbox"/> grading/foundation plans | <input type="checkbox"/> with Chain of Custody documents |
| <input type="checkbox"/> soil samples/groundwater samples | <input checked="" type="checkbox"/> for your use |
| <input type="checkbox"/> an executed contract | |
| <input checked="" type="checkbox"/> Letter dated Nov. 30, 1988 | |

REMARKS: Katherine - Enclosed is our report recording the results of our preliminary environmental assessment for the block bounded by Martin Luther King, Jr. Way, and Jefferson, 13th and 14th Street. I realized just the other day that I had not forwarded a copy to you. A proposed remediation plan for the PNA problem will be submitted to you shortly.

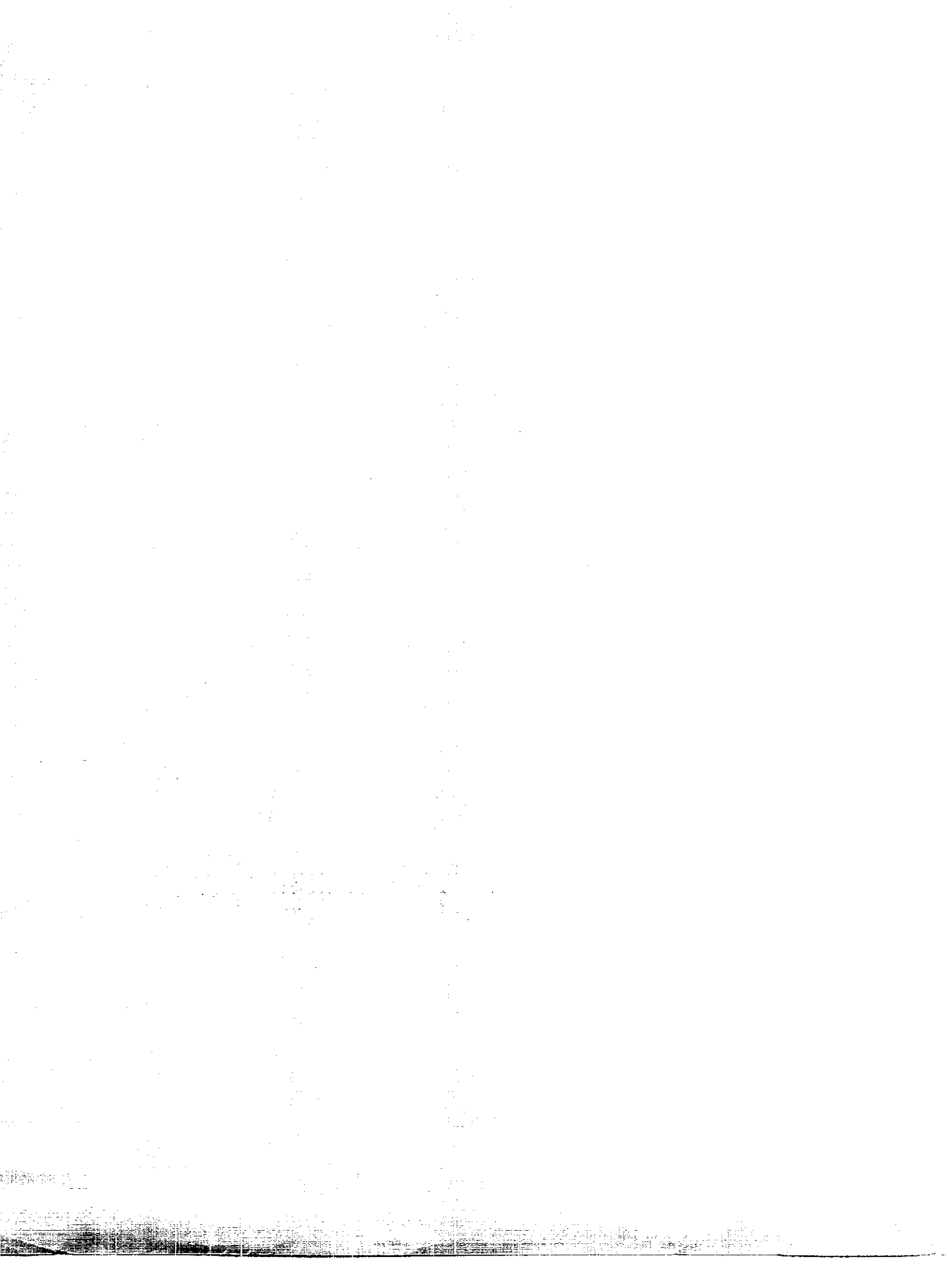
COPIES TO:

Ms. Lois Parr, City of Oakland (transmittal only)
Mr. John Esposito, Bramea Pacific (transmittal only)

BY: James P. Bowers
James P. Bowers

Subsurface Consultants, Inc.

171 12th Street • Suite 201 • Oakland, California 94607 • Telephone 415-268-0461



May 12, 1989
SCI 430.005

Ms. Katherine Chesick
Alameda County Health Care Agency
Division of Hazardous Materials
80 Swan Way, #200
Oakland, California 94612

Remediation Plan
Lead and PNA Contaminated Soil,
and Sump Removal
13th and Jefferson Streets
Oakland, California

Dear Ms. Chesick,

This letter transmits a request by the City of Oakland to initiate remediation of (1) PNA and lead soil contamination and (2) a concrete sump containing oily wastes, at the referenced address. The source of soil contamination is believed to be fire related debris, resulting from the Metropole Hotel fire, which occurred at the site in 1918. The soil contaminants consists of polynuclear aromatic hydrocarbons (PNAs) and lead. Based upon available data, the lateral extent of soil contamination is shown on the attached Site Plan (Plate 1). The contaminated soils extend approxiamtely 3 feet beneath the groundsurface. Based upon analyses performed by others, the oily sludge in the sump contains elevated concentrations of several heavy metals, polychlorinated biphenyls (PCBs), petroleum hydrocarbons, methylene chloride and xylenes. Subsurface Consultants, Inc. (SCI) investigated the soil and sump problems and recorded the results in a reported dated January 16, 1989. A copy of the report was submitted to you.

Site soil remediation will consist of removing the concrete slab which covers the area, excavating the contaminated soils and disposing of them in a Class I hazardous waste landfill, and backfilling the excavation with clean fill. The concrete slab will be disposed of as a non-contaminated material. The concrete sump and its contents will also be removed, as well as any contaminated soils near the sump, though none have been encountered to date. The sump's location is shown on Plate 1.

■ Subsurface Consultants, Inc.

Ms. Katherine Chesick
13th-Jefferson/Remediation Plan
SCI 430.005
May 11, 1989
Page 2

Soil samples will be obtained from the bottom and sides of the excavations and analyzed by a state certified analytical laboratory for PNAs (EPA 8100) and lead (EPA 7042) to check that the contaminated soils have been adequately removed. The soils exposed by sump removal will be sampled and analyzed for total petroleum hydrocarbons, oil and grease, volatile organic compounds (EPA 8240), PCBs (EPA 8080) and heavy metals (CAM 17). The location and number of analyses will be negotiated with you.

EPA Ref
7420

Pertinent project information is as follows:

A. Property Owner

City of Oakland
Office of Economic Development & Employment
1417 Clay Street
Oakland, California 94612

B. Company Overseeing Remediation (Consultant)

Subsurface Consultants, Inc.
171 12th Street, Suite 201
Oakland, California 94607

C. Company Performing the Work (Contractor)

Contractor has not been selected yet; the bidding process is currently underway. Contractor details will be submitted as soon as the selection process is complete.

D. Location of Excavation

13th and Jefferson Streets, northwest corner of intersection
Oakland, California

E. Analytical Laboratory

Curtis & Tompkins, Ltd.
2323 5th Street
Berkeley, California 94710

Contact: Mr. Stephen L. Jensen
(415) 486-0900
Hazardous Waste Testing Laboratory
Certificate No.: 159



Ms. Katherine Chesick
13th-Jefferson/Remediation Plan
SCI 430.005
May 11, 1989
Page 3

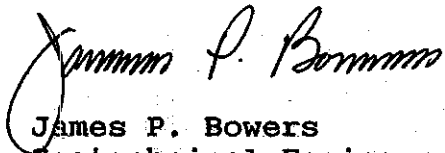
F. Miscellaneous

1. Hazardous Waste Manifests will be completed and accompany transport of waste materials taken off-site to a disposal facility.
2. Chain-of-Custody forms will be used to document all sample transfers from the site to the analytical laboratory.
3. A closure report will be submitted to you Describing remediation activities, and presenting sample analysis results. Copies of laboratory reports and Chain-of-Custody records will be included in the report.

If you have questions regarding our proposed remediation plan, please call.

Yours very truly,

Subsurface Consultants, Inc.



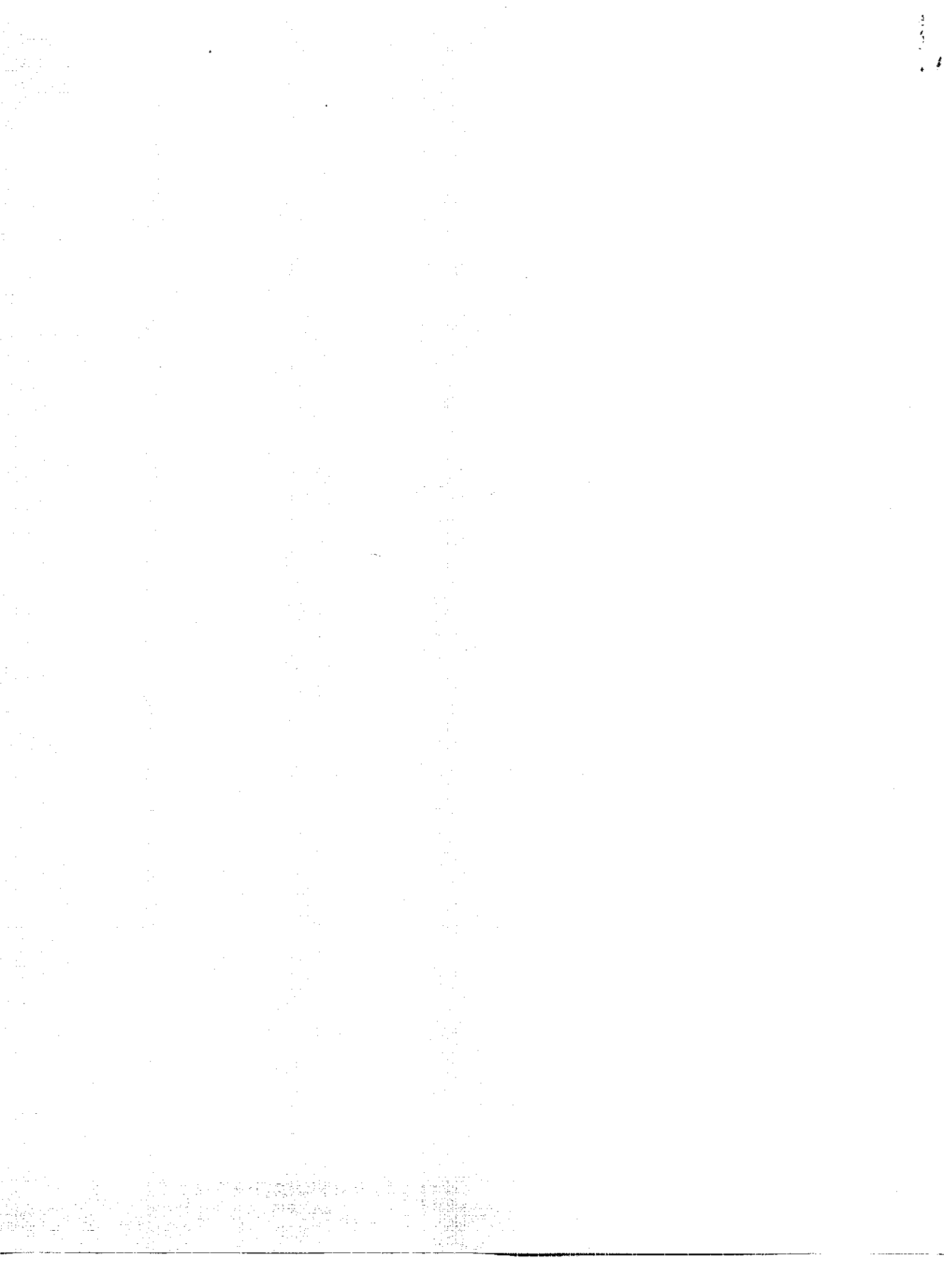
James P. Bowers
Geotechnical Engineer 157 (expires 3/31/91)

SOC:JPB:clh

Attachments: Plate 1 - Site Plan



2 copies enclosed

cc: (1) Mr. John Esposito Bramalea Pacific 1221 Broadway, Suite 1800 Oakland, CA 94612	(1) Mr. Donnell Choy City of Oakland One City Hall Plaza Oakland, CA 94612
(1) Ms. Lois Parr City of Oakland Office of Economic Development & Employment 1417 Clay Street Oakland, CA 94612	(1) Mr. Tim Brown Crosby, Heafey, Roach & May 1999 Harrison Oakland, CA 94612






VICINITY MAP

-  APPROXIMATE AREA OF LEAD AND PNA CONTAMINATION
-  AREA TO BE USED FOR THE TEMPORARY STOCKPILING OF CONTAMINATED SOILS

This area will be clear before PNA & lead soil is excavated (the fuel contam. soil will be completed by then)

SITE PLAN

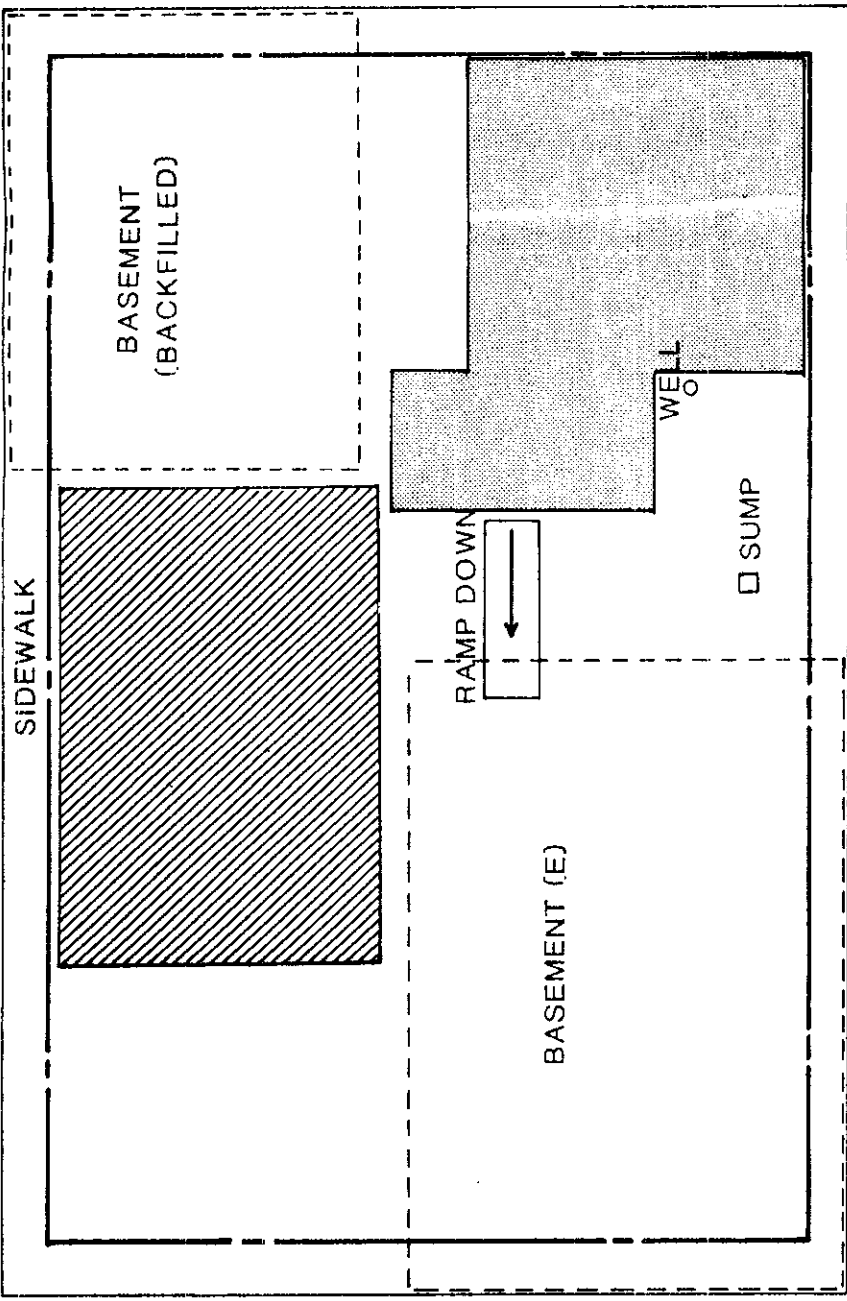
13th & JEFFERSON ST. - OAKLAND, CA
 JOB NUMBER 430.005
 DATE 10/4/88
 APPROVED 
 PLATE 1

Subsurface Consultants

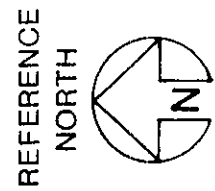
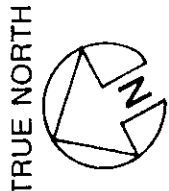
14th STREET

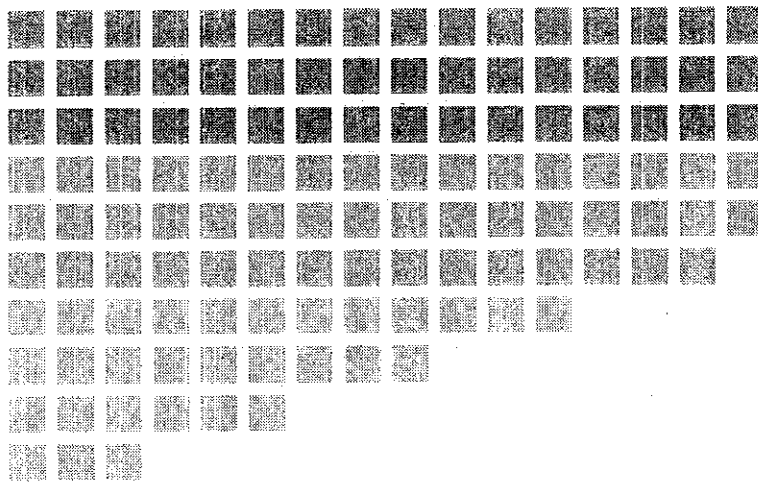
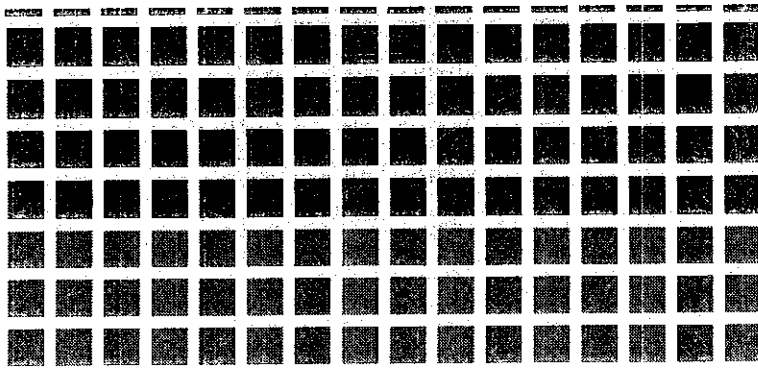
JEFFERSON STREET

13th STREET



MARTIN LUTHER KING, JR. WAY





11-1-89

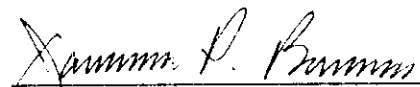
■ Subsurface Consultants, Inc.

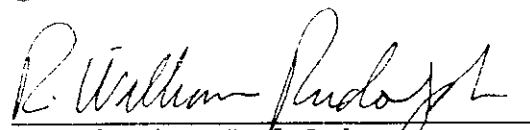
**CLOSURE REPORT
PNA AND LEAD CONTAMINATED
SOIL REMEDIATION
13TH AND JEFFERSON STREETS
OAKLAND, CALIFORNIA
SCI 430.005**

Prepared for:

Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, California 94612

By:


James P. Bowers
Geotechnical Engineer 157 (expires 3/31/91)


R. William Rudolph
Geotechnical Engineer 741 (expires 12/31/92)

Subsurface Consultants, Inc.
171 12th Street, Suite 201
Oakland, California 94607
(415) 268-0461

November 1, 1989



11/8/89

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

LETTER OF TRANSMITTAL

TO: Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, California 94612

DATE: November 1, 1989
PROJECT: 13th & Jefferson Streets/Closure Report/ PNA & Lead
SCI JOB NUMBER: 430.005

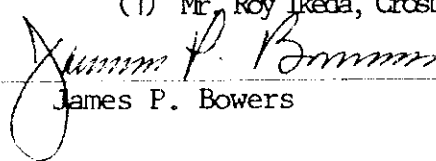
WE ARE SENDING YOU:

- 2 copies
- of our final report
- a draft of our report
- a Service Agreement
- a proposed scope of services
- specifications
- grading/foundation plans
- soil samples/groundwater samples
- an executed contract

- if you have any questions, please call
- for your review and comment
- please return an executed copy
- for geotechnical services
- with our comments
- with Chain of Custody documents
- for your use

REMARKS:

- COPIES TO:
- (2) Ms. Lois Parr, City of Oakland, Office of Economic Development & Employment
1417 Clay Street, Oakland, CA 94612
 - (1) Ms. Katherine Chesick, Alameda County Health Care Services Agency, 80 Swan Way, #200,
Oakland, California 94612
 - (1) Mr. Lester Feldman, Regional Water Quality Control Board, 1800 Harrison Street,
7th Floor, Oakland, CA 94612
 - (1) Mr. Donnell Choy, City of Oakland, One City Hall Plaza, Oakland, CA 94612
 - (1) Mr. Roy Ikeda, Crosby, Heafey, Roach & May, 1999 Harrison Street, Oakland, CA 94612

BY: 
James P. Bowers

■ Subsurface Consultants, Inc.

I INTRODUCTION

This report records the results of remediation activities for PNA and lead contaminated soil near the intersection of 13th and Jefferson Streets in Oakland, California. Subsurface Consultants, Inc. (SCI) performed an investigation of the site and presented the results in a report dated January 16, 1989. SCI subsequently developed a remediation plan for the project.

The investigation revealed that polynuclear aromatic hydrocarbons (PNA's) and lead were present in fill on the property. The contamination was limited to the upper 4 to 5 feet of soil in the area shown on the Site Plan, Plate 1. Approximately 2384 tons of contaminated soil were removed and disposed of at a Class 1 hazardous waste landfill. Following excavation, analyses were performed on the exposed soils to check that the contaminated soils had been removed.

Site remediation and sampling were performed under the observation of the Alameda County Health Care Services Agency (ACHCSA).

II EXCAVATION

Excavation was performed by Hazardous Substance Removal, Inc. (HSR), a California state licensed contractor. Contaminated soil was excavated using a track-mounted loader and an excavator. The contamination area boundary was initially defined by our investigation, then further refined during remediation. The contaminated soils were visually recognizable by their gray or black ashy appearance. Excavation proceeded until the underlying native soils were encountered.

The excavation was expanded until analytical test results indicated that the PNA contaminated materials had been removed. The limits of excavation are shown on Plate 1. Trace or background levels of lead, i.e., less than 23 ppm, remained in the soils beyond the limits of excavation.

III WASTE TRANSPORTATION AND DISPOSAL

The contaminated soil was transported by STAMCO, a California registered hazardous waste trucking company. All loads were manifested and transported to United States Pollution Control, Inc. (USPCI) in Knolls, Utah, an EPA registered Class 1 hazardous waste disposal facility. A total of 2384.40 tons of waste were transported to USPCI. Copies of the manifests are presented in the Appendix.

IV SAMPLING PROCEDURES

Soil samples from the bottom and sides of the excavation were obtained using the following procedures:

Approximately 3 inches of soil were removed from the exposed surface and a new brass sample liner was driven into the soil with a rubber mallet. The liner was removed and the ends were covered with Teflon sheeting, capped, wrapped with tape and labelled. The samples were promptly placed in an ice-filled cooler and transported to the analytical laboratory.

Chain-of-custody records accompanied all samples; copies of them are presented in the Appendix. Sampling locations are shown on Plate 1. The sampling was observed by Ms. Katherine Chesick of the Alameda County Health Care Services Agency, Division of Hazardous Materials (ACHCSA).

V ANALYTICAL TESTING

Analytical testing was performed by Curtis & Tompkins, Ltd., a California Department of Health Services (DHS) certified laboratory. The tests included:

1. Polynuclear aromatic hydrocarbons (PNA's); sample preparation using EPA Method 3550 (sonication extraction) and analysis using EPA Method 8100 (gas chromatograph coupled with a flame ionization detector), and
2. Total lead in accordance with, EPA Method 7420.

Analytical test results are summarized in the following table. Laboratory test reports are presented in the Appendix.

Table 1. SUMMARY OF TOTAL PNA AND LEAD CONCENTRATIONS IN SOIL

<u>Sample Designation</u>	<u>Total PNA Concentrations (ppm)¹</u>	<u>Total Lead Concentrations (ppm)</u>
CB-1	ND ²	ND
CB-2	ND	ND
CB-3	ND	2.9
CB-4	ND	4.4
CB-5	ND	5.0
CB-6	ND	9.1
CW-1	ND	61
CW-2	ND	2.9
CW-3	ND	4.5
CW-4	ND	6.8
CW-6	ND	7.2
CW-8	ND	16
CW-10	ND	5.3
CW-12 ⁴	ND	4.6
CW-13	ND	5.6
CW-14	ND	4.4
CW-15	ND	4.5
CW-16	ND	23
CW-5	4050 ³	13
CW-7	2800 ³	6.0
CW-9	1720 ³	260
CW-11	8320 ³	130

¹ ppm = mg/kg = parts per million

² ND = none detected

³ The excavation was expanded to remove these materials

⁴ Results in bold type are those taken along the sides and bottom of the final excavation

VI CONCLUSIONS

Based upon our observations and analytical test results, we conclude that the remediation work was completed in accordance with the requirements of the ACHCSA and the project plans and specifications. The PNA and lead contaminated soils were removed and disposed of at a Class 1 hazardous waste landfill.

List of Attachments

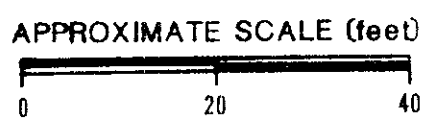
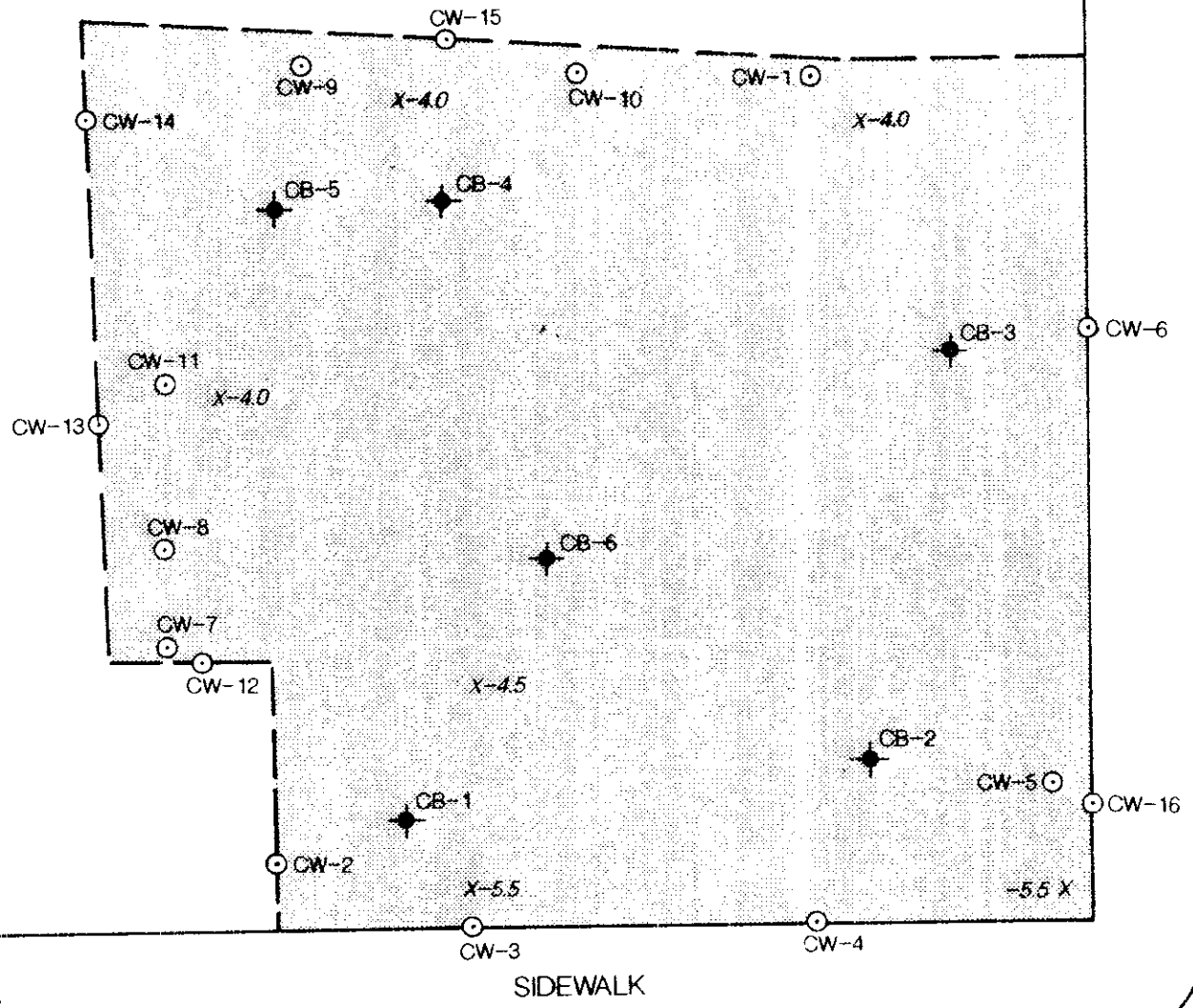
Plate 1	Site Plan
Appendix	Laboratory Test Reports Chain-of-Custody Records Hazardous Waste Manifests

Distribution

2 copies:	Mr. John Esposito Bramalea Pacific 1221 Broadway, Suite 1800 Oakland, California 94612
2 copies:	Ms. Lois Parr City of Oakland Office of Economic Development and Employment 1417 Clay Street Oakland, California 94612
1 copy:	Ms. Katherine Chesick Alameda County Health Care Services Agency 80 Swan Way, #200 Oakland, California 94612
1 copy:	Mr. Lester Feldman Regional Water Quality Control Board 1800 Harrison Street, 7th Floor Oakland, California 94612
1 copy:	Mr. Donnell Choy City of Oakland One City Hall Plaza Oakland, California 94612
1 copy:	Mr. Roy Ikeda Crosby, Heafey, Roach & May 1999 Harrison Street Oakland, California 94612

SOC:JPB:RWR:mb1:clh

◆ BOTTOM SAMPLE
 ○ WALL SAMPLE
 □ EXTENT OF EXCAVATION
 X DEPTH BELOW SIDEWALK (feet)



SITE PLAN

Subsurface Consultants

13TH & JEFFERSON, OAKLAND, CA

JOB NUMBER 430.005	DATE 10/23/89	APPROVED
-----------------------	------------------	--------------

PLATE
1



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA, 94710. Phone (415) 486-0100

RECEIVED

AUG 24 1989
AM
7 18 30 10 12 3 14 9 1 5 6
PM

DATE RECEIVED: 08/18/89
DATE REPORTED: 08/23/89
PAGE 1 OF 19

LAB NUMBER: 18072

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 17 SOIL SAMPLES

JOB #: 430.005
LOCATION: JEFFERSON ST.

RESULTS: SEE ATTACHED

Jim Wong for CBG

Laboratory Director

LABORATORY NUMBER: 18072
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT #: 430.005
 LOCATION: JEFFERSON ST.

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/21/89
 DATE REPORTED: 08/23/89
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=====
 ANALYSIS: TOTAL LEAD
 METHOD REFERENCE: EPA 7420
 =====

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
18072-1	CB-1	ND	mg/Kg	2.5
18072-2	CB-2	ND	mg/Kg	2.5
18072-3	CB-3	2.9	mg/Kg	2.5
18072-4	CW-1	61	mg/Kg	2.5
18072-5	CW-2	2.9	mg/Kg	2.5
18072-6	CW-3	4.5	mg/Kg	2.5
18072-7	CW-4	6.8	mg/Kg	2.5
18072-8	CW-5	13	mg/Kg	2.5
18072-9	CW-6	7.2	mg/Kg	2.5
18072-10	CB-4	4.4	mg/Kg	2.5
18072-11	CB-5	5.0	mg/Kg	2.5
18072-12	CB-6	9.1	mg/Kg	2.5
18072-13	CW-7	6.0	mg/Kg	2.5
18072-14	CW-8	16	mg/Kg	2.5
18072-15	CW-9	260	mg/Kg	2.5
18072-16	CW-10	5.3	mg/Kg	2.5
18072-17	CW-11	130	mg/Kg	2.5

ND = NOT DETECTED.

QA/QC:

=====
 RPD, % 4
 RECOVERY, % 100
 =====

LABORATORY NUMBER: 18072-1
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CB-1

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-2
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CB-2

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/21/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-3
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CB-3

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/21/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-4
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-1

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-5
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-2

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85



LABORATORY NUMBER: 18072-6
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 430.005/JEFFERSON ST.
SAMPLE ID: CW-3

DATE RECEIVED: 08/18/89
DATE ANALYZED: 08/22/89
DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-7
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-4

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-8
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-5

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	TRACE	330
Pyrene	400	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	700	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	620	330
Indeno(1,2,3-cd)pyrene	930	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	1,400	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-9
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-6

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-10
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CB-4

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/22/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-11
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CB-5

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-12
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CB-6

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/21/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-13
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-7

DATE RECEIVED: 08/18/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	TRACE	330
Anthracene	ND	330
Fluoranthene	400	330
Pyrene	680	330
Benzo(a)anthracene	ND	330
Chrysene	TRACE	330
Benzo(b)fluoranthene	580	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	400	330
Indeno(1,2,3-cd)pyrene	350	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	390	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-14
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-8

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/22/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-15
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-9

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/22/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	TRACE	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	450	330
Anthracene	ND	330
Fluoranthene	360	330
Pyrene	570	330
Benzo(a)anthracene	ND	330
Chrysene	TRACE	330
Benzo(b)fluoranthene	TRACE	330
Benzo(k)fluoranthene	TRACE	330
Benzo(a)pyrene	TRACE	330
Indeno(1,2,3-cd)pyrene	TRACE	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	340	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-16
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-10

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/22/89
 DATE REPORTED: 08/23/89
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EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85

LABORATORY NUMBER: 18072-17
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005/JEFFERSON ST.
 SAMPLE ID: CW-11

DATE RECEIVED: 08/18/89
 DATE ANALYZED: 08/22/89
 DATE REPORTED: 08/23/89
 PAGE 19 OF 19

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	630	330
Anthracene	ND	330
Fluoranthene	920	330
Pyrene	1,600	330
Benzo(a)anthracene	ND	330
Chrysene	620	330
Benzo(b)fluoranthene	780	330
Benzo(k)fluoranthene	770	330
Benzo(a)pyrene	1,100	330
Indeno(1,2,3-cd)pyrene	800	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	1,100	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	85



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

RECEIVED

AUG 31 1989

AM 7:51 PM 8/29/89 12:04:56

DATE RECEIVED: 08/24/89
DATE REPORTED: 08/29/89
PAGE 1 OF 7

LAB NUMBER: 18110

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 5 SOIL SAMPLES

JOB #: 430.005
JOB NAME: JEFFERSON ST. PNA'S

RESULTS: SEE ATTACHED

Laboratory Director

LABORATORY NUMBER: 18110-1
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005
 JOB NAME: JEFFERSON ST. PNA's
 SAMPLE ID: CW-12

DATE RECEIVED: 08/24/89
 DATE ANALYZED: 08/25/89
 DATE REPORTED: 08/29/89
 PAGE 2 OF 7

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	80

LABORATORY NUMBER: 18110-2
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005
 JOB NAME: JEFFERSON ST. PNA's
 SAMPLE ID: CW-13

DATE RECEIVED: 08/24/89
 DATE ANALYZED: 08/25/89
 DATE REPORTED: 08/29/89
 PAGE 3 OF 7

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	80

LABORATORY NUMBER: 18110-3
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005
 JOB NAME: JEFFERSON ST. PNA's
 SAMPLE ID: CW-14

DATE RECEIVED: 08/24/89
 DATE ANALYZED: 08/25/89
 DATE REPORTED: 08/29/89
 PAGE 4 OF 7

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	80

LABORATORY NUMBER: 18110-4
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005
 JOB NAME: JEFFERSON ST. PNA's
 SAMPLE ID: CW-15

DATE RECEIVED: 08/24/89
 DATE ANALYZED: 08/25/89
 DATE REPORTED: 08/29/89
 PAGE 5 OF 7

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	80

LABORATORY NUMBER: 18110-5
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005
 JOB NAME: JEFFERSON ST. PNA's
 SAMPLE ID: CW-16

DATE RECEIVED: 08/24/89
 DATE ANALYZED: 08/25/89
 DATE REPORTED: 08/29/89
 PAGE 6 OF 7

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(ghi)perylene	ND	330

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Average Spike Recovery %	80

LABORATORY NUMBER: 18110
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.005
 JOB NAME: JEFFERSON ST. PNA's

DATE RECEIVED: 08/24/89
 DATE ANALYZED: 08/25/89
 DATE REPORTED: 08/29/89
 PAGE 7 OF 7

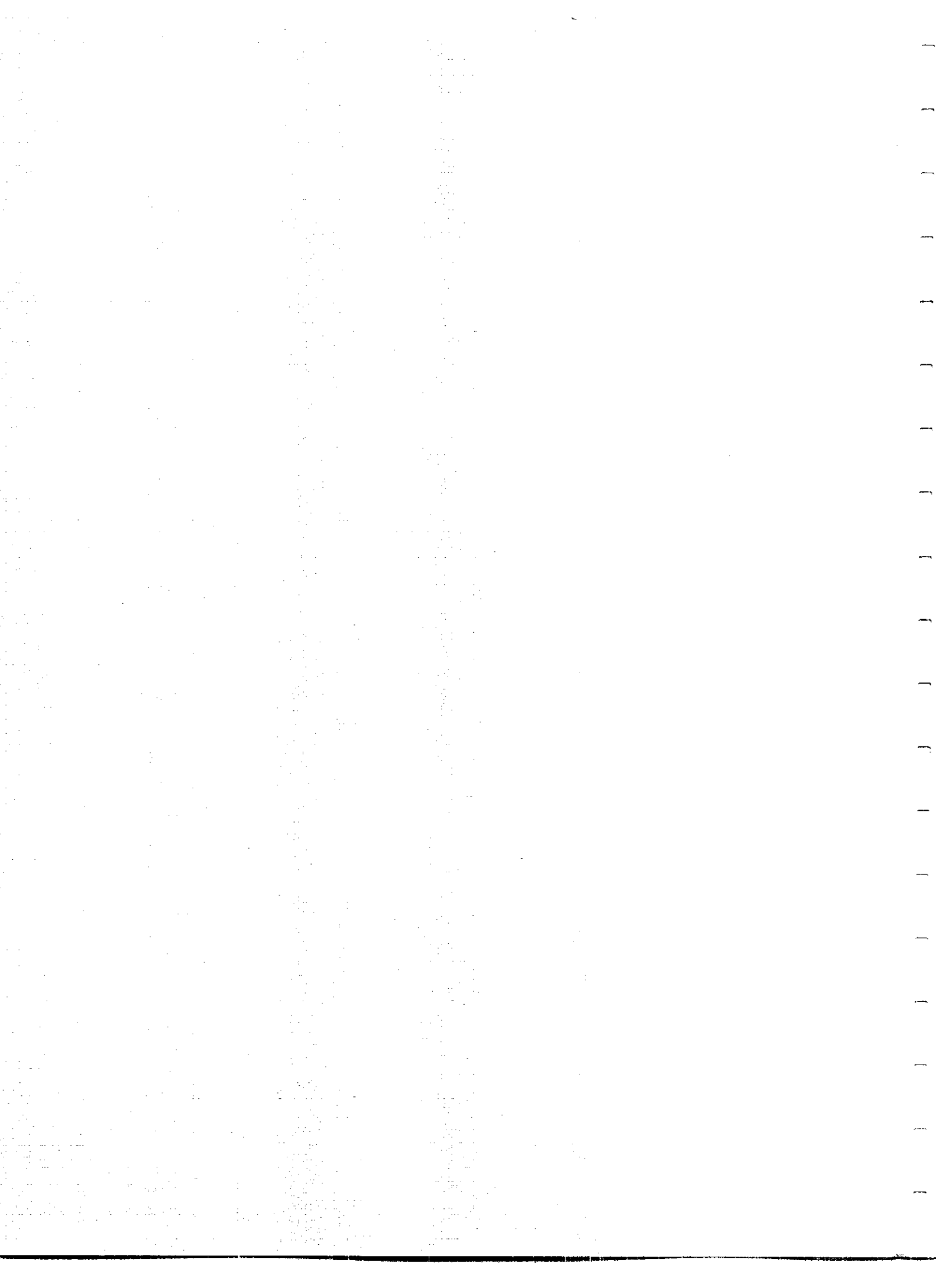
=====
 ANALYSIS: TOTAL LEAD
 METHOD REFERENCE: EPA 7420
 =====

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
18110-1	CW-12	4.6	mg/Kg	2.5
18110-2	CW-13	5.6	mg/Kg	2.5
18110-3	CW-14	4.4	mg/Kg	2.5
18110-4	CW-15	4.5	mg/Kg	2.5
18110-5	CW-16	23	mg/Kg	2.5

ND = NOT DETECTED.

QA/QC:

=====
 RECOVERY, % 100
 =====



Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: Jefferson St. PNA's
 SCI Job Number: 430.005
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: RAPID (24 HR)

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
CB-1	S	T	8-16-89			
CB-2						
CB-3						
CW-1					TOTAL LEAD	
CW-2					PNA's (EPA 8100)	
CW-3					ON ALL SAMPLES	
CW-4						
CW-5						
CW-6	↓	↓	↓			

* * * * *

Released by: Dennis Alexander Date: 8-18-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Money Worn Date: 8/18/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: Jefferson St. P.NA's
 SCI Job Number: 430.005
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: RAPID (24 HR)

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
CB-4	S	T	8-18-89		TOTAL LEAD = PNA'S (EPA 8100) ON ALL SAMPLES	
CB-5						
CB-6						
CW-7						
CW-8						
CW-9						
CW-10						
CW-11	↓	↓	↓			

* * * * *

Released by: Dennis Alexander Date: 8-18-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Weber Date: 8/18/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: Jefferson St. PNA
 SCI Job Number: 430.005
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs RAPID

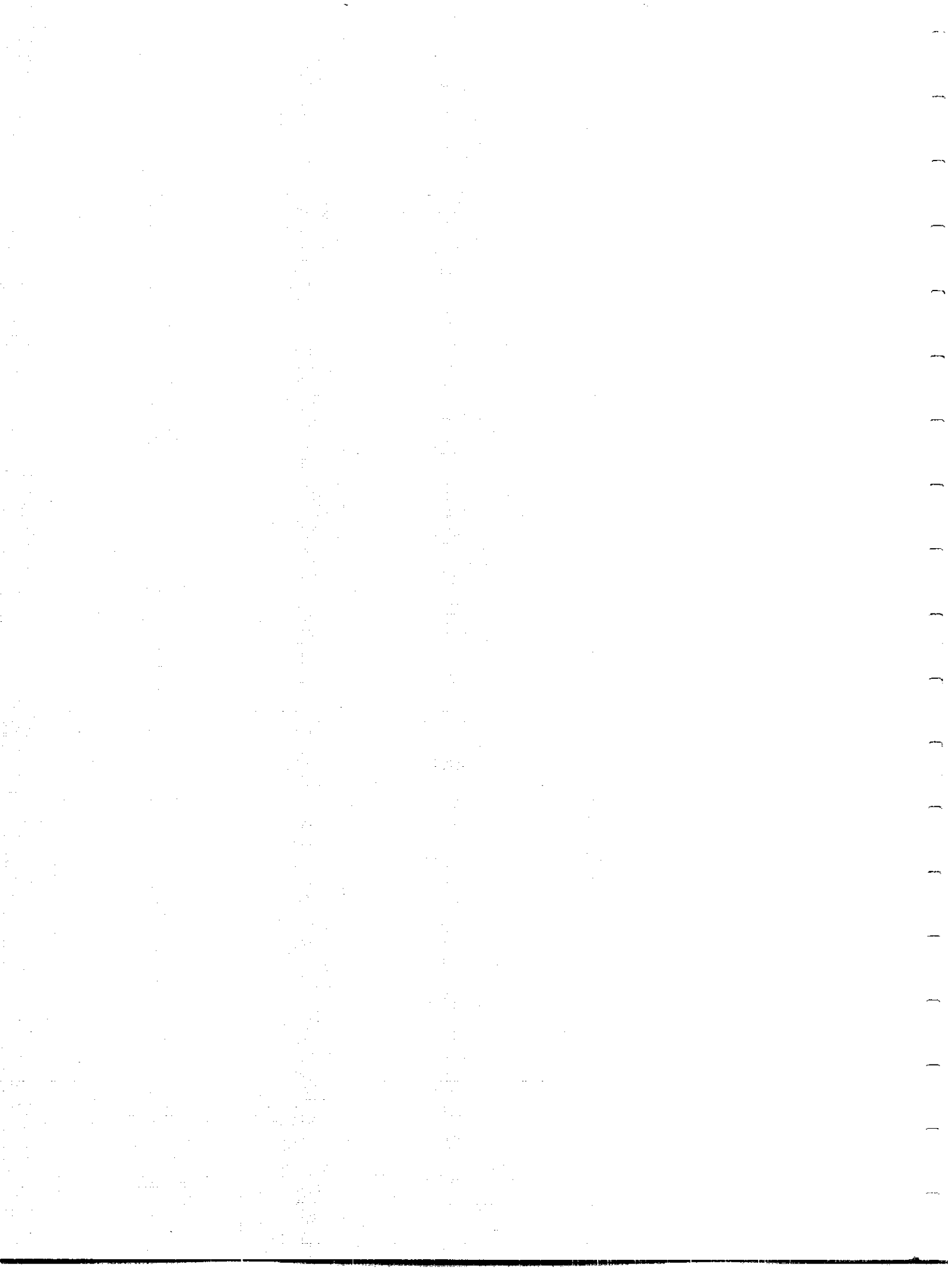
Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
CW-12	S	T	8-24-89			
CW-13	↓	↓	↓		PNA &	EPA 810c
CW-14	↓	↓	↓		Total lead	
CW-15	↓	↓	↓			for each of 5
CW-16	↓	↓	↓			samples

* * * * *

Released by: Dennis Alexander Date: 8-24-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Thomas J. [unclear] Date: 8/24/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461



Please print or type. (Form designed for use on elite (12-pitch typewriter).)

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

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C1A1C10101010191214151	Manifest Document No. 21111111	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland 1417 Clay Street, Oakland, CA 94612			A. State Manifest Document Number 89682868		
4. Generator's Phone 415-273-3697			B. State Generator's ID		
5. Transporter 1 Company Name Stanco		6. US EPA ID Number C1A1D101E13151417191916	C. State Transporter's ID 909720		
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone 800-759-4244		
9. Designated Facility Name and Site Address USPOI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, IN 44107		10. US EPA ID Number 10T1D1010113101171418	E. State Transporter's ID		
			F. Transporter's Phone		
			G. State Facility's ID		
			H. Facility's Phone 801-534-0054		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit WT/Vol	I. Waste No.
a. Hazardous Waste Solid NOS OR-E NA 9150					State 611 EPA/Other D006 State
b.					EPA/Other State
c.					EPA/Other State
d.					EPA/Other State
J. Additional Descriptions for Materials Listed Above Cal-89-1580 Lead Contaminated Soil			K. Handling Codes for Wastes Listed Above		
			a.		
			b.		
			c.		
			d.		
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit					
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 D. M. Williams		Signature <i>D. M. Williams</i>		Month Day Year 11/19/89	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
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

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

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.	
3. Generator's Name and Mailing Address City of Oakland EDSE 1417 Clay Street, Oakland, CA 94612			A. State Manifest Document Number 89682869		B. State Generator's ID	
4. Generator's Phone 415-275-3600			C. State Transporter's ID		D. Transporter's Phone 800-759-4211	
5. Transporter 1 Company Name Stamps			6. US EPA ID Number		E. State Transporter's ID	
7. Transporter 2 Company Name			8. US EPA ID Number		F. Transporter's Phone	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107			10. US EPA ID Number		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Hazardous Waste Solid AOC ORLE No. 9189			No.	Type		State 611 EPA/Other S100
b.						EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil			K. Handling Codes for Wastes Listed Above			
			a.		b.	
			c.		d.	
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit						
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	
Dennis [Signature]			[Signature]		01/27/89	
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month Day Year	
Printed/Typed Name			Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month Day Year	
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	

USE CALIFORNIA EMERGENCY OR, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN UNIFORM CALL 1-800-352-7500

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682870
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAIC1010101019 2161619 11311712		Manifest Document No. 11311712		2. Page 1 of 1		Information in the shaded area is not required by Federal law			
3. Generator's Name and Mailing Address City of Oakland EDSE 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89682870					
4. Generator's Phone 510 273-3600						B. State Generator's ID					
5. Transporter 1 Company Name Stanco			6. US EPA ID Number IC1AD10161316147101616			C. State Transporter's ID 000777					
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 800-759-4211					
9. Designated Facility Name and Site Address USPC1 Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107			10. US EPA ID Number U12D19191310171418			E. State Transporter's ID					
						F. Transporter's Phone					
						G. State Facility's ID					
						H. Facility's Phone 801 534-0054					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit	
						No. Type		Quantity		Wt/Vol	
a. Hazardous Waste Solid NOS ORCAE NL 9150						601/DIT 0199/13 Y				State 611 EPA/Other State EPA/Other	
b.										State EPA/Other	
c.										State EPA/Other	
d.										State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
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 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 Dennis...						Signature Dennis...			Month Day Year 11 12 91		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name ...						Signature ...			Month Day Year 11 12 91		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name ...						Signature ...			Month Day Year 11 12 91		
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 11 12 91		

Do Not Write Below This Line

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C1A1C101010101921616171717		Manifest Document No. 1211712		2. Page 1 of 1		Information in the shaded area is not required by Federal Regulations			
3. Generator's Name and Mailing Address City of Oakland EDSE 1417 Clay Street, Oakland, CA 94612 4. Generator's Phone (415) 273-3692						A. State Manifest Document Number 89682872					
5. Transporter 1 Company Name Stanco		6. US EPA ID Number IC1A1D101613151417191915		C. State Transporter's ID 10977		D. Transporter's Phone 800-759					
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107				10. US EPA ID Number HUT1D1919113101171418		G. State Facility's ID 801 534 0054		H. Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous Waste Solid NOC ORNL NA 9195						021 DT		292113		Y	
b.										State EPA/Other State	
c.										State EPA/Other State	
d.										State EPA/Other State	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 D. H. ...						Signature D. H. ...			Month 10		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name D. H. ...						Signature D. H. ...			Month 10		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month		
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		

89682872
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

FACILITY

Do Not Write Below This Line

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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.	
3. Generator's Name and Mailing Address City of Dublin, CA 1417 ...				A. State Manifest Document Number 89682892		
4. Generator's Phone (415) 271-...				B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (909) 754-4211		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter's ID		
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	15. Waste No.
a. Hazardous Waste and No. 9124						State CA EPA/Other D002
b.						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above SH-91-1580 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Shipped in ...				a.		
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.				b.		
Printed/Typed Name		Signature		Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
Printed/Typed Name		Signature		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
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.				Month Day Year		
Printed/Typed Name		Signature		Month Day Year		

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682893

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded area is not required by Federal law.							
3. Generator's Name and Mailing Address <i>City of San Francisco, Dept of Public Works, 1015 Market St, San Francisco, CA 94102</i>						A. State Manifest Document Number 89682893									
4. Generator's Phone () - - - - -						B. State Generator's ID									
5. Transporter 1 Company Name <i>Waste Management</i>			6. US EPA ID Number <i>UAT129911113117413</i>			C. State Transporter's ID <i>9097</i>		D. Transporter's Phone <i>415-751-1111</i>							
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone							
9. Designated Facility Name and Site Address <i>Waste Management Facility, 1015 Market St, San Francisco, CA 94102</i>						10. US EPA ID Number <i>UAT129911113117413</i>		G. State Facility's ID							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity							
a. <i>Hazardous Waste and Material - Lead Contaminated Soil</i> b. c. d.						No.		Type		14. Unit Wt/Vol		15. State			
								<i>991</i>		<i>UNREMOVABLE</i>				EPA/Other	
														State	
														EPA/Other	
														State	
J. Additional Descriptions for Materials Listed Above <i>GM-89-1580 Lead Contaminated Soil</i>						K. Handling Codes for Wastes Listed Above									
15. Special Handling Instructions and Additional Information <i>Shipped in 2 containers of 200 lbs each</i>						a.		b.							
						c.		d.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 <i>James M. ...</i>					Signature <i>[Signature]</i>					Month <i>11/88</i>					
17. Transporter 1 Acknowledgement of Receipt of Materials															
Printed/Typed Name <i>James M. ...</i>					Signature <i>[Signature]</i>					Month <i>11/88</i>					
18. Transporter 2 Acknowledgement of Receipt of Materials															
Printed/Typed Name					Signature					Month					
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					

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address <i>City of Oakland, CA 1417 Clay St. Oakland, CA 94612</i>		6. US EPA ID Number <i>CA1211111111111111</i>		A. State Manifest Document Number 89682894	
4. Generator's Phone <i>(415) 377-7200</i>		7. Transporter 2 Company Name		B. State Generator's ID	
5. Transporter 1 Company Name <i>Transit</i>		8. US EPA ID Number <i>CA1211111111111111</i>		C. State Transporter's ID	
9. Designated Facility Name and Site Address <i>WSPET 2015011111 Facility 301 E. 7th St. N. - 415 J. Road Lynch, VA 2457</i>		10. US EPA ID Number <i>1111111111111111</i>		D. Transporter's Phone <i>402-750-1111</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
a. <i>1 wooden crate solid waste GM-E A# 9/09</i>		No. Type		14. Unit Weight/Vol	
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above <i>GM-39-153- Local Environmental Unit</i>		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <i>See local environmental unit</i>		a. b. c. d.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes 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 generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>7/91</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>7/91</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>7/91</i>	
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 <i>[Signature]</i>		Signature <i>[Signature]</i>		Month <i>7/91</i>	

89682894

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

GENERATOR

TRANSPORTER

FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address <i>City of San Joaquin, CA 1417 Clay St. San Joaquin, CA 95131</i>		6. US EPA ID Number <i>CA1219 D 00179196</i>		A. State Manifest Document Number 89682894	
4. Generator's Phone <i>(415) 375-7112</i>		8. US EPA ID Number		B. State Generator's ID	
5. Transporter 1 Company Name <i>Stamm</i>		10. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		12. Containers No. Type		D. Transporter's Phone <i>502-755</i>	
9. Designated Facility Name and Site Address <i>LA SPT BRIDGE 117. Facility 301 E. Main St. - 41-3000 Lodi, CA 94207</i>		14. Unit Wt/Vol		E. State Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		13. Total Quantity		F. Transporter's Phone	
a. <i>Shredded waste solid waste CL-E NA 9104</i>		2010T 29915		G. State Facility's ID	
b.				H. Facility's Phone <i>201 534-00</i>	
c.					
d.					
J. Additional Descriptions for Materials Listed Above <i>GM-97-1530 Lead instrumented soil</i>		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <i>Shredded waste solid waste</i>		a.		b.	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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.		c.		d.	
Printed/Typed Name <i>John A. Stamm</i>		Signature <i>[Signature]</i>		Month	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	
Printed/Typed Name		Signature		Month	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	
Printed/Typed Name		Signature		Month	
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.		Signature		Month	
Printed/Typed Name		Signature		Month	

89682894

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

GENERATOR

TRANSPORTER

FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 46125909-1-1982		Manifest Document No. 121121		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address The National Response Center 1475 North 2nd Street Ft. Collins, CO 80502						A. State Manifest Document Number 89682896							
4. Generator's Phone (719) 277-5400						B. State Generator's ID							
5. Transporter 1 Company Name Hunting			6. US EPA ID Number 1701-415-1749			C. State Transporter's ID		D. Transporter's Phone 970-757-4211					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address URJ 301 531-3054						10. US EPA ID Number 1701-415-1749							
G. State Facility's ID						H. Facility's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Hazardous waste listed in 40 CFR Part 174.104						77/27 79918 Y						State 611	
b.												EPA/Other 1229	
c.												State	
d.												EPA/Other	
J. Additional Descriptions for Materials Listed Above 611-34-1500 Lead contaminated soil						K. Handling Codes for Wastes Listed Above							
						a.		b.					
						c.		d.					
15. Special Handling Instructions and Additional Information Hazardous waste													
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 Loren...						Signature Loren...						Month Day Year 12 19 89	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature						Month Day Year	
Printed/Typed Name Loren...						Signature						Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature						Month Day Year	
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	

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

GENERATOR

TRANSPORTER

FACILITY

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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.		
3. Generator's Name and Mailing Address <i>Waste Management, Inc.</i>						A. State Manifest Document Number 89682896				
4. Generator's Phone <i>(415) 277-7337</i>						B. State Generator's ID				
5. Transporter 1 Company Name <i>Waste Management</i>			6. US EPA ID Number <i>CA01000017794E</i>			C. State Transporter's ID <i>139707</i>		D. Transporter's Phone <i>909-779-4211</i>		
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone		
9. Designated Facility Name and Site Address <i>Waste Management, Inc. 41100 Highway 17, El Dorado</i>						10. US EPA ID Number <i>UTD000177413</i>		G. State Facility's ID		
						H. Facility's Phone <i>301 534-0554</i>				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. <i>Hazardous waste solid waste SPILL NO 4189</i>						No. Type				State <i>CA</i> EPA/Other <i>DA09</i>
b.										State EPA/Other
c.										State EPA/Other
d.										State EPA/Other
J. Additional Descriptions for Materials Listed Above <i>CA-89-1500 Lead Contaminated Soil</i>						K. Handling Codes for Wastes Listed Above				
						a.		b.		
						c.		d.		
15. Special Handling Instructions and Additional Information <i>...</i>										
18. 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		
<i>...</i>				<i>...</i>				<i>...</i>		
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name				Signature				Month Day Year		
<i>...</i>				<i>...</i>				<i>...</i>		
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name				Signature				Month Day Year		
<i>...</i>				<i>...</i>				<i>...</i>		
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		
<i>...</i>				<i>...</i>				<i>...</i>		

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-552-7530

GENERATOR

TRANSPORTER

FACILITY

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IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-7550

89682898

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>CA1511201993AAW9</i>		Manifest Document No. <i>9021193</i>		2. Page 1 of 1		Information in the shaded area is not required by Federal law.			
3. Generator's Name and Mailing Address <i>City of San Francisco</i>						A. State Manifest Document Number 89682898					
4. Generator's Phone <i>(415) 375-7443</i>						B. State Generator's ID					
5. Transporter 1 Company Name			6. US EPA ID Number			C. State Transporter's ID		D. Transporter's Phone			
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address <i>HOSPITAL ...</i>						10. US EPA ID Number					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. <i>...</i>						993		19919		Y	
b.										State	
c.										State	
d.										State	
J. Additional Descriptions for Materials Listed Above <i>...</i>						K. Handling Codes for Wastes Listed Above					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping 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 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 waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name						Signature					
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature					
Printed/Typed Name						Signature					
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature					
Printed/Typed Name						Signature					
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					

GENERATOR (upward arrow) / TRANSPORTER (downward arrow) / FACILITY (downward arrow)

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682898

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address <i>12117 Hwy 14, Santa Fe, NM 87501</i>				A. State Manifest Document Number 89682898	
4. Generator's Phone (505) 277-7100				B. State Generator's ID	
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address <i>USPOC, 1430 1/2 St. SW, Albuquerque, NM 87102</i>				E. State Transporter's ID	
10. US EPA ID Number				F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				G. State Facility's ID	
a. <i>HAZARDOUS WASTE</i>				12. Containers No. Type	
b.				13. Total Quantity	
c.				14. Unit Wt/Vol	
d.				15. State	
J. Additional Descriptions for Materials Listed Above <i>6M-39-1500</i>				K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information				a.	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, hazard class, 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 waste generation and select the best waste management method that is available to me and that I can afford.				b.	
Printed/Typed Name				Signature	
17. Transporter 1 Acknowledgement of Receipt of Materials				Mont	
Printed/Typed Name				Signature	
18. Transporter 2 Acknowledgement of Receipt of Materials				Mont	
Printed/Typed Name				Signature	
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	

Do Not Write Below This Line

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805929ny
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-652-7500

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 03609000900009	Manifest Document No. E127100	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address State of California Department of Health Services 1501 17th Street Sacramento, CA 95833				A. State Manifest Document Number 89682900		
4. Generator's Phone (916) 227-4200				B. State Generator's ID		
5. Transporter 1 Company Name DRI, Inc.		6. US EPA ID Number EAD00000129910		C. State Transporter's ID 40060		D. Transporter's Phone 916-759-4211
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone
9. Designated Facility Name and Site Address Waste Management Facility 1701 17th Street Sacramento, CA 95833				10. US EPA ID Number HTD0000010017042		G. State Facility's ID
				H. Facility's Phone 916 531-2554		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. Petroleum based solid waste oil residue UN 1994						State CA EPA/Other D006
b.						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above GM-39-1500 Lead contaminated soil				K. Handling Codes for Wastes Listed Above		
				a.		b.
				c.		d.
15. Special Handling Instructions and Additional Information shipped in drums						
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 Tom M...			Signature		Month Day Year 10 19 89	
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month Day Year	
Printed/Typed Name			Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month Day Year	
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

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682901

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>15119113901119</i>		Manifest Document No. <i>4214121</i>	2. Page 1 of 1	Information in the sha is not required by Fed						
3. Generator's Name and Mailing Address <i>State Justice Center</i>					A. State Manifest Document Number 8968290							
4. Generator's Phone () <i>714-231-1111</i>					B. State Generator's ID							
5. Transporter 1 Company Name			6. US EPA ID Number <i>15119113901119</i>		C. State Transporter's ID							
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone							
9. Designated Facility Name and Site Address <i>U R I ...</i>					E. State Transporter's ID							
10. US EPA ID Number <i>15119113901119</i>					F. Transporter's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity					
a. <i>100 lbs of ...</i> b. <i>...</i> c. <i>...</i> d. <i>...</i>					No.		Type		14. Unit Wt/Vol		State	
											EPA	
											State	
											EPA	
J. Additional Descriptions for Materials Listed Above <i>...</i>					K. Handling Codes for Wastes Listed							
					a.		b.					
					c.		d.					
15. Special Handling Instructions and Additional Information <i>...</i>												
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 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 will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.												
Printed/Typed Name				Signature								
<i>...</i>				<i>...</i>								
17. Transporter 1 Acknowledgement of Receipt of Materials												
Printed/Typed Name				Signature								
<i>...</i>				<i>...</i>								
18. Transporter 2 Acknowledgement of Receipt of Materials												
Printed/Typed Name				Signature								
<i>...</i>				<i>...</i>								
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								
<i>...</i>				<i>...</i>								

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

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.
3. Generator's Name and Mailing Address <i>Hyatt-Walton FINE 107 1/2 W. 1st St. 95822</i>		6. US EPA ID Number <i>UTD001174R</i>		A. State Manifest Document Number 89682902	
4. Generator's Phone (415) 271-142		7. Transporter 1 Company Name <i>ADD</i>		C. State Transporter's ID <i>02541 75921</i>	
5. Transporter 1 Company Name		8. US EPA ID Number		D. Transporter's Phone <i>102 759-521</i>	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address <i>Waste Control Facility 101 E. 7th St. 95833 Folsom, CA 95630</i>		10. US EPA ID Number <i>UTD001174R</i>		F. Transporter's Phone	
9. Designated Facility Name and Site Address		10. US EPA ID Number		G. State Facility's ID	
9. Designated Facility Name and Site Address		10. US EPA ID Number		H. Facility's Phone <i>901 54-2004</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt./Vol	1. Waste No.
a. <i>Hazardous waste and metal containing lead</i>					State <i>611</i> EPA/Other <i>D205</i>
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above <i>2M-34-1580 Lead contaminated soil</i>		K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information <i>2M-34-1580</i>					
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	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
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 18.					
Printed/Typed Name		Signature		Month Day Year	

89682902
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

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.	
3. Generator's Name and Mailing Address						A. State Manifest Document Number 89682903			
4. Generator's Phone ()						B. State Generator's ID			
5. Transporter 1 Company Name			6. US EPA ID Number			C. State Transporter's ID		D. Transporter's Phone	
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address						G. State Facility's ID		H. Facility's Phone	
10. US EPA ID Number									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.									State
b.									EPA/Other
c.									State
d.									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									
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	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
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	

89682903

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

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89682904
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address				A. State Manifest Document Number 89682904	
4. Generator's Phone ()				B. State Generator's ID	
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name				D. Transporter's Phone	
8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address				G. State Facility's ID	
10. US EPA ID Number				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a.			No.	Type	I. Waste No.
					State
					EPA/Other
					State
					EPA/Other
					State
					EPA/Other
					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					
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
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		Month Day Year
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

YELLOW: GENERATOR RETAINS

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89682846
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 01A101010101912161019		Manifest Document No. P1211418		2. Page 1 of 1		Information in the is not required by F	
3. Generator's Name and Mailing Address City of Oakland Local 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 896828			
4. Generator's Phone (415) 273-3682				B. State Generator's ID			
5. Transporter 1 Company Name Stanco		6. US EPA ID Number 1012101016131514171918		C. State Transporter's ID 912		D. Transporter's Phone 800-75	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address USPOI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 150 W. Knolls, UT 84107		10. US EPA ID Number 101210191311131011171418		G. State Facility's ID		H. Facility's Phone 801 534-0054	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. Hazardous Waste Solid W03 ORCL No 9100				No. Type 001		14. Unit Wt/Vol Y	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil				K. Handling Codes for Wastes Listed a. b. c. d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator, & Tyvek Suit							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper s and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable int 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 h to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me whic 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 minimi generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials				18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Printed/Typed Name		Signature	
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			

Please print or type. (Form designed for use on elite (12-pitch typewriter))

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 01010101912161619		Manifest Document No. 71207118		2. Page 1 of 1		Information in the shaded area is not required by Federal law			
3. Generator's Name and Mailing Address City of Oakland D&E 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89682848					
4. Generator's Phone (415) 275-3333						B. State Generator's ID					
5. Transporter 1 Company Name Stanger			6. US EPA ID Number K 1410101013151471916			C. State Transporter's ID 111 571		D. Transporter's Phone 800-759-4271			
7. Transporter 2 Company Name						E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E, 7 mi. N of 49 & 160 W. Knoxville, TN 37107						10. US EPA ID Number 101410101013111171418		G. State Facility's ID 801 534 0054			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	15. Waste State
a. Hazardous Waste Solid NOS ORCAE HA 9100						11207 212118		Y		61	
b.										EPA/Other	
c.										State	
d.										EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-69-158. Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
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 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 W. J. ...						Signature			Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month Day Year		
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		

89682848

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

GENERATOR

TRANSPORTER

FACILITY

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89682849
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>016101810101812161019</i>		Manifest Document No. <i>013 474</i>	2. Page 1 of 1	Information in the state is not required by F
3. Generator's Name and Mailing Address <i>City of Oakland Local 1417 Clay Street, Oakland, CA 94612</i>					A. State Manifest Document Number 8968284	
4. Generator's Phone <i>915 273-3697</i>					B. State Generator's ID	
5. Transporter 1 Company Name <i>Stamps</i>			6. US EPA ID Number <i>016101810101812161019</i>		C. State Transporter's ID	
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone <i>800 75</i>	
9. Designated Facility Name and Site Address <i>USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, ID 84107</i>					10. US EPA ID Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	13. Total Quantity
a. <i>Hazardous Waste Solid NOC 016101810101812161019</i>					<i>11</i>	<i>DT 090918 Y</i>
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above <i>GM-89-1580 Lead Contaminated Soil</i>					K. Handling Codes for Wastes Listed a. b. c. d.	
15. Special Handling Instructions and Additional Information <i>Gloves, Respiration & Tyvek Suit</i>						
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 believe to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name <i>D. ...</i>				Signature <i>[Signature]</i>		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		
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		

Do Not Write Below This Line

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89682850
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C1A1C101010101912161E19		Manifest Document No. 12377		2. Page 1 of /		Information in the shaded area is not required by Federal law.			
3. Generator's Name and Mailing Address City of Oakland ED&L 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 8968285					
4. Generator's Phone (915) 273-3891						B. State Generator's ID					
5. Transporter 1 Company Name Stamps			6. US EPA ID Number 101A1D10101013151417191916			C. State Transporter's ID					
7. Transporter 2 Company Name						D. Transporter's Phone 800-759					
8. US EPA ID Number						E. State Transporter's ID					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						F. Transporter's Phone					
10. US EPA ID Number 101T1D1919113101171418						G. State Facility's ID					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol	
a. Hazardous Waste Solid MOB 02-1 NA 915						No. Type		Quantity		Wt./Vol	
b.										State EPA	
c.										State EPA	
d.										State EPA	
J. Additional Descriptions for Materials Listed Above G4-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information Gloves, respirator & Tyvek Suit											
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 will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Donald...						Signature [Signature]					
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
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					

Do Not Write Below This Line

YELLOW: GENERATOR

Please print or type. (Form designed for use on elite (12-pitch typewriter))

89682854
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 01A1N1G191G19121G1G191211515		Manifest Document No. 71511515		2. Page 1 of 1		Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address City of Oakland Dept 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 89682854			
4. Generator's Phone (415) 273-3827				B. State Generator's ID			
5. Transporter 1 Company Name Stanton		6. US EPA ID Number 01A1N1G191G19141711910		C. State Transporter's ID		D. Transporter's Phone 408-750-4211	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 47 & 100 W. Knolls, CA 94557				10. US EPA ID Number 01A1N1G191G19131019171210		G. State Facility's ID	
				H. Facility's Phone 801 534-0054			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Hazardous Waste Solid Non-Flammable 09H1 10 918				1	DT 0100118 Y		State 611 EPA/Other DUC State
b.							EPA/Other
c.							State
d.							EPA/Other
J. Additional Descriptions for Materials Listed Above CR-89-150 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information Gloves, respirator, Tyvek Suit							
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 Dennis Anderson				Signature <i>Dennis Anderson</i>		Month Day Year 12/17	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name James H. Johnson		Signature <i>James H. Johnson</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
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	

GENERATOR

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAIN

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682856
 NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAICIG0101019121619	Manifest Document No. 12/2/86	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 89682856	
4. Generator's Phone (415) 273-3882				B. State Generator's ID	
5. Transporter 1 Company Name Stanco		6. US EPA ID Number KIAICIG161514171916		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (415) 750-XXXX	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107		10. US EPA ID Number HUISIN91911310117118		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone 801 536 0054	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Hazardous Waste Solid R08 Code: NA 9189			No. Type		
				DT 0,0018 Y	
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above CA-89-1580 Lead Contaminated Soil				K. Handling Codes for Wastes Listed	
				a.	b.
				c.	d.
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit					
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 believe to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Dore [Signature]			Signature [Signature]		
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		
Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		
Discrepancy Indication Space					
Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name			Signature		

B)

Do Not Write Below This Line

Previous editions are obsolete.

YELLOW GENERATOR

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST			1. Generator's US EPA ID No. C1A1C1H1G1D1B19121A1A19	Manifest Document No 2702872	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland EXX 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 89682859			
				B. State Generator's ID			
4. Generator's Phone (510) 272-310		5. Transporter 1 Company Name Senco		6. US EPA ID Number 1G1A1B1C1A1S1512171C1G16		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-755-4211		E. State Transporter's ID	
9. Designated Facility Name and Site Address USPC Grassly Mt. Facility 3 mi. E. 7 mi. N of 41 & 189 W. Knolls, ID 83407		10. US EPA ID Number		11. Facility's Phone 801-534-0054		F. Transporter's Phone	
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
				No.		Type	
a. Hazardous Waste Solid NOS ORLE LA 9138				1		DT 019918 Y	
b.						State 611 EPA/Other DOUC State	
c.						State EPA/Other	
d.						State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-85-1560 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above			
				a.		b.	
				c.		d.	
15. Special Handling Instructions and Additional Information Gloves, Respirotor & Tyvel Suit							
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 <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year 10/21/71/19	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year 11/1/71/19	
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	

89682859
 GENERATOR
 TRANSPORTER
 FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 01A10R10101019121E1C15	Manifest Document No. P121111	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland EMA 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 89682860	
4. Generator's Phone (415) 275-3802				B. State Generator's ID	
5. Transporter 1 Company Name Stamps		6. US EPA ID Number IC1A10R101013191417191918		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-755-4211	
9. Designated Facility Name and Site Address USPOI Grassy Mt. Facility 3 mi. E. 7 mi. N of 49 & 160 W. Knolls, IL 62402				10. US EPA ID Number ID101019181113101171418	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity
a. Hazardous Waste Solid RC0 OR4-1 MA 9125				0101	DT 00018 Y
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above G01-69-1581 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above a. b. c. d.	
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit					
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 Dennis Arnold		Signature		Month Day Year 10/17/89	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
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	

89682860
 GENERATOR
 TRANSPORTER
 FACILITY
 USE OR, IN EMERGENCY OR DILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-652-7550

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

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.	
3. Generator's Name and Mailing Address City of Oakland EDD 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 89682861		
4. Generator's Phone (415) 778-3800				B. State Generator's ID		
5. Transporter 1 Company Name Stanco		6. US EPA ID Number E 17 B 1 1 3 1 5 1 7 9 1 6		C. State Transporter's ID 25427		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-759-4211		
9. Designated Facility Name and Site Address USPOI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & I80 W. Knolls, UT 84117				E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone 801-534-0054		
11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
a. Hazardous Waste Solid ROS 02-12 RC 5135		1	1	Y	State 611 EPA/Other XXXX State	
b.					State EPA/Other	
c.					State EPA/Other	
d.					State EPA/Other	
J. Additional Descriptions for Materials Listed Above 04-85-156 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above a. b. c. d.		
15 Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit						
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 Dennis A. ...		Signature			Month Day Year 12/17/87	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name			Signature	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name			Signature	
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	

89682861, GENERATOR, TRANSPORTER, FACILITY, USE OF THIS EMBLEM ONLY ON GRILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-552-7500

Do Not Write Below This Line

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Please print or type. (Form designed for use on elite (12-pitch typewriter).)

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

89682862

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 01A1010101012161619	Manifest Document No. P121212	2. Page 1 of 1	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland ERM 1417 Clay Street, Oakland, CA 94612			4. Generator's Phone (415) 273-3000		A. State Manifest Document Number 89682862
5. Transporter 1 Company Name Stamps		6. US EPA ID Number 01A10101613151417191916		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-759-4	
9. Designated Facility Name and Site Address USPOI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 100 W. Knolls, UT 84107			10. US EPA ID Number R01010191911131011171416		G. State Facility's ID
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Hazardous Waste Solid MOI 0001 MA 9105			No. Type		
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above G4-89-1580 Lead Contaminated Soil			K. Handling Codes for Wastes Listed Above		
			a. b. c. d.		
15. Special Handling Instructions and Additional Information Gloves, respirator & tyvek suit					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 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 generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Dennis [Signature]			Signature [Signature]		Month 12
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name [Signature]			Signature [Signature]		Month 12
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		Month
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

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.		
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612			4. Generator's Phone (945) 273-3692	A. State Manifest Document Number 89682863	B. State Generator's ID		
5. Transporter 1 Company Name Stanco	6. US EPA ID Number K1A1L61613151417191916	C. State Transporter's ID 005741	D. Transporter's Phone 800-755-4211	E. State Transporter's ID	F. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	G. State Facility's ID	H. Facility's Phone	9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E, 7 mi. N of 41 & 180 W. Knox, UT 84107			
10. US EPA ID Number		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		Hazardous Waste Solid NOS OR4 E MC 9188		001/DIT019218 Y			State 611 EPA/Other 8008
b.							State EPA/Other
c.							State EPA/Other
d.							State EPA/Other
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit							
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 Dennis A. ...		Signature Dennis A. ...		Month Day Year 11/17/19			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name ...		Signature ...		Month Day Year 11/17/19	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name ...		Signature ...		Month Day Year 11/17/19	
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			

89682863
GENERATOR
TRANSPORTER
FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682864

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded area is not required by Federal law.			
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 8968286					
4. Generator's Phone (415) 273-3602						B. State Generator's ID					
5. Transporter 1 Company Name Stranco			6. US EPA ID Number 10141D101010101216101012191010			C. State Transporter's ID 005		D. Transporter's Phone 800-759			
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						10. US EPA ID Number					
11. US DOT Description (Including Proper Shipping Name, Hazard Class. and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol	
a. Hazardous Waste Solid NOS ORIG. NO. 9139						001 DT		001 B Y		State EPA/	
b.										State EPA/	
c.										State EPA/	
d.										State EPA/	
J. Additional Descriptions for Materials Listed Above Q-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit.											
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Printed/Typed Name Dennis Alexander					Signature Dennis Alexander						
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Gene W. Hill					Signature Gene W. Hill						
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name					Signature						
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						

Please print or type. (Form designed for use on elite (12-pitch typewriter).

89682865

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

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 01A01010101912161619		Manifest Document No. 1217615		2. Page 1 of 1		Information in the shaded area is not required by Federal law					
3. Generator's Name and Mailing Address City of Oakland ED68 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89682865							
4. Generator's Phone 415 273-3602						B. State Generator's ID							
5. Transporter 1 Company Name Stanco			6. US EPA ID Number KWA01013151417191016			C. State Transporter's ID		D. Transporter's Phone 800-759-4211					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						10. US EPA ID Number U411919113101171418							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Was	
a. Hazardous Waste Solid NOS OR-L NA 9155						No.		Quantity		Wt/Vol		State 61	
b.												EPA/Other STATE	
c.												EPA/Other State	
d.												EPA/Other State	
J. Additional Descriptions for Materials Listed Above G4-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above		a.		b.		c.	
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit													
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Printed/Typed Name Dennis Anderson						Signature Dennis Anderson						Month D11	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature						Month	
Printed/Typed Name						Signature						Month	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature						Month	
Printed/Typed Name						Signature						Month	
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	

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682866

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAIC101010101912161619		Manifest Document No.		2. Page 1 of		Information in the sha is not required by Fed			
3. Generator's Name and Mailing Address City of Oakland ED&E 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89682866					
4. Generator's Phone 415 273-3692						B. State Generator's ID					
5. Transporter 1 Company Name Stanco			6. US EPA ID Number ICIAID101613151417191916			C. State Transporter's ID 1077		D. Transporter's Phone 800-759			
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						10. US EPA ID Number UUTID1919113101171418					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol	
a. Hazardous Waste Solid NOS ORM-D NA 9189						No. Type		Quantity		State EPA/IV/State EPA/State EPA/	
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above Q4-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
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Printed/Typed Name <i>Dennis Hancock</i>						Signature <i>[Signature]</i>					
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name DARRELL STERKHA						Signature <i>[Signature]</i>					
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
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					

Do Not Write Below This Line

YELLOW: GENERATOR

89682827
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C10101010121610	Manifest Document No. 8979137	2. Page 1 of	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612				A. State Manifest Document Number 89682827	
4. Generator's Phone 415 273-3692				B. State Generator's ID	
5. Transporter 1 Company Name Stamps		6. US EPA ID Number CA1D063547996		C. State Transporter's ID 005135	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-759-4241	
9. Designated Facility Name and Site Address USPCII Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107				E. State Facility's ID	
10. US EPA ID Number UT15091301748				F. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Hazardous Waste Solid NOS ORM-E NA 9189		01/1	MT/0.0018 Y		State 611 EPA/Other 8000
b.					EPA/Other
c.					State
d.					EPA/Other
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above	
				a.	b.
				c.	d.
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit					
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Printed/Typed Name Dennis Alexander		Signature <i>Dennis Alexander</i>		Month Day 10/8/15	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Gene Wells		Signature <i>Gene Wells</i>		Month Day	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day	

GENERATOR

TRANSPORTER

FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CIAIC10101010921616992121**
Manifest Document No. **89682828**

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
**City of Oakland ED&E
1417 Clay Street, Oakland, CA 94612**

A. State Manifest Document Number
89682828

4. Generator's Phone **(415) 273-3692**

B. State Generator's ID

5. Transporter 1 Company Name
Stanco

C. State Transporter's ID **00-109**

6. Transporter 1 US EPA ID Number
ICIAID101613151071916

D. Transporter's Phone **800-759-4211**

7. Transporter 2 Company Name
D.4.

E. State Transporter's ID

8. Transporter 2 US EPA ID Number
UTID19911301710

F. Transporter's Phone

9. Designated Facility Name and Site Address
**USPCI Grassy Mt. Facility
3 mi. E. 7 mi. N of 41 & I80 W.
Knolls, UT 84107**

G. State Facility's ID

H. Facility's Phone **801-534-0084**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
a. **Hazardous Waste Solid NOS
ORM-N NA 9189**

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
001	DT	0.9918	Y	State 611 EPA/Other S100
				EPA/Other
				State
				EPA/Other
				State
				EPA/Other

b.
c.
d.

J. Additional Descriptions for Materials Listed Above
**CM-99-1580
Lead Contaminated Soil**

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

15. Special Handling Instructions and Additional Information
Gloves, Respirator & Tyvek Suit

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 **Dennis Alexander** Signature **Dennis Alexander** Month Day Year **10/21/52**

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

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

89682828
 GENERATOR
 TRANSPORTER
 FACILITY
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA101010101012649121919		ManWest Document No. 121919		2. Page 1 of		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612 4. Generator's Phone (415) 273-3692						A. State Manifest Document Number 89682829					
5. Transporter 1 Company Name Stanco						B. State Generator's ID					
6. Transporter 1 US EPA ID Number CA101010101017096						C. State Transporter's ID 907435/90744					
7. Transporter 2 Company Name						D. Transporter's Phone 800-759-4211					
7. Transporter 2 US EPA ID Number						E. State Transporter's ID					
8. Transporter's Phone						F. Transporter's Phone					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						10. US EPA ID Number UT10101010101748					
10. US EPA ID Number						G. State Facility's ID					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						H. Facility's Phone 801-321-0054					
a. Hazardous Waste Solid NOS ORM-H NA 9189						12. Containers 0102 DT 010218 Y		13. Total Quantity		14. Unit Wt/Vol	15. Waste No. State 611 EPA/Other SI008 EPA/Other State EPA/Other State EPA/Other
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.					
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
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 Dennis Alexander				Signature Dennis Alexander				Month Day Year 10/11/89			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Earl Townsend				Signature Earl Townsend				Month Day Year 10/11/89			
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			

89682829
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7000

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C101010101266001311	Manifest Document No. 11	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612			4. Generator's Phone (415) 273-3692		A. State Manifest Document Number 89682831
5. Transporter 1 Company Name Stanco		6. US EPA ID Number CA1D10163507906		C. State Transporter's ID 045955-55	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-799-4211	
9. Designated Facility Name and Site Address USIPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, IN 46107			10. US EPA ID Number UT1D1991301745		E. State Facility's ID
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. Hazardous Waste Solid NOS CEM-E NA 9189			012	DT 001918	Y
b.					State 411 EPA/Other 84008
c.					EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil			K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit			a. b. c. d.		
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 Dennis Alexander		Signature <i>Dennis Alexander</i>		Month Day Year 12/15/79	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name JERRY THOMAS		Signature <i>Jerry Thomas</i>		Month Day Year 12/15/79	
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 18.					
Printed/Typed Name		Signature		Month Day Year	

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

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA10000092669212133		Manifest Document No. 212133	2. Page 1 of 1		Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612					A. State Manifest Document Number 89682832			
4. Generator's Phone 415 273-3692					B. State Generator's ID			
5. Transporter 1 Company Name Stanco					6. US EPA ID Number CA10000092669212133		C. State Transporter's ID 10191	
7. Transporter 2 Company Name					8. US EPA ID Number		D. Transporter's Phone 800 759 42	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107					10. US EPA ID Number UT101911301748		E. State Transporter's ID	
							F. Transporter's Phone	
							G. State Facility's ID	
							H. Facility's Phone 801 534 0884	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers	13. Total Quantity	14. Unit	15. SW
a. Hazardous Waste Solid NOS CRM-E NA 9189					No. Type			State EPA/Other SW
					0 0 1 DT	0 0 0 18	Y	8000
b.								EPA/Other
c.								State
d.								EPA/Other
16. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil					K. Handling Codes for Wastes Listed Above			
					a.		b.	
					c.		d.	
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping 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 minimize 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 generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name Dennis Alexander					Signature Dennis Alexander		Month 1/89	
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name J. C. [unclear]					Signature [unclear]		Month 1/89	
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name					Signature		Month	
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	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAIC101010101010126690171232		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal			
3. Generator's Name and Mailing Address City of Oakland ED6E 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89682833					
4. Generator's Phone (415) 273-3692						B. State Generator's ID					
6. Transporter 1 Company Name Stanco						C. State Transporter's ID 009719					
7. Transporter 2 Company Name						D. Transporter's Phone 800-759-42					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Krohn, UT 84107						E. State Transporter's ID					
10. US EPA ID Number						F. Transporter's Phone					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit WT/Vol	
a. Hazardous Waste Solid NOS ORM-E NA 9189						0101 DT 0100118		Y		State EPA/Other	
b.										State EPA/Other	
c.										State EPA/Other	
d.										State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 Dennis Alexander						Signature Dennis Alexander		Month 12/89			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Michael J. [unclear]						Signature Michael J. [unclear]		Month			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature		Month			
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			

89682833
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded area is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland EDSE 1417 Clay Street, Oakland, CA 94612		4. Generator's Phone 415 273-3692		A. State Manifest Document Number 88682834	
5. Transporter 1 Company Name Stanco		6. US EPA ID Number ICAD063547996		C. State Transporter's ID 9175161	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-750-4	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107		10. US EPA ID Number UTD0991301748		G. State Facility's ID 001 33 0004	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. State EPA/Other
a. Hazardous Waste Solid NOS (ORLE NA 9189)		002 DT	0,0018	Y	OR
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above 01-89-1580 Lead Contaminated Soil		K. Handling Codes for Wastes Listed Above			
		a.		b.	
		c.		d.	
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 Dennis Alexander		Signature <i>Dennis Alexander</i>		Month 10/8	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name MARK J. Beckwith		Signature <i>Mark J. Beckwith</i>		Month 11/8	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month	
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	

09682834
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).

89682835
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C10101010191216141912121215		Manifest Document No. 0121215		2. Page 1 of		Information in the area is not required by Federal			
3. Generator's Name and Mailing Address City of Oakland ED&E 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 8968283					
4. Generator's Phone 415 273-3692						B. State Generator's ID					
5. Transporter 1 Company Name Stanco			6. US EPA ID Number ICAD063547996			C. State Transporter's ID 91514		D. Transporter's Phone 800-750			
7. Transporter 2 Company Name						E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						10. US EPA ID Number UTD991301748					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit	
a. Hazardous Waste Solid NOS ORM-E NA 9189						No. 0,02 DT		Quantity 0,00,18		Unit Y	
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping 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 to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which is 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 generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Dennis Alexander						Signature <i>Dennis Alexander</i>			MOR		
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Corey Woodhouse			Signature <i>Corey Woodhouse</i>		
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name			Signature		
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			MOR		

Do Not Write Below This Line

YELLOW: GENERATOR

Please print or type. (Form designed for use on 6 1/2" (12-pitch typewriter).

85082036
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-962-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C1A1C10101010191216161912121316		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89082836								
4. Generator's Phone (415) 273-3692						B. State Generator's ID								
5. Transporter 1 Company Name Stanco			6. US EPA ID Number IC1A1D101613151417191916			C. State Transporter's ID 913510		D. Transporter's Phone 800-759-4211						
7. Transporter 2 Company Name						E. State Transporter's ID		F. Transporter's Phone						
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						10. US EPA ID Number H1T1D1919113101171418								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol				
a. Hazardous Waste Solid NOS ORRLE NA 9189						No. Type		Quantity		Waste No.				
						0,010T		0,0018Y		State 611				
b.										EPA/Other NONE				
c.										State				
d.										EPA/Other				
J. Additional Descriptions for Materials Listed Above (21-89-1580) Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above								
						a.		b.						
						c.		d.						
16. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit														
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 Dennis Alexander					Signature Dennis Alexander					Month Day Year 10/8/15/89				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name John Schilling					Signature John Schilling					Month Day Year 10/11/15/89				
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

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland ED&E 1417 Clay Street, Oakland, CA 94612		4. Generator's Phone (415) 273-3692		A. State Manifest Document Number 89682837		B. State Generator's ID	
5. Transporter 1 Company Name Stanco		6. US EPA ID Number CA D 0 6 2 1 6 7 9 9 6		C. State Transporter's ID		D. Transporter's Phone 909-762-001763	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone 888-759-4211	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107		10. US EPA ID Number		G. State Facility's ID		H. Facility's Phone 801-734-0054	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.		
a. Hazardous Waste Solid NOS ORR-E NA 9189		0102DT	010018	Y	State 611 EPA/Other SD008		
b.					State EPA/Other		
c.					State EPA/Other		
d.					State EPA/Other		
J. Additional Descriptions for Materials Listed Above GH-39-1560 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above			
				a.		b.	
				c.		d.	
16. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit							
18. 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 Dennis Alexander		Signature <i>Dennis Alexander</i>		Month Day Year 10/11/15/18/19			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Michael...</i>		Signature <i>Michael...</i>		Month Day Year 11/11/17	
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			

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-527-7500

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

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89682838
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C1010101921619		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal law.			
3. Generator's Name and Mailing Address City of Oakland ED6E 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 8968283					
4. Generator's Phone (415) 273-3692						B. State Generator's ID					
5. Transporter 1 Company Name Stanco			6. US EPA ID Number IC1AD10161315147191916			C. State Transporter's ID 0259		D. Transporter's Phone 800-759			
7. Transporter 2 Company Name						E. State Transporter's ID		F. Transporter's Phone			
8. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E, 7 mi. N of 41 & 180 W, Krollis, UT 84107						10. US EPA ID Number UT12191911301171A18		G. State Facility's ID 801 834 0024			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous Waste Solid NOS ORM-E NA 9189						0,01 DT		010018		Y	
b.										State EPA/DO	
c.										State EPA/DO	
d.										State EPA/DO	
J. Additional Descriptions for Materials Listed Above 04-89-1560 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping 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 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 waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Dennis Alexander						Signature Dennis Alexander					
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Robert Washish						Signature Robert Washish					
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
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					

State of California - Health and Welfare Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-91)
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89682839
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C1010101092669A32P319	Manifest Document No. 89682839	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612			A. State Manifest Document Number 89682839		
4. Generator's Phone (415) 273-3692			B. State Generator's ID		
5. Transporter 1 Company Name Stanco		6. US EPA ID Number CA D062547996	C. State Transporter's ID 909778		
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone 800-759-4211		
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107			E. State Transporter's ID		
			F. Transporter's Phone		
			G. State Facility's ID		
			H. Facility's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt./Vol	1. Waste No.
a. Hazardous Waste Solid NOS OR04-E NA 9189		0611	DT 01010118	Y	State 611 EPA/Other 66608
b.					EPA/Other
c.					State
d.					EPA/Other
J. Additional Descriptions for Materials Listed Above 04-89-1580 Lead Contaminated Soil			K. Handling Codes for Wastes Listed Above		
			a.		
			b.		
			c.		
			d.		
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit					
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Printed/Typed Name Dennis Alexander		Signature <i>Dennis Alexander</i>		Month Day 10/9/17	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Dan Ross</i>		Month Day 10/8/17	
Printed/Typed Name Dan Ross		Signature		Month Day	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day	
Printed/Typed Name		Signature		Month Day	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day	

Do Not Write Below This Line

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIA101010101912161619		Manifest Document No. 12121910	2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612					A. State Manifest Document Number 89682840			
4. Generator's Phone (415) 273-3692					B. State Generator's ID			
5. Transporter 1 Company Name Stanco		6. US EPA ID Number ICIA101613151617191916		C. State Transporter's ID 909721		D. Transporter's Phone 800-758-4211		
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107					10. US EPA ID Number H1T1D1919111101171A18		G. State Facility's ID	
					H. Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
a. Hazardous Waste Solid NOS ORM-E N/A 9189				0101	DT00018 Y		State 611	EPA/Other 9008
b.							State	EPA/Other
c.							State	EPA/Other
d.							State	EPA/Other
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil					K. Handling Codes for Wastes Listed Above			
					a.		b.	
					c.		d.	
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit								
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 Dennis Alexander				Signature Dennis Alexander		Month Day Year 12/11/89		
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name Dennis Alexander				Signature Dennis Alexander		Month Day Year 12/11/89		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name Francisco A. Mianis				Signature Francisco A. Mianis		Month Day Year 12/11/89		
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		

802222749
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-652-7500

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

89682841
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C10101010926690211A1	Manifest Document No. 211A1	2. Page 1 of 1	Information in the shaded area is not required by Fed.	
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612			A. State Manifest Document Number 8968284			
4. Generator's Phone 415 273-3692	6. US EPA ID Number CA1D10163547906	C. State Transporter's ID 200		B. State Generator's ID		
5. Transporter 1 Company Name Stanco	8. US EPA ID Number	E. State Transporter's ID 000-759		D. Transporter's Phone		
7. Transporter 2 Company Name	10. US EPA ID Number	F. Transporter's Phone		G. State Facility's ID		
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107	12. Containers	13. Total Quantity		H. Facility's Phone 801-336-0854		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	No.	Type	Quantity	Unit Wt./Vol.	4.	
a. Hazardous Waste Solid INOS ORM-L NA 9189		DRUM			Y	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 04-89-1590 Lead Contaminated Soil			K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit			a.			
18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which not 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 generation and select the best waste management method that is available to me and that I can afford.			b.			
Printed/Typed Name Dennis Alexander			Signature <i>Dennis Alexander</i>		Mon	
17. Transporter 1 Acknowledgement of Receipt of Materials			c.			
Printed/Typed Name Tom A. Hansen			Signature <i>Tom A. Hansen</i>		Mon	
18. Transporter 2 Acknowledgement of Receipt of Materials			d.			
Printed/Typed Name			Signature		Mon	
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		Mon	

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89682842
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7550

GENERATOR	UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAIC101010101912161619121142		Manifest Document No. 121142		2. Page 1 of 1		Information in the shaded area is not required by Federal law.				
	3. Generator's Name and Mailing Address City of Oakland ED&E 1417 Clay Street, Oakland, CA 94612							A. State Manifest Document Number 8968284		B. State Generator's ID			
	4. Generator's Phone (415) 273-3692				6. US EPA ID Number ICIAID10161315147191916		C. State Transporter's ID 0074		D. Transporter's Phone 800-750		E. State Transporter's ID		
	5. Transporter 1 Company Name Stanco				7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		
	9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107							10. US EPA ID Number UUTD1919131017148		G. State Facility's ID		H. Facility's Phone 801-574-0054	
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)							12. Containers		13. Total Quantity		14. Unit Wt/Vol	
	a. Hazardous Waste Solid NOS ORM-E NA 9189							No. Type		Quantity		Unit Wt/Vol	
	b.												
	c.												
	d.												
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil							K. Handling Codes for Wastes Listed Above						
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit							a.						
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Printed/Typed Name Dennis Alexander							Signature Dennis Alexander						
17. Transporter 1 Acknowledgement of Receipt of Materials							Printed/Typed Name Curtis Shepherd						
18. Transporter 2 Acknowledgement of Receipt of Materials							Signature Curtis Shepherd						
Printed/Typed Name							Signature						
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						

Do Not Write Below This Line

YELLOW: GENERATOR

89682844
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CIAIC101010192669751414		Manifest Document No. 751414		2. Page 1 of 1		Information in the shaded area is not required by Federal law.			
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 8068284					
4. Generator's Phone 415 273-3692						B. State Generator's ID					
5. Transporter 1 Company Name Stamco			6. US EPA ID Number CAD063547996			C. State Transporter's ID 115					
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 800-759					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, UT 84107						E. State Transporter's ID					
10. US EPA ID Number UT10991301740						F. Transporter's Phone					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit (wt/vol)	
a. Hazardous Waste Solid NOS OR-E NA 9189						No. 001/DIT 010118		Type Y		State UT	
b.										EPA	
c.										State	
d.										EPA	
J. Additional Descriptions for Materials Listed Above 04-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above					
						a.		b.			
						c.		d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit											
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Printed/Typed Name Dennis Alexander			Signature <i>Dennis Alexander</i>			Mon			10		
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Mon	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name		Signature		Mon	
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		Mon	

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC00000912669	Manifest Document No. 1114	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address CITY OF OAKLAND 1000 STREET				A. State Manifest Document Number 89463470		
4. Generator's Phone (415) 272-3012				B. State Generator's ID		
5. Transporter 1 Company Name STANCO		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address OAKLAND FACILITY		10. US EPA ID Number		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone		
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 No.
a.						State EPA/Other
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						
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Printed/Typed Name			Signature		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month Day Year	
Printed/Typed Name			Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month Day Year	
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	

89463470
 GENERATOR
 TRANSPORTER
 FACILITY

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YELLOW: GENERATOR RETAINS

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded area is not required by Federal
3. Generator's Name and Mailing Address THE OYSTER POINT LAND FILL				A. State Manifest Document Number 89463473	
4. Generator's Phone ()				B. State Generator's ID	
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	13. Total Quantity	14. Unit Wt / Vol
a.					State
b.					EPA/Oth
c.					State
d.					EPA/Oth
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					
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Printed/Typed Name			Signature		Month
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month
Printed/Typed Name			Signature		Month
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month
Printed/Typed Name			Signature		Month
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

89463473

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-6802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89463476

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

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the area is not required by Federal		
3. Generator's Name and Mailing Address 1017 20th St San Francisco, CA 94114						A. State Manifest Document Number 8946347				
4. Generator's Phone (415) 773-1172						B. State Generator's ID				
5. Transporter 1 Company Name TWA Inc			6. US EPA ID Number 02010001000100010001			C. State Transporter's ID 9091		D. Transporter's Phone		
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone		
9. Designated Facility Name and Site Address Waste Transfer Station 1017 20th St San Francisco, CA 94114						10. US EPA ID Number		G. State Facility's ID		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit (Wt/Vol)
a. Waste						0101 DIT 0010116 Y				State EPA
b.										State EPA
c.										State EPA
c.										State EPA
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed				
						a.		b.		
						c.		d.		
15. Special Handling Instructions and Additional Information										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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 to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will 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 generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name						Signature			Mon	
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name C. Minnis						Signature			Mon	
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name						Signature			Mon	
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			Mon	

89463477

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address CITY OF OAKLAND, CALIFORNIA						A. State Manifest Document Number 8946347			
4. Generator's Phone (415) 771-1111						B. State Generator's ID			
5. Transporter 1 Company Name WASTE MANAGEMENT			6. US EPA ID Number CA0000000000			C. State Transporter's ID 9000		D. Transporter's Phone	
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address EAST OAKLAND						10. US EPA ID Number		G. State Facility's ID	
						H. Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. ONE NA 917				No. Type				State EPA/	
b.								State EPA/	
c.								State EPA/	
d.								State EPA/	
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									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, hazard class, and ID number, 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 waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name					Signature				
17. Transporter 1 Acknowledgement of Receipt of Materials					18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name					Signature				
18. Transporter 2 Acknowledgement of Receipt of Materials					19. Discrepancy Indication Space				
Printed/Typed Name					Signature				
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				

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89463478

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of		Information in the shaded area is not required by Federal law.	
3. Generator's Name and Mailing Address <i>GENCO INDUSTRIES INC</i>				A. State Manifest Document Number 89463478		B. State Generator's ID	
4. Generator's Phone () - - - - -				C. State Transporter's ID <i>90000</i>		D. Transporter's Phone	
5. Transporter 1 Company Name		6. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID		H. Facility's Phone	
9. Designated Facility Name and Site Address <i>GENCO INDUSTRIES INC</i>				10. US EPA ID Number			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit	
a. <i>HAZARDOUS WASTE SOLID NOS</i>				No.	Type	Wt/Vol	State
b. <i>SHRUB NA 9189</i>							EPA/C
c.							State
d.							EPA/C
J. Additional Descriptions for Materials Listed Above <i>6117-89-1580</i>				K. Handling Codes for Wastes Listed Above			
				a.		b.	
				c.		d.	
15. Special Handling Instructions and Additional Information <i>GLOVES RESPIRATOR TYVEK SUIT</i>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international 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	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Month	
Printed/Typed Name <i>Jim MASTRIANA</i>				Signature		108	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month	
Printed/Typed Name				Signature		Month	
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	

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

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89463479

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

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal	
3. Generator's Name and Mailing Address <i>CITY OF ARLANDER</i>						A. State Manifest Document Number 89463479			
4. Generator's Phone ()						B. State Generator's ID			
5. Transporter 1 Company Name			6. US EPA ID Number			C. State Transporter's ID		90977	
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone			
9. Designated Facility Name and Site Address						E. State Transporter's ID			
						F. Transporter's Phone			
10. US EPA ID Number						G. State Facility's ID			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity	
a. <i>HAZARDOUS WASTE</i>						0011 BT/1000LBS		14. Unit Wt/Vol	
b.								State	
c.								EPA/Other	
d.								State	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above			
a. <i>01-09-1980</i>						a.		b.	
						c.		d.	
15. Special Handling Instructions and Additional Information									
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	
17. Transporter 1 Acknowledgement of Receipt of Materials					Signature			Month	
Printed/Typed Name					Signature			Month	
18. Transporter 2 Acknowledgement of Receipt of Materials					Signature			Month	
Printed/Typed Name					Signature			Month	
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	

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address JERRY T THOMAS ED + E 1411 ELLY STREET OAKLAND CA 94612		1. Generator's US EPA ID No. CMA949019301194194194		A. State Manifest Document Number 89463480	
4. Generator's Phone (415) 342-3699		6. US EPA ID Number		B. State Generator's ID	
5. Transporter 1 Company Name S. THOMAS		7. Transporter 2 Company Name		C. State Transporter's ID	
8. US EPA ID Number		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address USFCI GRASSY MOUNTAIN FACILITY 2 MI. E. 7 MI. N. I 88 + I 88 W KNOWLES HILL 94619		10. US EPA ID Number		E. State Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		F. Transporter's Phone	
a. HAZARDOUS WHITE SOLID MSC DRUM - E MA 9189		No. Type		G. State Facility's ID	
b.				H. Facility's Phone	
c.				I. Waste No.	
d.				State	
J. Additional Descriptions for Materials Listed Above GM - 89 - 1580				EPA/Other	
K. Handling Codes for Wastes Listed Above				State	
15. Special Handling Instructions and Additional Information EXCESS REFRIGERATOR TYLER 3007				EPA/Other	
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.				State	
Printed/Typed Name		Signature		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials				State	
Printed/Typed Name JERRY T THOMAS		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				State	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space				State	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				State	
Printed/Typed Name		Signature		Month Day Year	

EMERGENCY OR WILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-652-7500

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal law.		
3. Generator's Name and Mailing Address <i>W. L. LAWRENCE</i>							A. State Manifest Document Number 89463481			
4. Generator's Phone (415) <i>733-7000</i>							B. State Generator's ID			
5. Transporter 1 Company Name <i>STANCO</i>				6. US EPA ID Number <i>100010017-7000</i>		C. State Transporter's ID <i>90231</i>		D. Transporter's Phone		
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		
9. Designated Facility Name and Site Address <i>W. L. LAWRENCE</i>				10. US EPA ID Number		G. State Facility's ID		H. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit	15. State
a. <i>HAZARDOUS WASTE</i>						No. Type			Wt./Vol	EPA/OT
b.										State
c.										EPA/OT
d.										State
J. Additional Descriptions for Materials Listed Above <i>HAZARDOUS WASTE</i>						K. Handling Codes for Wastes Listed Above				
						a.		b.		
						c.		d.		
15. Special Handling Instructions and Additional Information										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping names 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	
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name <i>D. Lawrence</i>						Signature <i>D. Lawrence</i>			Month	
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name						Signature			Month	
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	

89463481

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

GENERATOR

TRANSPORTER

FACILITY

Please print or type (Form designed for use on elite (12-pitch typewriter).)

89463482

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA0000001720019029192		Manifest Document No. 029192		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CITY OF CLEVELAND, OHIO 1447 STAN ST. CLEVELAND OH. 94612						A. State Manifest Document Number 89463482							
4. Generator's Phone (419) 249-2492						B. State Generator's ID							
5. Transporter 1 Company Name			6. US EPA ID Number			C. State Transporter's ID		D. Transporter's Phone					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address US 33 BRASSY MOUNTAIN FACILITY 300 E. 4TH AVE. #117 SW CLEVELAND, OH. 44115						10. US EPA ID Number							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. HAZARDOUS WASTE SOLID NOS IRM-E NA 9199						No. Type						State 611 EPA/Other	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM - 89-1580						K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information BLEND, RESPIRATOR, TYVAL SUIT													
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 JAMES L. ...				Signature [Signature]				Month Day Year 10/12/99					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day Year					
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					

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89463483
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-652-7530

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No	2. Page 1 of	information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address				A. State Manifest Document Number 89463483	
4. Generator's Phone ()				B. State Generator's ID	
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
			No.	Type	I. Waste No.
a.					State
					EPA/Other
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					
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
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month Day Year
Printed/Typed Name			Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month Day Year
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

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <i>1111 12 12 12 12 12</i>		6. US EPA ID Number		A. State Manifest Document Number 89463484		
4. Generator's Phone () - -		7. Transporter 1 Company Name		B. State Generator's ID		
5. Transporter 1 Company Name		8. US EPA ID Number		C. State Transporter's ID <i>915650</i>		
7. Transporter 2 Company Name		9. Designated Facility Name and Site Address		D. Transporter's Phone		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone		
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 No.
a. <i>AG/DTCE/IE</i>						State EPA/Other
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						
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	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <i>ICE GENTRY</i>		Signature			Month Day Year <i>08/12/89</i>	
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	

89463484
 WITHIN 24-88
 GENERATOR
 TRANSPORTER
 FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89463485

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>01110110101921111111111111111111</i>	Manifest Document No. <i>01110110101921111111111111111111</i>	2. Page 1 of _____	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <i>CITY OF CARLIN, ED 4 E 1119 CLAY ST. BARLAND, CA. 94612</i>				A. State Manifest Document Number 89463485	
4. Generator's Phone <i>707-272-2692</i>				B. State Generator's ID	
5. Transporter 1 Company Name <i>STANCO</i>		6. US EPA ID Number <i>11111111111111111111111111111111</i>		C. State Transporter's ID <i>911554</i>	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address <i>USFBI GRAND MOUNTAIN FACILITY SOUTH E. 4000 N. OF HWY 1 KNOWLES, UT 84101</i>		10. US EPA ID Number <i>11111111111111111111111111111111</i>		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste M
a. <i>HAZARDOUS WASTE SOLID MS CRATE NR 9189</i>					State <i>UT</i> EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above <i>6 M. P9-15 B0</i>				K. Handling Codes for Wastes Listed Above	
				a.	b.
				c.	d.
15. Special Handling Instructions and Additional Information <i>WELDER RESPIRATOR, TYVEK SUIT C-1 JFJ</i>					
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 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	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day	
<i>Raymond J. ...</i>		<i>[Signature]</i>		<i>01/11</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day	

Do Not Write Below This Line

YELLOW: GENERATOR RET.

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89463486

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-RR02; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WAH01991921619161314116		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal law					
3. Generator's Name and Mailing Address CITY OF OAKLAND FB + E 1111 CLAY ST. OAKLAND, CA 94612						A. State Manifest Document Number 89463486							
4. Generator's Phone (415) 272-3692						B. State Generator's ID							
5. Transporter 1 Company Name STANCO			6. US EPA ID Number WAH01991921619161314116			C. State Transporter's ID 428715		D. Transporter's Phone					
7. Transporter 2 Company Name /			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address USPFI GRASSY MOUNTAIN FACILITY 3RD E. 4TH N. 2ND + I ROW KNOWLES UT. PH 119						10. US EPA ID Number WAH01991921619161314116							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZARDOUS WASTE SOLID AQUEOUS CRUDE NA 9199						12. Containers		13. Total Quantity		14. Unit			
						No.		Type		Wt/Vol		1. Waste	
												State	
												EPA/Other	
												State	
J. Additional Descriptions for Materials Listed Above LHM - 99 - 1580						K. Handling Codes for Wastes Listed Above							
						a.		b.					
						c.		d.					
15. Special Handling Instructions and Additional Information GLOVES, RESPIRATOR, TYVEK SUIT													
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 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					
17. Transporter 1 Acknowledgement of Receipt of Materials					Signature			Month Day					
Printed/Typed Name					Signature			Month Day					
18. Transporter 2 Acknowledgement of Receipt of Materials					Signature			Month Day					
Printed/Typed Name					Signature			Month Day					
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name					Signature			Month Day					

Do Not Write Below This Line

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address CITY OF OAKLAND ED 15 1411 CLAY ST. OAKLAND CA 94612		CA047701930019		A. State Manifest Document Number 89463487	
4. Generator's Phone (415) 772-3292		6. US EPA ID Number 10A17413142991		B. State Generator's ID	
5. Transporter 1 Company Name STANCO		7. Transporter 2 Company Name		C. State Transporter's ID 908793	
8. US EPA ID Number		9. Designated Facility Name and Site Address USFBI GARAGE WITH FACILITY 3 MI E 1411 N 24TH ST KAYNES CT. 94104		D. Transporter's Phone	
10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		E. State Transporter's ID	
12. Containers		13. Total Quantity		F. Transporter's Phone	
No.		Type		G. State Facility's ID	
14. Unit Wt/Vol		15. Waste No.		H. Facility's Phone	
a. HAZARDOUS WASTE SOLID RES ORM-E RA 9129				State 611	
b.				EPA/Other	
c.				State	
d.				EPA/Other	
J. Additional Descriptions for Materials Listed Above GM 89-1530		K. Handling Codes for Wastes Listed Above		a.	
		b.		c.	
		d.			
15. Special Handling Instructions and Additional Information GLOVES RESPIRATOR TYPER SUIT					
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	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name FRANK J DELUCA		Signature Frank J DeLuca	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space		Printed/Typed Name		Signature	
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	

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Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

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89463488

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-6602. WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal law					
3. Generator's Name and Mailing Address CITY OF OAKLAND - EUCHE 1417 CITY ST OAKLAND CA 94612						A. State Manifest Document Number 89463488							
4. Generator's Phone (415) 542-3197						B. State Generator's ID							
5. Transporter 1 Company Name GTR-10				6. US EPA ID Number MA10001514711710		C. State Transporter's ID 000007		D. Transporter's Phone					
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID 000007		F. Transporter's Phone					
9. Designated Facility Name and Site Address HUNTER COUNTY WASTE FACILITY 200 E. JIMMIE ST 41-1500 KINGSTON TN 37117						10. US EPA ID Number 107671111117118		G. State Facility's ID					
						H. Facility's Phone							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Waste	
a. HAZARDOUS WASTE LIQD UNK (211)-E 113 9187						No. Type		Quantity		Wt/Vol		State EPA/Other	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above EUCHE - 89-1580						K. Handling Codes for Wastes Listed Above							
						a.		b.					
						c.		d.					
15. Special Handling Instructions and Additional Information None													
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 James L. E. ...						Signature James L. E. ...				Month Day 11/81			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name K. ...						Signature K. ...				Month Day 11/81			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Month Day			
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name						Signature				Month Day			

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89463489

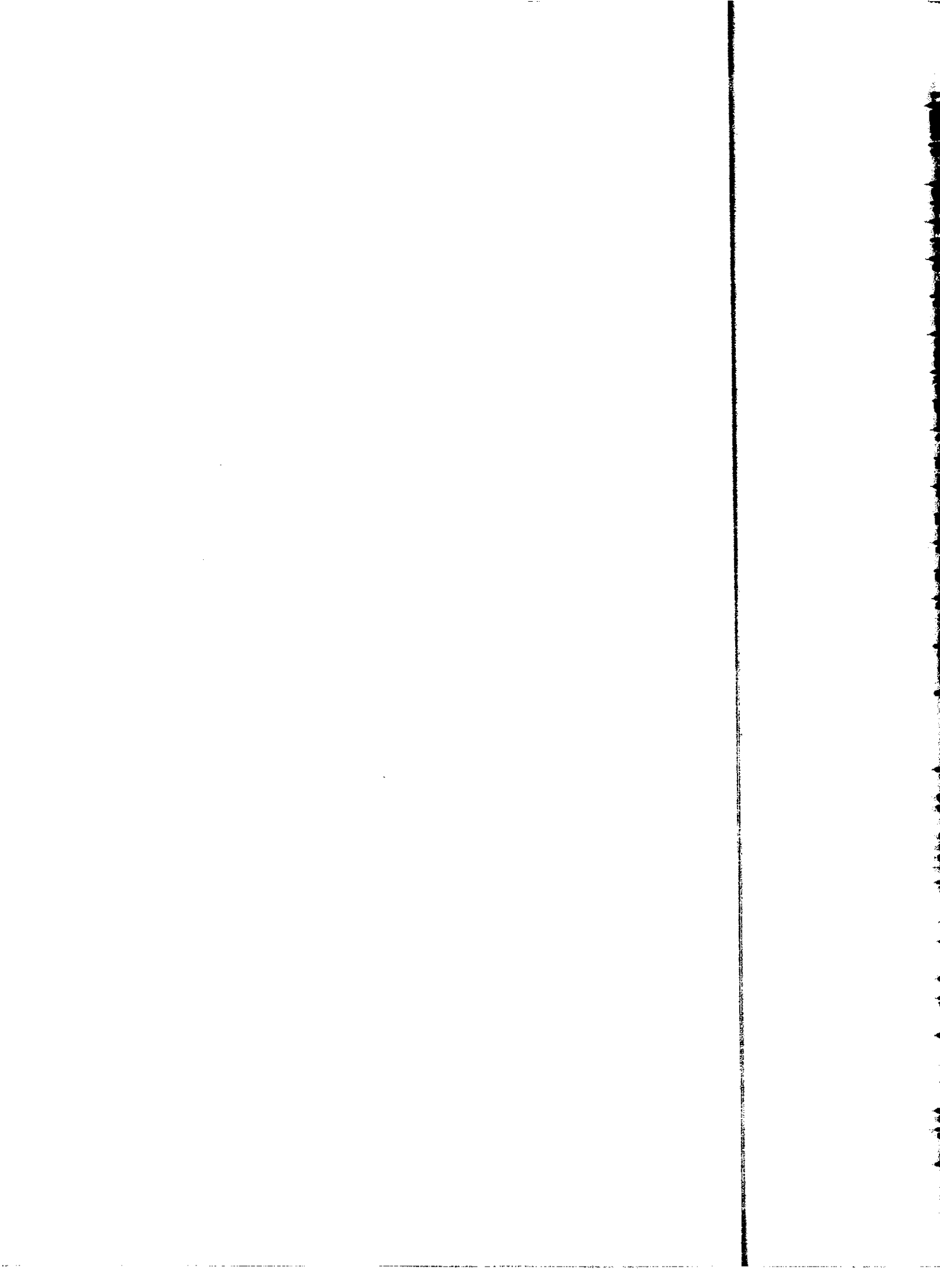
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9302; WITHIN CALIFORNIA CALL 1-800-952-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal law											
3. Generator's Name and Mailing Address						A. State Manifest Document Number 89463489													
4. Generator's Phone ()						B. State Generator's ID													
5. Transporter 1 Company Name			6. US EPA ID Number			C. State Transporter's ID 913520													
7. Transporter 2 Company Name						D. Transporter's Phone													
9. Designated Facility Name and Site Address			10. US EPA ID Number			E. State Transporter's ID													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste							
a.						No.		Type				State							
b.												EPA/Other							
c.												State							
d.												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																			
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 minimize 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									
17. Transporter 1 Acknowledgement of Receipt of Materials					Printed/Typed Name <i>John Schuller</i>					Signature <i>John Schuller</i>					Month Day 10/8/11				
18. Transporter 2 Acknowledgement of Receipt of Materials					Printed/Typed Name					Signature					Month Day				
19. Discrepancy Indication Space																			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19																			
Printed/Typed Name					Signature					Month Day									

GENERATOR

FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 4401010109200096131491		Manifest Document No. 6131491		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CITY OF OAKLAND EDIE 1111 CLAY ST OAKLAND CA. 94612						A. State Manifest Document Number 89463491							
4. Generator's Phone (415) 243-3492						B. State Generator's ID							
5. Transporter 1 Company Name STANCO			6. US EPA ID Number WAD10135479196			C. State Transporter's ID		D. Transporter's Phone					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address LISPOI GRASSY MTN FACILITY 3MI E. 7 MI N OF HWY 210 W KNOWLES, UT. PHOENIX, UTAH 84113						10. US EPA ID Number							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Waste No.	
a. HAZARDOUS WASTE SOLID MIX CRM E NH 9189						No. Type		900118		Y		State EPA/Other 611	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM P9-1580						K. Handling Codes for Wastes Listed Above							
						a.		b.		c.		d.	
15. Special Handling Instructions and Additional Information GLOVES RESPIRATOR TYPER SUIT													
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							
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed/Typed Name Corey A Wardlaw			Signature Corey A Wardlaw			Month Day Year 10/8/12/89				
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							

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 CY O. S. L. C. THE NATIONAL FIRE INSECTICIDE UNIT ER 1-800-24-8866, WITHIN CALIFORNIA CALL 1-800-652-7100

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YELLOW: GENERATOR RETAINS

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

GENERATOR

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA0999992609		Manifest Document No. 4315015		2. Page 1 of		Information in the sheet is not required by Federal law			
3. Generator's Name and Mailing Address City of Oakland ED+E 1417 Clay St. Oakland, Ca 94612						63493		A. State Manifest Document Number 8946349			
4. Generator's Phone (415) 272-3142						B. State Generator's ID					
5. Transporter 1 Company Name Stanco				6. US EPA ID Number CA09043747996		C. State Transporter's ID 909-		D. Transporter's Phone 900-7			
7. Transporter 2 Company Name				8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address USPFI Grassy Mt. Facility 2 mi E. Turn. N of HI + I80W Knolls, UT 84127						10. US EPA ID Number UT101919413917418		G. State Facility's ID			
						H. Facility's Phone 801 534-0054					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous Waste Solid NOS ORM-E NA 9189						001 DR 20018 Y				Stat EPA Stat EPA Stat EPA	
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed a. b. c. d.					
15. Special Handling Instructions and Additional Information Gloves, Respirator + Tyvek Suit											
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 believe to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Dennis Alexander					Signature Dennis Alexander						
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Dan Rose					Signature Dan Rose						
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name					Signature						
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						

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA990000912669/6351010		Manifest Document No. 63494		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CITY OF OAKLAND ED+E 1417 Clay St Oakland, CA 94612 DA						A. State Manifest Document Number 89463494							
4. Generator's Phone (415) 273-3692						B. State Generator's ID							
5. Transporter 1 Company Name STAMCO			6. US EPA ID Number 14AD19635479916			C. State Transporter's ID							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 800-759-4211							
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E, 7 mi. N of 41-290W Knolls, UT 84107			10. US EPA ID Number UTD9911301748			E. State Transporter's ID 908793							
						F. Transporter's Phone							
						G. State Facility's ID							
						H. Facility's Phone 801-534-0054							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Hazardous Waste Solid NOS ORM-E NA 9189						0191 DT		019918		Y		State 611 EPA/Other D008	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead contaminated soil						K. Handling Codes for Wastes Listed Above							
						a.		b.		c.		d.	
15. Special Handling Instructions and Additional Information Gloves, respirator + Tyvek suit													
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 Dennis Alexander			Signature Dennis Alexander			Month Day Year 08 15 89							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name FRANK T. DeLuz		Signature Frank T. DeLuz		Month Day Year 08 15 89			
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			

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA160000924669		Manifest Document No. 63495		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland ED+E 1417 Clay St. Oakland, Ca 94612						A. State Manifest Document Number 89463495			
4. Generator's Phone (415) 273-3692						B. State Generator's ID			
5. Transporter 1 Company Name Stamco						6. US EPA ID Number CAAD1063547996		C. State Transporter's ID 006430	
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 800-759-4211	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 + I 80 W Knolls, UT 84107						10. US EPA ID Number UT109913011748		E. State Transporter's ID	
								F. Transporter's Phone	
								G. State Facility's ID	
								H. Facility's Phone 801-534-0054	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous Waste Solid NOS ORM-E NA 9189				091 DT		00018 Y		I. Waste No. State 611 EPA/Other D008	
b.								State	
c.								EPA/Other	
d.								State	
								EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above			
						a.		b.	
						c.		d.	
15. Special Handling Instructions and Additional Information Gloves, Respirator + Tyvek suit									
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 Dennis Alexander				Signature Dennis Alexander				Month Day Year 10/15/89	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name RANDALL A MORSE				Signature Randall A Morse	
								Month Day Year 10/15/89	
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	

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USE CY C. ILL. CALL THE NATIONAL FIRE UNIFORMS ASSOCIATION FOR MORE INFORMATION CALL 1 800 352-7200

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000092669635100		Manifest Document No. 63496 DA.		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address City of Oakland ED+E 1417 Clay St. Oakland, Ca. 94612						A. State Manifest Document Number 89463496							
4. Generator's Phone (415) 273-3692						B. State Generator's ID							
5. Transporter 1 Company Name Stanco			6. US EPA ID Number CA00063547996			C. State Transporter's ID 007450		D. Transporter's Phone 800-759-4211					
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID					
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3mi. E. 7mi. N of 41 + I80 W Knolls, UT 84107						10. US EPA ID Number UT00991301748		G. State Facility's ID					
						H. Facility's Phone 801-534-0054							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Hazardous Waste Solid Nos ORM-E NA 9189						001 DT 00018 Y				State 611		EPA/Other D008	
b.										State		EPA/Other	
c.										State		EPA/Other	
d.										State		EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.							
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek suit													
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 Dennis Alexander						Signature Dennis Alexander			Month Day Year 10/15/89				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name C. L. Shepherd						Signature C. L. Shepherd			Month Day Year 10/8/89				
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							

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 GENERATOR
 TRANSPORTER
 FACILITY

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 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-852-7650
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

CA1C1000091216191434919

Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

CITY OF OAKLAND EDGE
 1417 CLAY ST OAKLAND CA 94612

A. State Manifest Document Number

89463499

B. State Generator's ID

4. Generator's Phone (415) 273-3692

5. Transporter 1 Company Name

STANICE

6. US EPA ID Number

10AD10013141719916

C. State Transporter's ID

908795

D. Transporter's Phone

800 759 4211

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

USPEL BRASSRY WITH FACIL.
 SHRE. 7 mi. N, OF 41 4 RDW
 KANAWES UT 84107 WTR10791131117148

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

801 534-0254

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. HAZARDOUS WASTE SOLID NOS
 ORNW - E NA 9194

12. Containers
 No. Type

201 DT 000118 Y

13. Total Quantity

14. Unit Wt/Vol

I. Waste No.

State 611

EPA/Other 2008

State

EPA/Other

State

EPA/Other

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

GM - 39-1580
 Lead Contaminated Soil

K. Handling Codes for Wastes Listed Above

a. b. c. d.

15. Special Handling Instructions and Additional Information

GLOVES, RESPIRATOR + THER SUIT

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

Dennis Alexander

Signature

Dennis Alexander

Month Day Year

10/8/15/89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Ken Benson

Signature

Ken Benson

Month Day Year

10/8/15/89

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

YELLOW: GENERATOR RETAINS

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89463500

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 9020092669	Manifest Document No. 63507	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address CITY OF OAKLAND EDIE 1417 CLAY ST. OAKLAND, CA 94612				A. State Manifest Document Number 89463500			
4. Generator's Phone (415) 273-3692				B. State Generator's ID			
5. Transporter 1 Company Name STAMCO		6. US EPA ID Number CA D1063547996		C. State Transporter's ID 900760			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-759-4211			
9. Designated Facility Name and Site Address USPCL GRASSY MT. FACILITY 3 mi E, 7 mi N of H 41+180W KNOWLES, UT 84107 UT D99113011748				E. State Transporter's ID			
10. US EPA ID Number				F. Transporter's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				G. State Facility's ID			
a. Hazardous Waste Solid NIOS ORM-E KIA 9184 69/DT00018Y				12. Containers			
				No.		Type	
				13. Total Quantity		14. Unit Wt./Vol	
				State		EPA/Other	
				Waste No.		State	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Gloves, Respiration, Tyvek suit				a.			
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.				b.			
Printed/Typed Name SEAN O. CARSON		Signature <i>Sean Carson</i>		Month Day Year 10/1/89			
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name JILL JENSEN		Signature <i>Jill Jensen</i>		Month Day Year 10/1/89			
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			

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

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89682814
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address City of Oakland EOTE 1417 21st St. Oakland CA 94612						A. State Manifest Document Number 89682814							
4. Generator's Phone 415 273-3692						B. State Generator's ID							
5. Transporter 1 Company Name Stanco			6. US EPA ID Number CA10106B15H79916			C. State Transporter's ID		D. Transporter's Phone (800) 359-4221					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address USPCI GRASSY MTN FACIL 3mi. E, 7mi. N. OF 41st & 180W KNOLLS UT 84107						10. US EPA ID Number UT10991B101748(801) 534-0054							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Hazardous Waste Solid NOS ORM-E NA 9189						No. Type		Quantity		Wt/Vol		State EPA/Other	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information Gloves, respirator + Tyvek Suit						a. b. c. d.							
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 Dennis Alexander				Signature Dennis Alexander				Month Day 10/11/81					
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name P. ...				Signature				Month Day 10/11/81					
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				Month Day					
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19													
Printed/Typed Name				Signature				Month Day					

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C00010926698R18115		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address City of Oakland EDTE 1417 Clay St. Oakland Ca. 94612						A. State Manifest Document Number 89682815											
4. Generator's Phone (415) 273-3692						B. State Generator's ID											
5. Transporter 1 Company Name Stamco			6. US EPA ID Number CA1D06135479916			C. State Transporter's ID 104718		D. Transporter's Phone (800) 759-4211									
7. Transporter 2 Company Name						E. State Transporter's ID		F. Transporter's Phone									
9. Designated Facility Name and Site Address USOCI Grassy Mt. Facil. 3 mi E, 7 mi N, of 41 & 180 W Knolls VT 84107						10. US EPA ID Number UTD991301748		G. State Facility's ID									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) USOCI Grassy Hazardous Waste, Solid NOS ORM-F-NA 9189						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
						No.		Type						State CA		EPA/Other D008	
														State		EPA/Other	
														State		EPA/Other	
														State		EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.											
15. Special Handling Instructions and Additional Information Gloves, respirator - Tyvek Suit																	
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 Dennis Alexander					Signature Dennis Alexander					Month Day Year 10/15/89							
17. Transporter 1 Acknowledgement of Receipt of Materials																	
Printed/Typed Name LARRY STEPHENSON					Signature Larry Stephenson					Month Day Year 10/15/89							
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							

89-0028-3
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7560

GENERATOR
TRANSPORTER
FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

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89682816
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC00010921669828116		Manifest Document No.		2. Page 1 of		Information in the shaded area is not required by Federal law.	
		3. Generator's Name and Mailing Address CITY OF OAKLAND EDTE 1417 Oak St. Oakland Ca 94612				A. State Manifest Document Number 89682816		B. State Generator's ID	
4. Generator's Phone (415) 273-3692		5. Transporter 1 Company Name Stamco		6. US EPA ID Number CA100163547996		C. State Transporter's ID 909701		D. Transporter's Phone (800) 754-1	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID	
9. Designated Facility Name and Site Address USPT GROSSY MTN Fac 1. 3mi E, 7mi N of 41-180W KNOIS UT 84107		10. US EPA ID Number MTD9911301748		H. Facility's Phone (801) 534-0054					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous waste solid NOS ORM-E-NA 9189				No. 0101 DT		Type 190119		State 61	
b.								EPA/Other DOO	
c.								State	
d.								EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead contaminated Soil						K. Handling Codes for Wastes Listed Above			
						a.		b.	
						c.		d.	
15. Special Handling Instructions and Additional Information Gloves, respirator, Tyvek suit									
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 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 Dennis Alexander				Signature <i>Dennis Alexander</i>				Month Day	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name James				Signature <i>James</i>				Month Day 12/11/88	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name				Signature				Month Day	

FACILITY

Do Not Write Below This Line

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89682817
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland EDTE 1477 Clay St Oakland CA 94612		6. US EPA ID Number CA10101009016149		8. US EPA ID Number CA10101009016149		A. State Manifest Document Number 89682817		B. State Generator's ID	
4. Generator's Phone 415-273-3692		7. Transporter 1 Company Name Stamco		8. US EPA ID Number CA10101009016149		C. State Transporter's ID 900-000		D. Transporter's Phone 800-759-44	
9. Designated Facility Name and Site Address USPCI Grassy Mtn Facil 3mi E, 7mi N, of 41+180W KINGS UT 84107		10. US EPA ID Number WA10101009016149		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Hazardous waste solid NOS ORM-E-NA-9189		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No. State EPA/Other State EPA/Other State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil		K. Handling Codes for Wastes Listed Above a. b. c. d.		15. Special Handling Instructions and Additional Information Gloves, respirator, + Tyvek Suit		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 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	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Signature Month Day		18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name Signature Month Day		19. Discrepancy Indication Space	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name Signature Month Day		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		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.	

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA000092161695213112**

Manifest Document No. **5213112**

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

**CITY OF OAKLAND ED+E
 1417 CLAY ST OAKLAND CA 94612**

A. State Manifest Document Number
89682818

B. State Generator's ID

4. Generator's Phone

(415) 273-3692

C. State Transporter's ID **1042243**

D. Transporter's Phone **300-759-42**

5. Transporter 1 Company Name

STAMCO

6. US EPA ID Number

CA000163547996

E. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

9. US EPA ID Number

9. Designated Facility Name and Site Address

**USPFI GRASSY Mtn FACIL.
 3mi E, 7mi N of 41+130W
 ELVERA, CA 94107**

10. US EPA ID Number

WTR19911301748

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

801-534-0054

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

**Hazardous Waste Solid NOS
 OR M-E-NA 9189**

12. Containers
 No. Type

0121/DT 020118 Y

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

State **611**
 EPA/Other **0008**
 State
 EPA/Other
 State
 EPA/Other
 State
 EPA/Other

J. Additional Descriptions for Materials Listed Above

**GM-89-1580
 Lead Contaminated Soil**

K. Handling Codes for Wastes Listed Above

a. b. c. d.

15. Special Handling Instructions and Additional Information

Gloves, respirator, Tyvek suit

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

Donna Alvarado

Signature

[Signature]

Month Day Year

12/31/99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Steve Alvarado

Signature

[Signature]

Month Day Year

12/31/99

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

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

89682818

GENERATOR

FACILITY

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YELLOW: GENERATOR RETAINS

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89682819
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C10001092166982819		Manifest Document No. 89682819		2. Page 1 of _____		Information in the _____ is not required by _____		
3. Generator's Name and Mailing Address CITY OF OAKLAND ED+E 1417 CLAY ST OAKLAND CA 94612						A. State Manifest Document Number 89682819				
4. Generator's Phone 415 273-3692						B. State Generator's ID				
5. Transporter 1 Company Name Stamco			6. US EPA ID Number CA1D063547996			C. State Transporter's ID		D. Transporter's Phone (800) 715-8607		
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone		
9. Designated Facility Name and Site Address USPCI GRASSY M+N FACIL 3 MI E, 7 MI N, OF 41+180 W KATHS UT 84107						10. US EPA ID Number UT1D991301748				
9. Designated Facility Name and Site Address						G. State Facility's ID		H. Facility's Phone (801) 534-005		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)							12. Containers No.	13. Total Quantity	14. Unit (Wt/Vol)	15. State
a. Hazardous waste Solid NOS ORM-E-NA 9189							1	11	118 Y	EP
b.										Sta
c.										EP
d.										Sta
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead contaminated soil							K. Handling Codes for Wastes Listed			
							a.		b.	
							c.		d.	
15. Special Handling Instructions and Additional Information Gloves, respirator, Tyvek Suit.										
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 believe to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name Dennis Alexander						Signature <i>Dennis Alexander</i>				
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name <i>[Signature]</i>						Signature <i>[Signature]</i>				
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name						Signature				
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				

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682822
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No	Manifest Document No.	2. Page 1 of	Information in the blank is not required by Federal law
3. Generator's Name and Mailing Address City of Oakland ED+E 1417 clay ST Oakland Ca 94612		CA 1601001091216191912181212		A. State Manifest Document Number 89682822	
4. Generator's Phone 415 273-3692		6. US EPA ID Number CA1601001091216191912181212		B. State Generator's ID	
5. Transporter 1 Company Name Stamco		8. US EPA ID Number		C. State Transporter's ID 2022	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (800)-	
9. Designated Facility Name and Site Address USPCI Grassymtn Facilit. 3 mi E, 7 mi N of 41+180W UT 84107		10. US EPA ID Number UT10991130117HE		E. State Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	
a. Hazardous waste Solid NOS ORM-E-NA 9189		0101 DT 009118 Y		14. Unit Wt/Vol	
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead contaminated soil		K. Handling Codes for Wastes Listed		a. b. c. d.	
15. Special Handling Instructions and Additional Information Gloves, respirator, Tyvek Suit					
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 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 believe to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Dennis Alexander		Signature Dennis Alexander			
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name [Signature]		Signature [Signature]			
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature			
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			

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

89682824
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA101010109216164		Manifest Document No. 5121214		2. Page 1 of		Information in the is not required by F			
3. Generator's Name and Mailing Address City of Oakland EDIE 1417 Clay St. Oakland Ca 94612						A. State Manifest Document Number 896828					
4. Generator's Phone (415) 773-2292						B. State Generator's ID					
5. Transporter 1 Company Name Storero			6. US EPA ID Number CA1010101015417191916			C. State Transporter's ID		D. Transporter's Phone 800-			
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address USPCI GRASSY MTN FACIL. 3 mi E, 7 mi N, of 414 180W UT 24107						10. US EPA ID Number UT1019191130117148					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous Waste Solid NOS ORM-E-NA 9199						1		DT		01010118 Y	
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above GM-89-1580 Lead Contaminated Soil						K. Handling Codes for Wastes Listed a. b. c. d.					
15. Special Handling Instructions and Additional Information Gloves, respirator + Tyvek Suit											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper labels 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 find to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which will minimize 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 waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name Dennis Alexander						Signature Dennis Alexander					
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature					
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					

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland ED+E 1417 Clay St Oakland, Ca. 94612		101A1010101912161619		A. State Manifest Document Number 89682825		
4. Generator's Phone (415) 273-3192		6. US EPA ID Number 101A10101013151217191916		B. State Generator's ID		
5. Transporter 1 Company Name Stamco		8. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone (800) 759-4211		
9. Designated Facility Name and Site Address USPCI GRASSY MTH. FACIL 3 mi E, 7 mi N of 414 180 W CLIVE HT 94107		10. US EPA ID Number 101T10191911131011171416		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (801) 534-0054		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. Hazardous Waste Solid NOS ORM-E-NA 9189		No. Type				State 611 EPA/Other 0008
b.						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above GM-89-158C Lead Contaminated Soil		K. Handling Codes for Wastes Listed Above		a.		b.
				c.		d.
15. Special Handling Instructions and Additional Information Gloves, Respirator, + Tyvek Suit						
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 Dennis Alexander		Signature Dennis Alexander		Month Day Year 10/21/1989		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
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		

89682825
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-527-7599

GENERATOR

TRANSPORTER

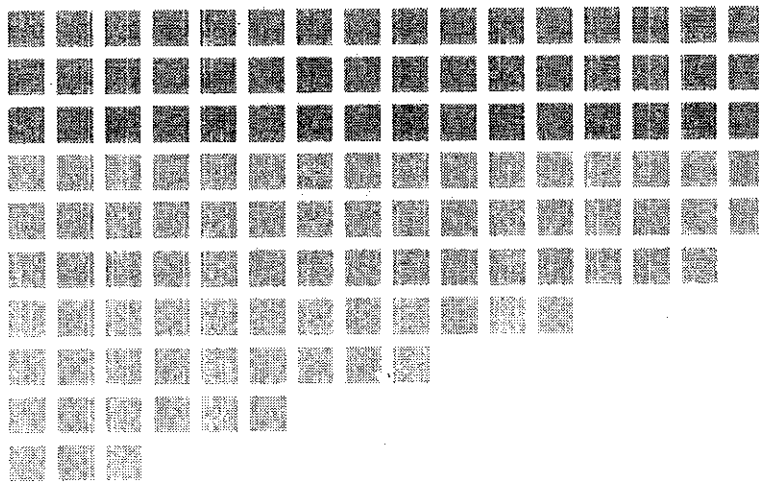
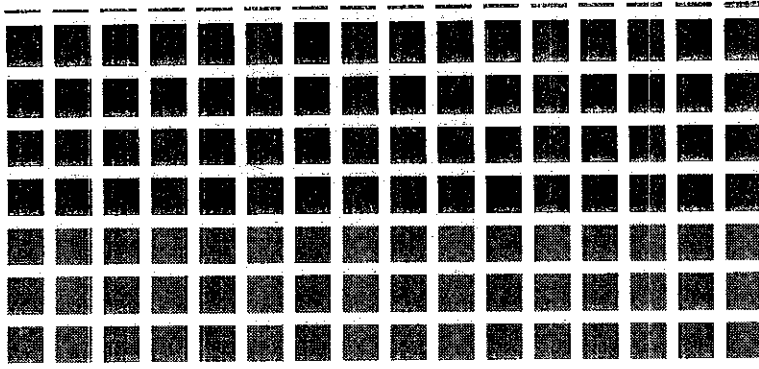
FACILITY

Please print or type. (Form designed for use on elite (12-pitch typewriter))

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1A1B1D1G13151417191916		Manifest Document No. 812826		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address City of Oakland EDGE 1417 Clay Street, Oakland, CA 94612						A. State Manifest Document Number 89682826			
4. Generator's Phone (415) 775-3692						B. State Generator's ID			
5. Transporter 1 Company Name Stamps			6. US EPA ID Number CA1A1B1D1G13151417191916			C. State Transporter's ID 005141		D. Transporter's Phone 800-759-4211	
7. Transporter 2 Company Name						E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address USPCI Grassy Mt. Facility 3 mi. E. 7 mi. N of 41 & 180 W. Knolls, IN 84707						10. US EPA ID Number IN1D1G131514171918		G. State Facility's ID	
						H. Facility's Phone 801-524-0054			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Hazardous Waste Solid NOS ORNL-BA 9189								I. Waste No. State 699 EPA/Other State 0008 EPA/Other State EPA/Other	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
J. Additional Descriptions for Materials Listed Above GM-89-1586 Lead Contaminated Soil						K. Handling Codes for Wastes Listed Above a. b. c. d.			
15. Special Handling Instructions and Additional Information Gloves, Respirator & Tyvek Suit									
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 Dennis Alexander				Signature Dennis Alexander				Month Day Year 10/8/1989	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Fred...				Signature Fred...				Month Day Year 10/9/1989	
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	

89582826
 GENERATOR
 TRANSPORTER
 FACILITY

Do Not Write Below This Line



12-6-90


■ Subsurface Consultants, Inc.

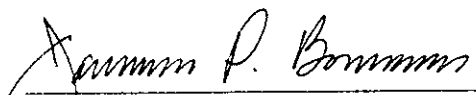
CLOSURE REPORT
GASOLINE CONTAMINATED SOIL
REMEDICATION
13TH AND JEFFERSON STREETS
OAKLAND, CALIFORNIA
SCI 430.003

Prepared for:

Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, California 94612

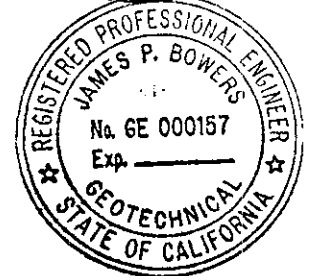
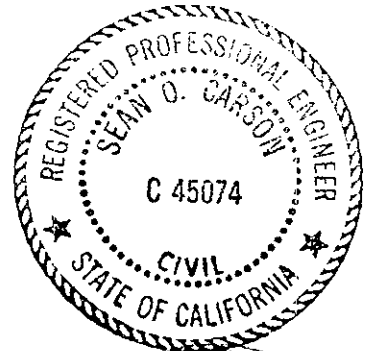
By:


Sean O. Carson
Civil Engineer 45074 (expires 3/31/94)


James P. Bowers
Geotechnical Engineer 157 (expires 3/31/91)

Subsurface Consultants, Inc.
171 12th Street, Suite 201
Oakland, California 94607
(415) 268-0461

December 6, 1990



I INTRODUCTION

This report records the results of remediation activities for gasoline contaminated soils at 13th and Jefferson Streets in Oakland, California. Soil contamination resulted from the leakage of one or more underground gasoline storage tanks. The contamination was first encountered during a preliminary environmental assessment (PEA) performed by Subsurface Consultants, Inc. (SCI). The results of this study were recorded in a report dated September 14, 1988. During the PEA, no tanks were found; however, sandy backfill was encountered beneath the sidewalk near the northwest corner of the intersection of 13th and Jefferson Streets. The highest concentrations of gasoline contamination were located beneath this sandy area. Another area which appeared to contain sandy tank backfill was located on the southwest corner of the intersection. Soil contamination concentrations were also significant beneath this area.

A gasoline contamination assessment was subsequently conducted, the results of which were recorded in a report dated August 22, 1989. The assessment revealed that gasoline contamination extended to groundwater (approximately 28 feet deep) and had migrated laterally toward the west.

Approximately 19,000 cubic yards of clean and contaminated soil were excavated during remediation efforts. Non-contaminated soils, herein referred to as clean soils, were stockpiled

separately from the contaminated materials. The contaminated soils were aerated on-site until total volatile hydrocarbon (TVH) concentrations were less than 100 parts per million (ppm), and then disposed of off-site at a sanitary landfill. The excavation was then backfilled with the stockpiled clean soils, as well as imported materials. SCI observed backfilling operations and tested fill compaction.

II SOIL EXCAVATION

Excavation was performed by Hazardous Substance Removal, Inc. (HSR), a California licensed hazardous materials contractor. Contaminated soil was excavated using a track-mounted loader and an excavator. The lateral and vertical extent of contamination was initially defined by our investigation and further refined during remediation. Contaminated soils were excavated to the lateral extent shown on Plate 1, and to depths of approximately 28 to 34 feet below street grades. Upon completion of excavation, the bottom elevations were determined by a level survey using an assumed bench mark. Excavation depths are shown on Plate 3. The excavation extended eastward beneath Jefferson Street, as far as underground utilities would permit. The excavation extended several feet below groundwater.

During excavation, three underground fuel storage tanks were encountered beneath Jefferson Street. The locations of the tanks are shown on the Site Plan, Plate 1. Minor oil and grease

contamination resulted from the tanks. Further study revealed that these tanks were unrelated to the gasoline contamination problem being remediated. The tanks were removed under the control of the Oakland Fire Department and the Alameda County Department of Environmental Health. A closure report for these tanks was prepared by SCI and is dated September 25, 1990.

Two water wells and a brick lined well were also encountered during excavation. Their locations are shown on Plate 1. The water wells were abandoned, under permit with Alameda County Flood Control and Water Conservation District - Zone 7. A closure report was prepared by SCI; it is dated June 13, 1990. The brick lined well was removed during excavation.

III CONFIRMATION SAMPLING

Upon completion of excavation, 15 soil samples were obtained from the bottom of the excavation and 20 samples were taken from the excavation sidewalls to check that the contaminated soils were removed. The soil samples were analyzed for TVH and benzene, toluene, xylene and ethylbenzene (BTXE). The analytical test results are presented in Table 1 and on Plate 2. The results indicated that the soils exposed at the bottom of the excavation contained no detectable concentrations of gasoline (TVH); only very low concentrations of BTXE were detected at isolated locations beyond the excavation limits. The side wall samples also contained no TVH or BTXE concentrations above the analytical detection

limits, except along the east wall. Along this side of the excavation, very low concentrations of BTXE were detected. The analytical results for the confirmation samples are summarized on Plate 2.

Table 1. CONTAMINANT CONCENTRATIONS IN SOIL FOLLOWING REMEDIATION

<u>Sample Designation</u>	<u>TVH¹ (mg/kg)²</u>	<u>Benzene (ug/kg)³</u>	<u>Toluene (ug/kg)</u>	<u>Ethyl Benzene (ug/kg)</u>	<u>Total Xylene (ug/kg)</u>
B 1 @ 26'	ND ⁴	ND	ND	ND	ND
B 2 @ 26'	ND	ND	ND	ND	ND
B 3 @ 26'	ND	15	15	ND	13
B 4 @ 26'	ND	ND	ND	ND	8
B 5 @ 34'	ND	ND	ND	ND	ND
B 6 @ 30'	ND	ND	ND	ND	ND
B 7 @ 26'	ND	ND	ND	ND	ND
B 8 @ 30'	ND	ND	ND	ND	8
B 9 @ 30'	ND	ND	ND	ND	ND
B10 @ 26'	ND	ND	ND	ND	ND
B11 @ 30'	ND	ND	ND	ND	ND
B12 @ 30'	ND	ND	ND	ND	ND
B13 @ 30'	ND	ND	ND	ND	ND
B14 @ 30'	ND	ND	ND	ND	ND
B15 @ 30'	ND	ND	ND	ND	ND
NW3 @ 26'	ND	ND	ND	ND	ND
NW4 @ 26'	ND	ND	ND	ND	ND
NW5 @ 26'	ND	ND	ND	ND	ND
SW1 @ 25'	ND	ND	10	ND	5
SW2 @ 25'	ND	ND	ND	ND	ND
WW1 @ 25'	ND	ND	ND	ND	ND
WW2 @ 25'	ND	ND	ND	ND	ND
WW3 @ 25'	ND	ND	ND	ND	ND
WW4 @ 26'	ND	ND	ND	ND	ND
WW5 @ 26'	ND	ND	ND	ND	ND
WW6 @ 27'	ND	ND	ND	ND	ND
WW7 @ 28'	ND	ND	ND	ND	ND
EW1 @ 25'	ND	ND	ND	ND	ND
EW2 @ 25'	TR ⁵	18	26	71	63
EW3 @ 25'	ND	ND	ND	20	57
EW4 @ 25'	ND	ND	ND	ND	ND
EW5 @ 26'	ND	ND	ND	ND	6.1
EW6 @ 26'	ND	ND	ND	ND	ND

-
1. TVH = Total volatile hydrocarbons as gasoline
 2. mg/kg = milligrams per kilogram or parts per million (ppm)
 3. ug/kg = micrograms per kilogram or parts per billion (ppb)
 4. ND = Not detected at concentrations above detection limits, see test reports for detection limits
 5. TR = Trace concentrations detected

Soil samples from the bottom and sides of the excavation were obtained using the following procedures:

Approximately 3 inches of soil were removed from the exposed surface and a pre-cleaned brass sample liner was driven into the soil with a rubber mallet. The liner was removed and the ends were covered with Teflon sheeting, capped, wrapped with tape and labelled. Samples were promptly placed in an ice-filled cooler and transferred to the analytical laboratory.

Chain-of-Custody Records accompanied all samples; copies of which are presented in the Appendix. Sampling locations are shown on Plate 1.

Analytical testing was performed by Curtis & Tompkins, Ltd., a DHS certified laboratory. The analytical tests were directed toward materials contaminated with gasoline and its constituents. The analyses included:

1. Total volatile hydrocarbons (TVH), sample preparation using EPA Method 5030 (purge and trap) and analysis using EPA Method 8015 (gas chromatograph coupled to a flame ionization detector),
2. Benzene, toluene, xylene, ethylbenzene (BTXE), sample preparation using EPA Method 5030 (purge and trap) and analysis using EPA Method 8020 (gas chromatograph coupled to a photo ionization detector).

VI SOIL AERATION

The contaminated soil was excavated, stockpiled separately from non-contaminated soils, and covered with an impermeable membrane. Samples of the contaminated soils were obtained, composited and analytically tested to determine TVH concentrations prior to aeration. Analytical test results for the composited samples are presented in Table 2. Analytical test reports are presented in the Appendix.

The contaminated soils were aerated according to rates required by the Bay Area Air Quality Management District (BAAQMD). During aeration, the contaminated soils were spread in thin layers and frequently turned until organic vapor measurements and odors were non-detectable. At that time, discrete samples were obtained of the aerated soil and analyzed for TVH. Analytical test reports are presented in the Appendix. The analytical results are summarized in Table 3.

Table 2. PRE-AERATION CONTAMINANT CONCENTRATIONS IN COMPOSITE SAMPLES

<u>Sample Designation</u>	<u>TVH¹ (ppm)²</u>
A-1	87
A-2	27
A-3	22
A-4	160
A-5	ND ³
A-6	30
A-7	15
A-8	ND
A-9	ND
A-10	220
A-11	10
A-12	ND
A-13	ND
A-14	310
A-15	320
A-16	ND
A-17	44
A-18	14
A-19	48
A-20	69
A-21	TR
A-22	22
A-23	ND
A-24	17
A-25	15
A-26	12
A-27	60
A-28	29
A-29	15
A-30	ND
A-31	ND
A-32	ND
A-33	ND
A-34	ND
A-35	22
A-36	57
A-37	13
A-38	ND
A-39	ND
A-40	ND
A-41	640
A-42	15
A-43	190
A-44	510
A-45	130
A-46	260
A-47	210
A-48	110
A-49	220
A-50	160

¹ TVH = Total volatile hydrocarbons as gasoline; EPA 8015/5030

² ppm = parts per million = mg/kg

³ ND = None detected

Table 3. POST-AERATION CONTAMINANT CONCENTRATIONS

<u>Sample</u>	<u>TVH¹</u> <u>(ppm)²</u>	<u>Benzene</u> <u>(ppb)³</u>	<u>Toluene</u> <u>(ppb)</u>	<u>Ethyl</u> <u>Benzene</u> <u>(ppb)</u>	<u>Total</u> <u>Xylene</u> <u>(ppb)</u>
PA-1	ND ⁴	ND	ND	ND	ND
PA-2	ND	ND	ND	ND	ND
PA-3	ND	ND	ND	ND	ND
PA-4	ND	ND	ND	ND	ND
PA-5	ND	ND	ND	ND	ND
PA-6	ND	ND	ND	ND	ND
PA-7	ND	ND	ND	ND	ND
PA-8	ND	ND	ND	ND	ND
PA-9	ND	ND	ND	ND	ND
PA-10	ND	ND	ND	ND	ND
PA-11	ND	ND	ND	ND	ND
PA-12	ND	ND	ND	ND	ND
PA-13	ND	ND	ND	ND	ND
PA-14	ND	ND	ND	ND	ND
PA-15	ND	ND	ND	ND	ND
PA-16	ND	ND	ND	ND	ND
PA-17	ND	ND	ND	ND	ND
PA-18	ND	ND	ND	ND	ND
PA-19	ND	ND	ND	ND	ND
PA-20	ND	ND	ND	ND	ND
PA-21	ND	ND	ND	ND	ND
PA-22	ND	ND	ND	ND	ND
PA-23	ND	ND	17	ND	ND
PA-23B	ND	28	46	ND	42
PA-24	ND	ND	ND	ND	ND
PA-25	ND	ND	ND	ND	ND
PA-26	ND	ND	ND	ND	ND
PA-27	ND	ND	ND	ND	ND
PA-28	ND	ND	ND	ND	ND
PA-29	ND	ND	ND	ND	ND
PA-29B	ND	29	31	ND	ND
PA-29C	ND	ND	ND	ND	ND
PA-30	ND	ND	5	ND	7.5
PA-30B	ND	17	ND	ND	ND
PA-30C	ND	ND	ND	ND	ND
PA-31	ND	ND	ND	ND	ND
PA-31B	ND	16	ND	ND	ND
PA-31C	ND	ND	ND	ND	ND
PA-32	ND	ND	ND	ND	ND
PA-32B	ND	32	ND	ND	ND
PA-32C	ND	ND	ND	ND	ND
PA-33	ND	ND	ND	ND	ND
PA-33B	ND	20	ND	ND	ND
PA-33C	ND	ND	ND	ND	ND
PA-34	ND	ND	ND	ND	ND

Table 3 (continued)

<u>Sample</u>	<u>TVH¹</u> <u>(ppm)²</u>	<u>Ethyl</u> <u>Benzene</u> <u>(ppb)³</u>	<u>Total</u> <u>Toluene</u> <u>(ppb)</u>	<u>Benzene</u> <u>(ppb)</u>	<u>Xylene</u> <u>(ppb)</u>
PA-35	ND	45	94	65	380
PA-35B	ND	26	ND	ND	15
PA-36	ND	20	37	ND	ND
PA-36B	ND	ND	5.5	ND	ND
PA-37	ND	21	39	ND	26
PA-37B	ND	ND	8.8	ND	ND
PA-38	ND	7	11	ND	ND
PA-38B	ND	ND	ND	ND	ND
PA-39	ND	20	37	ND	ND
PA-39B	ND	ND	ND	ND	ND
PA-40	ND	18	32	ND	11
PA-41	ND	ND	ND	ND	ND
PA-42	ND	ND	ND	ND	ND
PA-43	ND	ND	ND	ND	ND
PA-44	ND	ND	ND	ND	ND
PA-45	ND	ND	25	ND	ND
PA-46	ND	ND	ND	ND	ND
PA-47	ND	ND	ND	ND	ND
PA-48	ND	ND	ND	ND	ND
PA-49	ND	ND	5.7	ND	ND
PA-50	ND	ND	10	ND	ND
PA-51	ND	ND	13	ND	ND
PA-52	ND	ND	11	ND	ND
PA-53	ND	ND	8	ND	ND
PA-54	ND	ND	ND	ND	ND
PA-55	ND	ND	8.2	ND	ND
PA-56	ND	ND	ND	ND	ND
PA-57	ND	ND	46	ND	ND
PA-58	ND	ND	110	ND	ND
PA-59	ND	ND	35	ND	ND
PA-60	ND	ND	49	ND	ND
PA-61	ND	ND	ND	ND	ND
PA-62	ND	ND	ND	ND	ND
PA-63	ND	ND	27	ND	ND
PA-64	ND	ND	ND	ND	ND
PA-65	ND	ND	44	ND	16
PA-67	ND	ND	ND	ND	ND
PA-68	ND	ND	ND	ND	ND
PA-69	ND	ND	ND	ND	ND
PA-70	ND	ND	21	16	30
PA-71	ND	ND	8.5	ND	ND
PA-72	ND	ND	ND	ND	5.3
PA-73	ND	ND	ND	ND	6.8
PA-74	ND	15	13	ND	11
PA-75	ND	ND	ND	ND	ND
PA-76	ND	ND	8	ND	ND

Table 3 (continued)

<u>Sample</u>	<u>TVH¹</u> <u>(ppm)²</u>	<u>Benzene</u> <u>(ppb)³</u>	<u>Toluene</u> <u>(ppb)</u>	<u>Ethyl</u> <u>Benzene</u> <u>(ppb)</u>	<u>Total</u> <u>Xylene</u> <u>(ppb)</u>
PA-77	ND	ND	ND	9	28
PA-78	ND	ND	ND	ND	5.5
PA-79	ND	12	12	ND	6.5
PA-80	ND	12	9.5	ND	ND
PA-81	ND	ND	14	ND	41
PA-82	ND	ND	ND	ND	6.8
PA-83	ND	ND	3.3	ND	Trace
PA-84	ND	ND	ND	ND	3.5
PA-85	ND	ND	ND	ND	4.3
PA-86	ND				
PA-87	ND				
PA-88	ND				
PA-89	ND				
PA-90	ND				
PA-91	ND	ND	ND	ND	5.5
PA-92	ND	ND	ND	ND	21
PA-93	ND	ND	ND	ND	ND
PA-94	ND	ND	ND	ND	7
PA-95	ND	ND	ND	ND	ND
PA-96	ND	ND	ND	ND	ND
PA-97	ND	ND	ND	ND	13
PA-98	ND	ND	ND	ND	43
PA-99	ND	ND	ND	ND	6.3
PA-100	ND	ND	5	ND	77
PA-101	ND	ND	8.5	ND	20
PA-102	ND	ND	3.8	ND	ND
PA-103	ND	ND	4.9	ND	ND
PA-104	ND	ND	ND	ND	ND
PA-105	ND	ND	5.3	ND	11
PA-106	ND	ND	4.9	ND	5.2
PA-107	ND	ND	ND	ND	2.9
PA-108	2.1	ND	24	20	62
PA-109	ND	ND	ND	ND	ND
PA-110	ND	ND	ND	ND	13
PA-111	5.3	ND	7.5	7.5	16
PA-112	4.6	ND	13	14	60
PA-113	14	ND	ND	11	72
PA-114	ND	ND	ND	ND	11
PA-115	2.2	ND	ND	ND	38
PA-116	7.4	ND	42	33	330
PA-117	15	ND	6.8	43	320
PA-118	16	ND	ND	66	680
PA-119	25	ND	81	130	450
PA-120	23	ND	82	120	1,100
PA-121	2.2	ND	4.9	ND	22
PA-122	ND	ND	ND	ND	ND

Table 3 (continued)

<u>Sample</u>	<u>TVH¹</u> <u>(ppm)²</u>	<u>Benzene</u> <u>(ppb)³</u>	<u>Toluene</u> <u>(ppb)</u>	<u>Ethyl</u> <u>Benzene</u> <u>(ppb)</u>	<u>Total</u> <u>Xylene</u> <u>(ppb)</u>
PA-123	ND	ND	ND	ND	ND
PA-124	Trace	ND	ND	ND	11
PA-125	2.4	3.9	5.7	11	39
PA-126	ND	2.6	2.6	ND	6.8
PA-127	3.7	4.6	12	12	52
PA-128	1	3	2.8	16	12
PA-129	1.2	3.5	ND	Trace	14
PA-130	2.4	2.9	3.5	3	20
PA-131	4.7	3.8	13	12	62
PA-132	6.3	8.3	26	19	140
PA-133	3	15	19	6	38
PA-134	1	ND	ND	ND	22
PA-135	ND	ND	ND	ND	14
PA-136	ND	ND	ND	ND	5.4
PA-137	ND	ND	ND	ND	6.9
PA-138	3.4	ND	36	18	44
PA-139	1.8	7.4	14	9	27
PA-140	ND	ND	ND	ND	13
PA-141	ND	ND	ND	ND	19
PA-142	1.1	ND	ND	ND	28
PA-143	ND	ND	ND	ND	13
PA-144	19	ND	ND	ND	32
PA-145	2.2	ND	ND	ND	8.4
PA-146	1.8	ND	ND	ND	24
PA-147	10	8.2	ND	32	350
PA-148	7.5	ND	10	16	140
PA-149	4.9	8.5	ND	14	80
PA-150	1	4	6.4	2.7	12
PA-151	1.1	3.5	8.5	ND	11
PA-152	3.3	ND	8.3	6	27
PA-153	3.1	10	14	6.9	30
PA-154	5.4	ND	7.4	7.8	62
PA-155	ND	ND	11	ND	ND
PA-156	ND	ND	ND	ND	6
PA-157	1.3	ND	15	ND	17
PA-158	2.9	ND	20	11	65
PA-159	1.9	ND	6.2	7.5	25
PA-160	2.4	ND	15	9.3	48
PA-161	ND	ND	ND	ND	ND
PA-162	ND	ND	ND	ND	ND
PA-163	ND	ND	ND	ND	ND

Table 3 (continued)

<u>Sample</u>	<u>TVH¹</u> <u>(ppm)²</u>	<u>Benzene</u> <u>(ppb)³</u>	<u>Toluene</u> <u>(ppb)</u>	<u>Ethyl</u> <u>Benzene</u> <u>(ppb)</u>	<u>Total</u> <u>Xylene</u> <u>(ppb)</u>
PA-164	ND	ND	ND	ND	ND
PA-165	ND	ND	ND	ND	ND
PA-166	ND	ND	ND	ND	ND
PA-167	ND	ND	ND	ND	ND
PA-168	5.2	ND	20	24	73
PA-169	ND	ND	ND	ND	ND
PA-170	4.6	ND	12	19	61

After TVH levels for the aerated soil were reduced to acceptable concentrations, the soil was disposed of off-site at the Redwood Sanitary Landfill, a Class III landfill in Novato, California.

how much?

-
- 1 TVH = Total volatile hydrocarbons as gasoline, EPA 8015/5030
 - 2 ppm = parts per million = mg/kg
 - 3 ppb = parts per billion = mg/kg
 - 4 ND = None detected

VI EXCAVATION BACKFILLING

Clean soils that were excavated to access the contaminated soils, were stockpiled on-site and analytically tested for TVH and BTXE. Analytical test results are summarized in Table 4.

Table 4. CONTAMINANT CONCENTRATIONS IN CLEAN STOCKPILES

<u>Sample Designation</u>	<u>TVH¹ (ppm)²</u>	<u>Benzene (ppb)³</u>	<u>Toluene (ppb)</u>	<u>Ethyl Benzene (ppb)</u>	<u>Total Xylenes (ppb)</u>
CSP-1	ND ⁴	ND	ND	ND	ND
CSP-2	ND	ND	ND	ND	ND
CSP-3	ND	ND	ND	ND	ND
CSP-4	ND	ND	ND	ND	ND
CSP-5	ND	ND	ND	ND	ND
CSP-6	ND	ND	ND	ND	ND
CSP-7 @ 17.5	ND	ND	ND	ND	15 ⁵
CSP-8 @ 19.5	ND	ND	ND	ND	12 ⁵
CSP-9 @ 19	ND	ND	ND	ND	ND
CSP-10 @ 18.5	ND	ND	ND	ND	9 ⁵
CSP-11 @ 17.5	ND	ND	ND	ND	15 ⁵
CSP-12 @ 16.5	ND	ND	ND	ND	ND
CSP-13 @ 16	ND	ND	ND	ND	9 ⁵
CSP-14 @ 15	ND	ND	ND	ND	8 ⁵
CSP-15 @ 14	ND	ND	ND	ND	ND
CSP-16	ND	ND	ND	ND	ND
CSP-17	ND	ND	ND	ND	ND
CSP-18	ND	ND	ND	ND	ND

-
- 1 TVH = Total volatile hydrocarbons as gasoline
 2 ppm = parts per million = mg/kg
 3 ppb = parts per billion = mg/kg
 4 ND = None detected
 5 Soils were retested, see CSP 16 through 18

After being analytically tested, the clean soils were used to partially backfill the excavation. Laboratory compaction tests and field check points were conducted in accordance with the ASTM D1557-78 test procedure to evaluate the optimum moisture content and the maximum dry density of the fill material. Field density tests were performed to check fill compaction using nuclear methods, in accordance with the ASTM D2922-71 method. The test results indicated that the fill tested was compacted to at least 90 percent relative compaction. The results of the compaction and field density tests will be kept in our files for future reference.

IV GROUNDWATER MONITORING

Five groundwater monitoring wells have been installed around the perimeter of the excavation as part of an ongoing groundwater study. Their locations are shown on Plate 3. The wells consist of 2-inch-diameter Schedule 40 PVC pipe with flush-threaded joints. The wells were constructed in 8-inch-diameter boreholes. The wells extend about 35 feet below grade. Groundwater was encountered at a depth of about 27 feet. The lower 10 feet of each well consists of machine-slotted well screen having 0.020 inch slots. The annular space around the screened section was backfilled with Lone Star #3 sand. A bentonite plug, approximately 12 inches thick, was placed above the sand. The annulus above the plug was filled

with bentonite grout. The wells were finished flush with the ground surface. The wellheads are secured by a locking cover.

The monitoring wells were subsequently developed, purged and sampled. The groundwater samples were analytically tested for suspected contaminants. The test results are summarized below in Table 5.

Table 5. ORGANIC CHEMICAL CONCENTRATIONS IN GROUNDWATER

<u>Well</u>	<u>Sampling Date</u>	<u>TVH¹</u>	<u>BTXE²</u>
W-47	4/6/90	ND ³	ND
W-48	4/6/90	ND	ND
W-49	4/6/90	ND	ND
W-51	4/6/90	ND	ND
W-52	4/6/90	ND	ND

¹ TVH = Total extractable hydrocarbons, EPA 8015/5030

² BTXE = Benzene, toluene, xylene, ethylbenzene, EPA 8020

³ ND = None detected at concentrations above detection limits. See test reports for detection limits.

VIII CONCLUSIONS

Based upon our observations and analytical test results, we conclude that soil remediation has been satisfactorily completed. Soil containing elevated concentrations of TVH, as gasoline, and BTXE was encountered within the excavation. Approximately 8,600 cubic yards of contaminated soil was removed. Analytical results indicate that no detectable concentrations of TVH were left in-place. However, very low concentrations of BTXE remain along the bottom and east wall of the excavation. We conclude that these

to Class 3 - see p. 13

relatively low concentrations of BTXE do not represent an on-going threat to groundwater degradation, or a significant health risk. The analytical data indicates that no gasoline, as TVH, remains within the property boundaries on the Old Firehouse site or on the Garage 2 site.

The groundwater in the monitoring wells installed around the excavation has been sampled and analytically tested. The analytical results indicate that no detectable concentrations of petroleum hydrocarbons or BTXE exist in the groundwater at these locations. On this basis, the extent of groundwater contamination appears to be limited to the area within the excavation. Additional monitoring wells will be constructed closer to the suspected area of release in the near future. These wells will be used to evaluate if groundwater remediation is necessary.

List of Attached Plates

Plate 1	Site Plan and Sample Locations
Plate 2	Hydrocarbon Concentrations in Soil Following Excavation
Plate 3	Hydrocarbon Concentrations in Groundwater and Excavation Depths

Appendix:

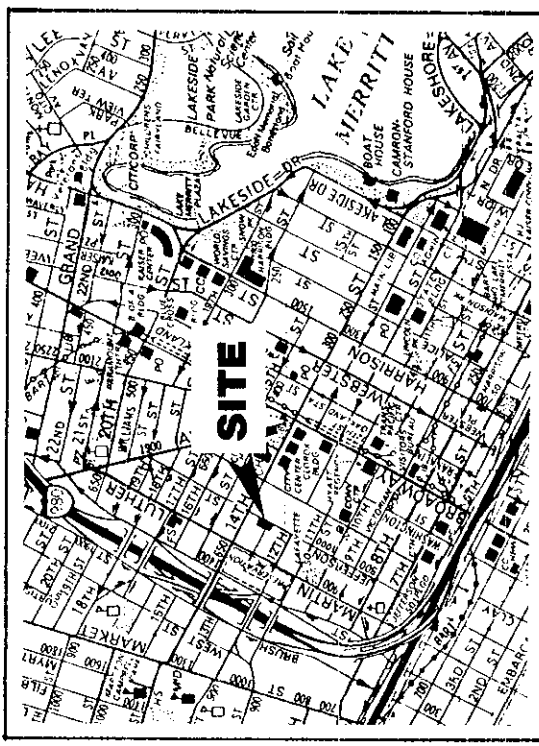
Analytical Test Results

Chain-of-Custody Documents

Distribution

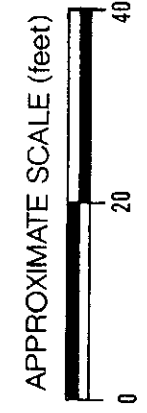
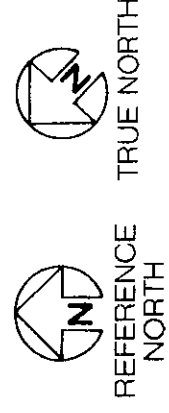
1 copy:	Mr. John Esposito, Bramalea Pacific 1221 Broadway, Suite 1800 Oakland, California 94612
1 copy:	Ms. Lois Parr, City of Oakland, Devlp/Emplmt 1333 Broadway, Suite 900 Oakland, California 94612
1 copy:	Ms. Katherine Chesick, ACHCSA Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, California 94621
1 copy:	Mr. Lester Feldman, RWQCB 1800 Harrison, Suite 700 Oakland, California 94612
1 copy:	Mr. Roy Ikeda, Crosby, Heafey, Roach & May 1999 Harrison Street Oakland, California 94612
1 copy:	Mr. Donnell Choy City of Oakland 505 14th Street, 8th Floor Oakland, CA 94612

SOC:JPB:RWR:sld



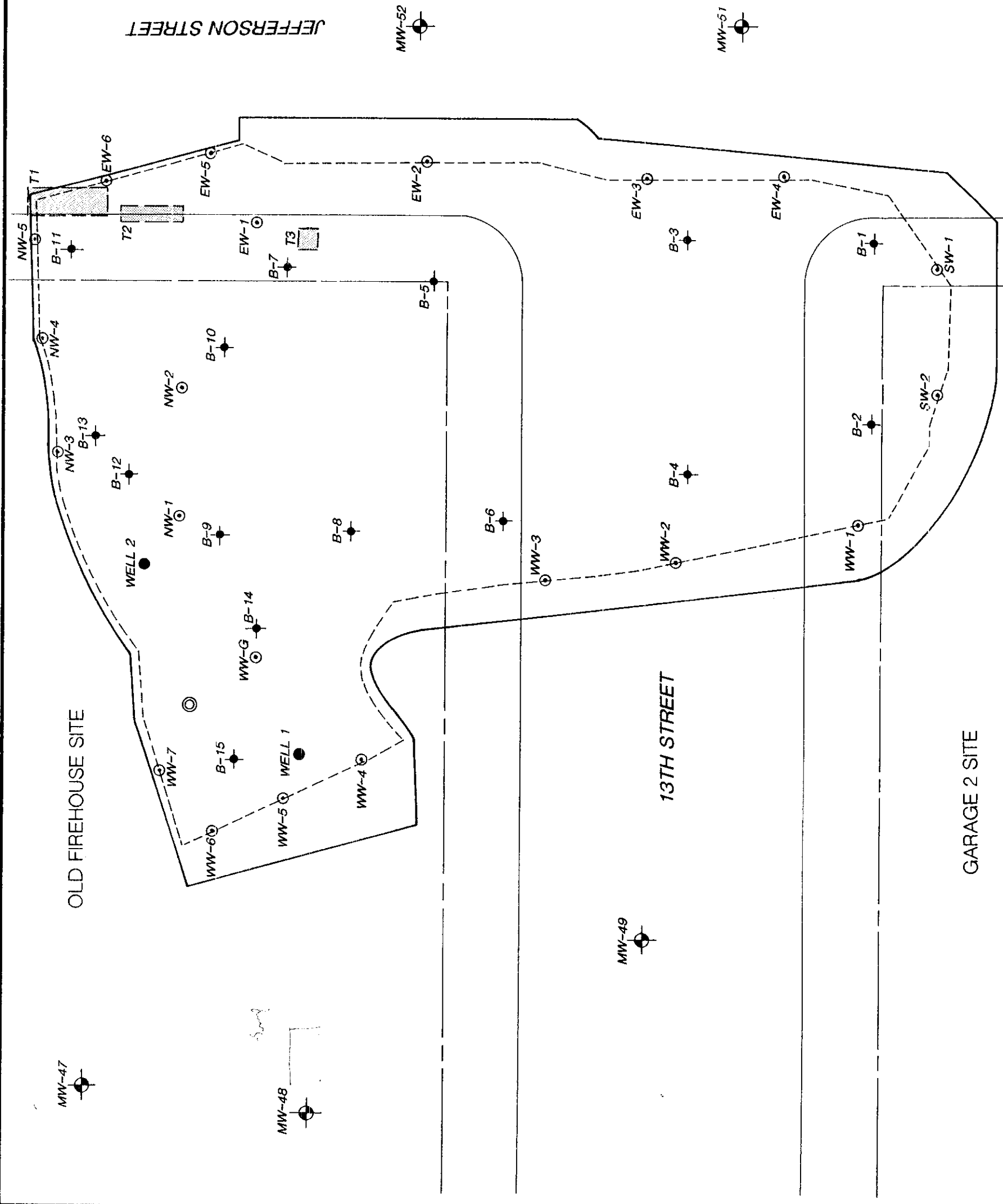
VICINITY MAP

- MONITORING WELL
- BOTTOM SAMPLE
- SIDEWALL SAMPLE
- FUEL TANK LOCATION
- EXISTING WATER WELL
- BRICK LINED WATER WELL

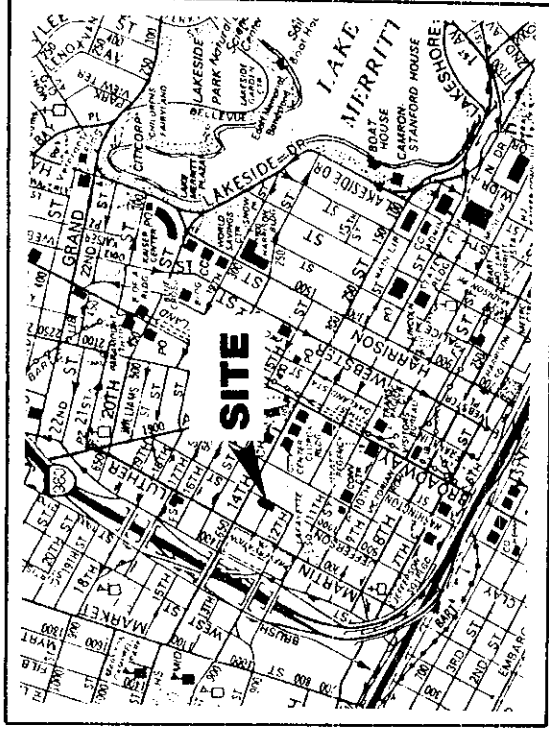


SITE PLAN & SAMPLE LOCATIONS

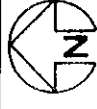
13TH & JEFFERSON - OAKLAND, CA
 JOB NUMBER 430,003
 DATE 5/10/90
 APPROVED
 PLATE **1**



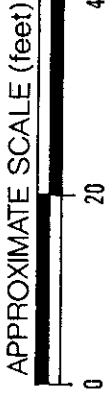
Subsurface Consultants



VICINITY MAP



REFERENCE NORTH

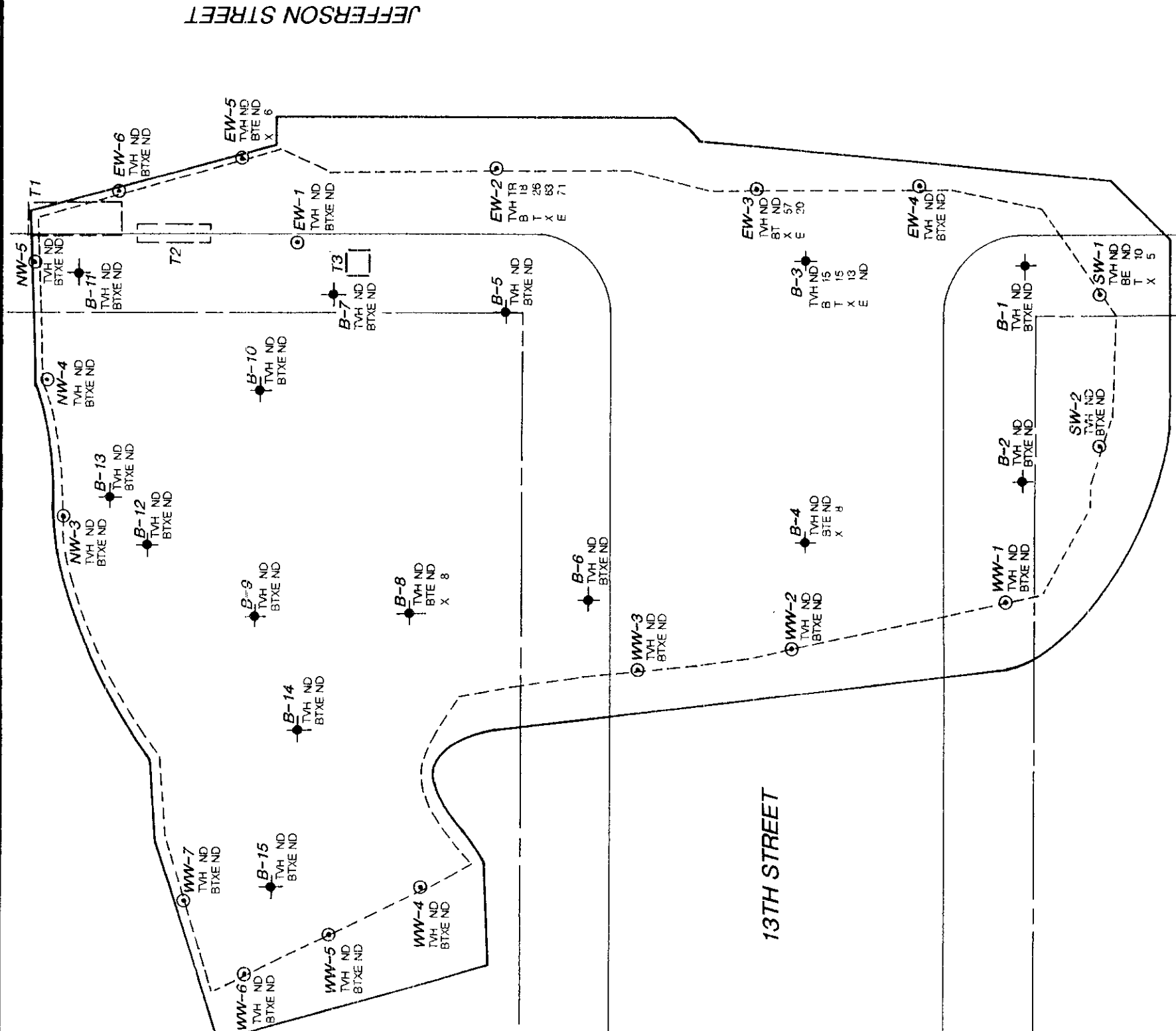


APPROXIMATE SCALE (feet)



TRUE NORTH

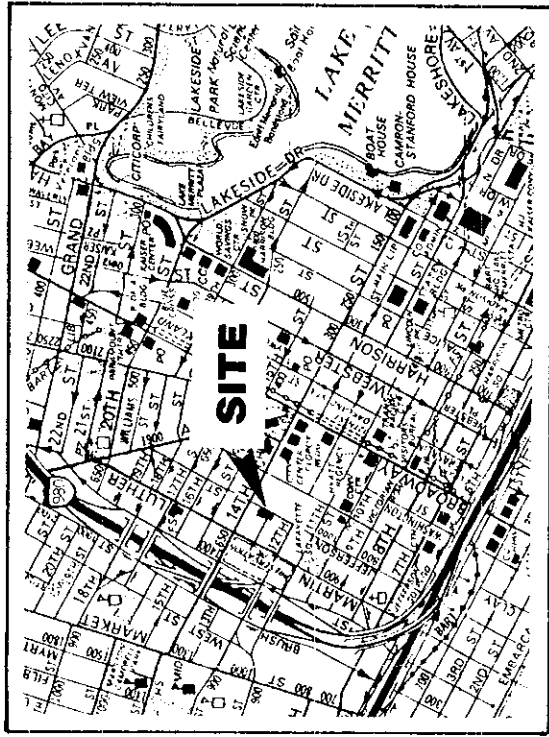
	MONITORING WELL
	BOTTOM SAMPLE
	SIDEWALL SAMPLE
	FUEL TANK LOCATION
	EXISTING WATER WELL
	BRICK LINED WATER WELL
TVH - TOTAL VOLATILE HYDROCARBONS AS GASOLINE (ppm)	
B -	BENZENE (ppb)
T -	TOLUENE (ppb)
X -	TOTAL XYLENES (ppb)
E -	ETHYL BENZENE (ppb)
ND -	NONE DETECTED (ppb)



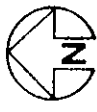
HYDROCARBON CONCENTRATIONS
IN SOIL FOLLOWING EXCAVATION

13TH & JEFFERSON - OAKLAND, CA		PLATE
JOB NUMBER	DATE	APPROVED
430.003	5/10/90	2

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VICINITY MAP



REFERENCE NORTH



TRUE NORTH



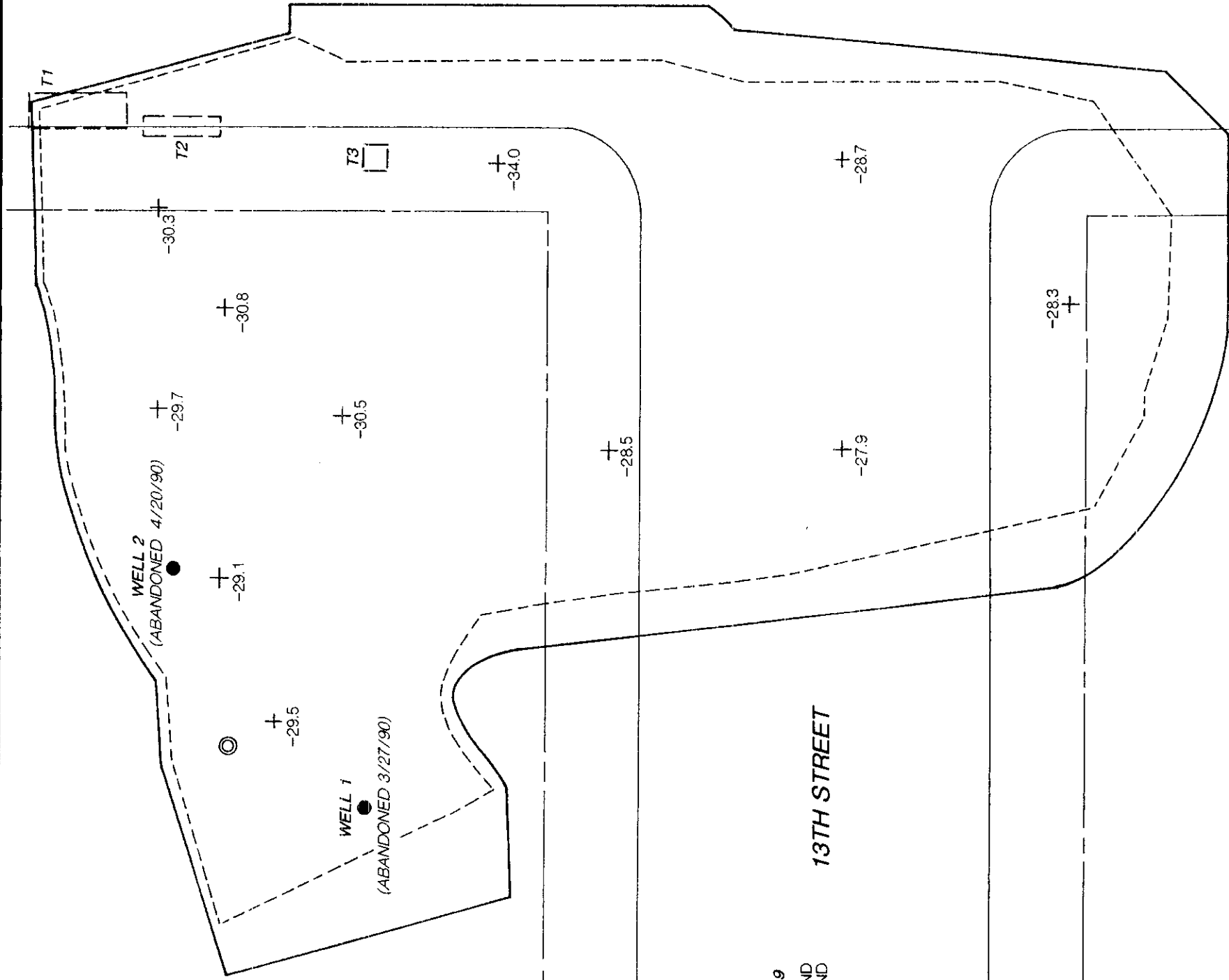
APPROXIMATE SCALE (feet)

- ⊕ MONITORING WELL
- FUEL TANK LOCATION
- EXISTING WATER WELL
- ⊙ BRICK LINED WATER WELL
- TVH - TOTAL VOLATILE HYDROCARBONS AS GASOLINE
- B - BENZENE
- T - TOLUENE
- X - TOTAL XYLENES
- E - ETHYL BENZENE
- ND - NONE DETECTED
- + DEPTH OF EXCAVATION (feet)
- 27.9

JEFFERSON STREET

MW-52
TVH ND
BTXE ND

MW-51
TVH ND
BTXE ND



MW-47
TVH ND
BTXE ND

MW-48
TVH ND
BTXE ND

MW-49
TVH ND
BTXE ND

BM
+ ASSUMED ELEVATION 0.0'

13TH STREET

HYDROCARBON CONCENTRATIONS
IN GROUNDWATER

Subsurface Consultants

13TH & JEFFERSON - OAKLAND, CA
JOB NUMBER 490.003
DATE 5/10/90
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SEP 1 1989
7 8 9 10 11 12 1 2 3 4 5 6

DATE RECEIVED: 08/30/89
DATE REPORTED: 09/01/89
PAGE 1 OF 3

LAB NUMBER: 18145

CLIENT: SUBSURFACE CONSULTANTS, INC.

REPORT ON: 9 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

Jim Wray for CBG

Laboratory Director

LABORATORY NUMBER: 18145
 CLIENT: SUBSURFACE CONSULTANTS, INC.
 JOB #: 430.003
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 08/30/89
 DATE ANALYZED: 08/30/89
 DATE REPORTED: 09/01/89
 PAGE 2 OF 3

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)
18145-1	A1-1	87
18145-2	A1-2	27
18145-3	A1-3	ND(10)
18145-4	A1-4	ND(10)
18145-5	A2-1	ND(10)
18145-6	A2-2	ND(10)
18145-7	A2-3	ND(10)
18145-8	A2-4	10

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	<1
Spike, % Recovery	102



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LABORATORY NUMBER: 18316
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 09/20/89
 DATE ANALYZED: 09/21/89
 DATE REPORTED: 09/22/89

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/Kg)
18316- 1, 2, 3, 4	A3	22
18316- 5, 6, 7, 8	A4	160
18316- 9, 10, 11, 12	A5	ND(10)
18316- 13, 14, 15, 16	A6	30
18316- 17, 18, 19, 20	A7	15
18316- 25, 26, 27, 28	A9	ND(10)
18316- 33, 34, 35, 36,	A11	10
18316- 37, 38, 39, 40	A12	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	93

Jon Wang for CBG
 LABORATORY DIRECTOR

LABORATORY NUMBER: 18316
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 09/20/89
 DATE ANALYZED: 09/22/89
 DATE REPORTED: 09/25/89

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/Kg)
18316- 21,22,23,24	A8	ND(10)
18316- 29,30,31,32	A10	220
18316- 41,42,43,44	A13	ND(10)
18316- 45,46,47,48	A14	310
18316- 49,50,51,52	A15	320
18316- 53,54,55,56	A16	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	89



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LABORATORY NUMBER: 18331
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 430.003
LOCATION: 13th AND JEFFERSON

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DATE ANALYZED: 09/26/89
DATE REPORTED: 09/27/89

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
EPA 8015 (Modified)
Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)
18331-1	A19-1, 2, 3, 4 COMPOSITE	48
18331-2	A20-1, 2, 3, 4 COMPOSITE	69
18331-3	A23-1, 2, 3, 4 COMPOSITE	ND(10)
18331-4	A24-1, 2, 3, 4 COMPOSITE	17
18331-5	A17-1, 2, 3, 4 COMPOSITE	44
18331-6	A18-1, 2, 3, 4 COMPOSITE	14
18331-7	A21-1, 2, 3, 4 COMPOSITE	TRACE(6.9)
18331-8	A22-1, 2, 3, 4 COMPOSITE	22

QA/QC SUMMARY

%RPD	<1
Spike, % Recovery	84

M. S. Pruiton
QA/QC OFFICER

Jim May for CBG
LABORATORY DIRECTOR



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DATE RECEIVED: 09/25/89
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PAGE 1 OF 2

LAB NUMBER: 18355

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 16 SOIL COMPOSITES


JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

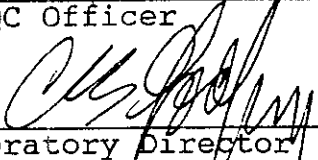
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Laboratory Director

LABORATORY NUMBER: 18355
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 09/25/89
 DATE ANALYZED: 09/26/89
 DATE REPORTED: 10/02/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)
18355-1	A25-1/A25-2/A25-3/A25-4	15
18355-2	A26-1/A26-2/A26-3/A26-4	12
18355-3	A27-1/A27-2/A27-3/A27-4	60
18355-4	A28-1/A28-2/A28-3/A28-4	29
18355-5	A29-1/A29-2/A29-3/A29-4	15
18355-6	A30-1/A30-2/A30-3/A30-4	ND(10)
18355-7	A31-1/A31-2/A31-3/A31-4	ND(10)
18355-8	A32-1/A32-2/A32-3/A32-4	ND(10)
18355-9	A33-1/A33-2/A33-3/A33-4	ND(10)
18355-10	A34-1/A34-2/A34-3/A34-4	ND(10)
18355-11	A35-1/A35-2/A35-3/A35-4	22
18355-12	A36-1/A36-2/A36-3/A36-4	57
18355-13	A37-1/A37-2/A37-3/A37-4	13
18355-14	A38-1/A38-2/A38-3/A38-4	ND(10)
18355-15	A39-1/A39-2/A39-3/A39-4	ND(10)
18355-16	A40-1/A40-2/A40-3/A40-4	ND(10)

ND = None Detected; Limit of Detection in parentheses.

QA/QC SUMMARY

%RPD	2
Spike, % Recovery	92



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DATE REPORTED: 10/06/89
PAGE 1 OF 3

LAB NUMBER: 18393

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 10 SOIL COMPOSITES &
8 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

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M. S. Printers
W. J. ...

M. S. Printers
QA/QC Officer

[Signature]
Laboratory Director

LABORATORY NUMBER: 18393
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 09/29/89
 DATE ANALYZED: 10/04/89
 DATE REPORTED: 10/06/89
 PAGE 2 OF 3

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)
18393-1,2,3,4	COMPOSITE A41	640
18393-5,6,7,8	COMPOSITE A42	15
18393-9,10,11,12	COMPOSITE A43	190
18393-13,14,15,16	COMPOSITE A44	510
18393-17,18,19,20	COMPOSITE A45	130
18393-21,22,23,24	COMPOSITE A46	260
18393-25,26,27,28	COMPOSITE A47	210
18393-29,30,31,32	COMPOSITE A48	110
18393-33,34,35,36	COMPOSITE A49	220
18393-37,38,39,40	COMPOSITE A50	160

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	90



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DATE RECEIVED: 10/05/89

DATE REPORTED: 10/09/89

PAGE 1 OF 2

LAB NUMBER: 18425

CLIENT: SUBSURFACE CONSULTANTS

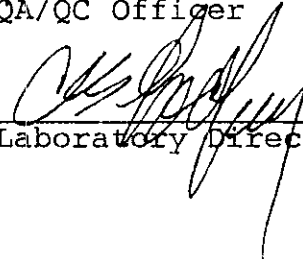
REPORT ON: 3 SOIL SAMPLES

JOB #: 430.003

LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED


QA/QC Officer


Laboratory Director

LABORATORY NUMBER: 18425
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 10/05/89
 DATE ANALYZED: 10/09/89
 DATE REPORTED: 10/09/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18425-1	PA-1	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18425-2	PA-2	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18425-3	PA-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	87



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DATE RECEIVED: 10/11/89
DATE REPORTED: 10/16/89
PAGE 1 OF 2

LAB NUMBER: 18482

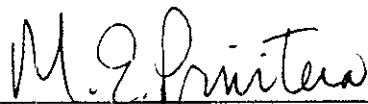
CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 19 SOIL SAMPLES

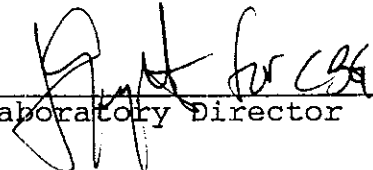
JOB #: 430.003

LOCATION: 13TH & JEFFERSON GAS REMEDIATION

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 18482
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 10/11/89
 DATE ANALYZED: 10/12/89
 DATE REPORTED: 10/16/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18482-1	PA-4	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-2	PA-5	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-3	PA-6	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-4	PA-7	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-5	PA-8	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-6	PA-9	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-7	PA-10	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-8	PA-11	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-9	PA-12	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-10	PA-13	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-11	PA-14	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-12	PA-15	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-13	PA-16	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-14	PA-17	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-15	PA-18	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-16	PA-19	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-17	PA-20	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-18	PA-21	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18482-19	PA-22	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	16
%RECOVERY	82



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PAGE 1 OF 2

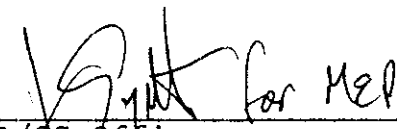
LAB NUMBER: 18537

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 13 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13th AND JEFFERSON

RESULTS: SEE ATTACHED



QA/QC officer



Laboratory Director



LABORATORY NUMBER: 18537
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 10/23/89
DATE ANALYZED: 10/25/89
DATE REPORTED: 10/26/89
PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18537-1	PA-23	ND(10)	ND(5)	17	ND(5)	ND(5)
18537-2	PA-24	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-3	PA-25	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-4	PA-26	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-5	PA-27	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-6	PA-28	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-7	PA-29	ND(10)	ND(5)	31	ND(5)	10
18537-8	PA-30	ND(10)	ND(5)	ND(5)	ND(5)	7.5
18537-9	PA-31	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-10	PA-32	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-11	PA-33	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-12	PA-34	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18537-13	PA-35	ND(10)	45	94	65	380

ND = NOT DETECTED; LIMIT OF DETECTION IN PARENTHESES

QA/QC SUMMARY

%RPD 2
%RECOVERY 84



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DATE RECEIVED: 10/27/89
DATE REPORTED: 10/31/89
PAGE 1 OF 2

LAB NUMBER: 18568

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 7 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

U.S. Pruit

QA/QC Officer

Jon Wong for CDB

Laboratory Director

LABORATORY NUMBER: 18568
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 10/27/89
 DATE ANALYZED: 10/31/89
 DATE REPORTED: 10/31/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18568-1	PA-23B	ND(10)	28	46	ND(5)	42
18568-2	PA-29B	ND(10)	29	31	ND(5)	36
18568-3	PA-30B	ND(10)	17	ND(5)	ND(5)	ND(5)
18568-4	PA-31B	ND(10)	16	ND(5)	ND(5)	ND(5)
18568-5	PA-32B	ND(10)	22	ND(5)	ND(5)	ND(5)
18568-6	PA-33B	ND(10)	20	ND(5)	ND(5)	ND(5)
18568-7	PA-35B	ND(10)	26	ND(5)	ND(5)	15

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	90



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PAGE 1 OF 2

LAB NUMBER: 18647

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 5 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

QA/QC Officer

Laboratory Director



LABORATORY NUMBER: 18647
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 11/08/89
DATE ANALYZED: 11/10/89
DATE REPORTED: 11/10/89
PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18647-1	PA-29C	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18647-2	PA-30C	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18647-3	PA-31C	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18647-4	PA-32C	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18647-5	PA-33C	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	3
%RECOVERY	95



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LABORATORY NUMBER: 18582
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 10/31/89
 DATE ANALYZED: 11/01/89
 DATE REPORTED: 11/02/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18582-1	PA- ^{3/} 26	ND(10)	20	37	ND(5)	ND(5)
18582-2	PA-37	ND(10)	21	39	ND(5)	26
18582-3	PA-38	ND(10)	7.0	11	ND(5)	ND(5)
18582-4	PA-39	ND(10)	20	37	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 4
 %RECOVERY 91

M. E. Pristera
 QA/QC OFFICER

[Signature]
 LABORATORY DIRECTOR



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DATE RECEIVED: 11/06/89
DATE REPORTED: 11/09/89
PAGE 1 OF 2

LAB NUMBER: 18631

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 8 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. S. Printers

QA/QC Officer

[Signature]

Laboratory Director

LABORATORY NUMBER: 18631
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 11/06/89
 DATE ANALYZED: 11/09/89
 DATE REPORTED: 11/09/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18631-1	PA-40	ND(10)	18	32	ND(5)	11
18631-2	PA-41	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18631-3	PA-42	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18631-4	PA-43	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18631-5	PA-44	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18631-6	PA-45	ND(10)	ND(5)	25	ND(5)	ND(5)
18631-7	PA-46	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18631-8	PA-47	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	86



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DATE RECEIVED: 11/14/89
DATE REPORTED: 11/20/89
PAGE 1 OF 2

LAB NUMBER: 18700

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 12 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13th AND JEFFERSON

RESULTS: SEE ATTACHED

M.E. Printen

QA/QC Officer
C.S. [Signature]

Laboratory Director



LABORATORY NUMBER: 18700
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 11/14/89
DATE ANALYZED: 11/17/89
DATE REPORTED: 11/20/89
PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
		(mg/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)	(ug/Kg)
18700-1	PA-36B	ND(1)	ND(5)	5.5	ND(5)	ND(5)
18700-2	PA-37B	ND(1)	ND(5)	8.8	ND(5)	ND(5)
18700-3	PA-38B	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18700-4	PA-39B	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18700-5	PA-48	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18700-6	PA-49	ND(1)	ND(5)	5.7	ND(5)	ND(5)
18700-7	PA-50	ND(1)	ND(5)	10	ND(5)	ND(5)
18700-8	PA-51	ND(1)	ND(5)	13	ND(5)	ND(5)
18700-9	PA-52	ND(1)	ND(5)	11	ND(5)	ND(5)
18700-10	PA-53	ND(1)	ND(5)	8.0	ND(5)	ND(5)
18700-11	PA-54	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
18700-12	PA-55	ND(1)	ND(5)	8.2	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	83



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PAGE 1 OF 2

LAB NUMBER: 18800

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 8 SOIL SAMPLES

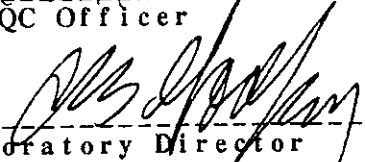
JOB #: 430.003

LOCATION: 13th AND JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 18800
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 11/27/89
 DATE ANALYZED: 11/29/89
 DATE REPORTED: 11/29/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18800-1	PA-56	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18800-2	PA-57	ND(10)	ND(5)		46 ND(5)	ND(5)
18800-3	PA-58	ND(10)	ND(5)		110 ND(5)	ND(5)
18800-4	PA-59	ND(10)	ND(5)		35 ND(5)	ND(5)
18800-5	PA-60	ND(10)	ND(5)		49 ND(5)	ND(5)
18800-6	PA-61	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18800-7	PA-62	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18800-8	PA-63	ND(10)	ND(5)		27 ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	76



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DATE RECEIVED: 11/29/89
DATE REPORTED: 12/01/89
PAGE 1 OF 2


LAB NUMBER: 18815

CLIENT: SUBSURFACE CONSULTANTS

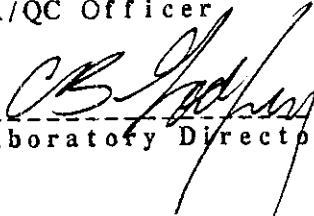
REPORT ON: 8 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 18815
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 11/29/89
 DATE ANALYZED: 11/30/89
 DATE REPORTED: 12/01/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18815-1	PA-64	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18815-2	PA-65	ND(10)	ND(5)	44	ND(5)	16
18815-3	PA-66	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18815-4	PA-67	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18815-5	PA-68	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18815-6	PA-69	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18815-7	PA-70	ND(10)	ND(5)	21	16	30
18815-8	PA-71	ND(10)	ND(5)	8.5	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	87



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DATE RECEIVED: 12/13/89

DATE REPORTED: 12/18/89

PAGE 1 OF 3

LAB NUMBER: 18940

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 8 SOIL SAMPLES

PROJECT #: 430.003

LOCATION: 13th & JEFFERSON

RESULTS: SEE ATTACHED

Al. E. Pruitter

QA/QC Officer

Jim Wong for CBG

Laboratory Director

Berkeley

Wilmington

Los Angeles



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DATE RECEIVED: 12/06/89

DATE REPORTED: 12/11/89

PAGE 1 OF 2

LAB NUMBER: 18879

CLIENT: SUBSURFACE CONSULTANTS

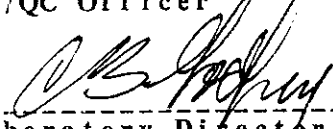
REPORT ON: 8 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 18940
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 12/13/89
 DATE ANALYZED: 12/18/89
 DATE REPORTED: 12/18/89
 PAGE 2 OF 3

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18940-1	PA-72	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	5.3
18940-2	PA-73	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	6.8
18940-3	PA-82	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	6.8
18940-4	PA-83	ND(1.0)	ND(3.0)	3.3	ND(3.0)	TRACE(2.8)
18940-5	PA-84	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	3.5
18940-6	PA-85	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	4.3

ND = NOT DETECTED; LIMIT OF DETECTION IN PARENTHESES

QA/QC SUMMARY

%RPD	1
%RECOVERY	85



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DATE RECEIVED: 12/06/89
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PAGE 1 OF 2

LAB NUMBER: 18879

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 8 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. E. Priester

QA/QC Officer
C. B. [Signature]

Laboratory Director

LABORATORY NUMBER: 18879
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/06/89
 DATE ANALYZED: 12/07/89
 DATE REPORTED: 12/11/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18879-1	PA-74	ND(5)	15	13	ND(5)	11
18879-2	PA-75	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
18879-3	PA-76	ND(5)	ND(5)	8.0	ND(5)	ND(5)
18879-4	PA-77	ND(5)	ND(5)	ND(5)	9.0	28
18879-5	PA-78	ND(5)	ND(5)	ND(5)	ND(5)	5.5
18879-6	PA-79	ND(5)	12	12	ND(5)	6.5
18879-7	PA-80	ND(5)	12	9.5	ND(5)	ND(5)
18879-8	PA-81	ND(5)	ND(5)	14	ND(5)	41

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
 %RECOVERY 83



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PAGE 1 OF 2

LAB NUMBER: 18921


CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 3 SOIL SAMPLES

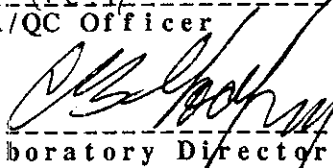
PROJECT #: 430.003

LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 18921
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/11/89
 DATE ANALYZED: 12/12/89
 DATE REPORTED: 12/12/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
18921-1	PA-86	ND	10
18921-2	PA-87	ND	10
18921-3	PA-88	ND	10

ND = Not Detected.

QA/QC SUMMARY

%RPD	<1
Spike, % Recovery	89



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PAGE 1 OF 2

LAB NUMBER: 18815

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 8 SOIL SAMPLES


JOB #: 430.003

LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 18940
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 12/13/89
 DATE ANALYZED: 12/14/89
 DATE REPORTED: 12/18/89
 PAGE 3 OF 3

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
EPA 8015 (Modified)
Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg /Kg)	REPORTING LIMIT (mg /Kg)
18940-7	PA-89	ND	1.0
18940-8	PA-90	ND	1.0

ND = Not Detected.

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	85



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DATE REPORTED: 12/20/89

PAGE 1 OF 2

LAB NUMBER: 18978

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 4 SOIL SAMPLES

PROJECT #: 430.003

LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. E. Prater

QA/QC Officer

Joe Nagler LBB

Laboratory Director

LABORATORY NUMBER: 18978
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/18/89
 DATE ANALYZED: 12/19/89
 DATE REPORTED: 12/20/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18978-1	PA-91	ND(10)	ND(5)	ND(5)	ND(5)	5.5
18978-2	PA-92	ND(10)	ND(5)	ND(5)	ND(5)	21
18978-3	PA-93	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18978-4	PA-94	ND(10)	ND(5)	ND(5)	ND(5)	7.0

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	6
%RECOVERY	86



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7:58 AM 12/28/89 PM

LABORATORY NUMBER: 19006
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/20/89
DATE ANALYZED: 12/21/89
DATE REPORTED: 12/27/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows include 19006-1, 19006-2, and 19006-3.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD <1
%RECOVERY 98

LABORATORY DIRECTOR



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DATE RECEIVED: 12/21/89

DATE REPORTED: 12/28/89

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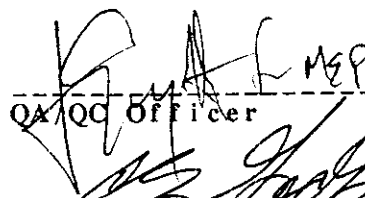
LAB NUMBER: 19019

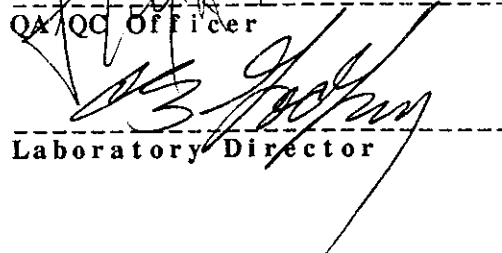
CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED


QA/QC Officer


Laboratory Director

LABORATORY NUMBER: 19019
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/21/89
 DATE ANALYZED: 12/22/89
 DATE REPORTED: 12/28/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19019-1	PA-98	ND(10)	ND(5)	ND(5)	ND(5)	43
19019-2	PA-99	ND(10)	ND(5)	ND(5)	ND(5)	6.3

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	101



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LAB NUMBER: 19038

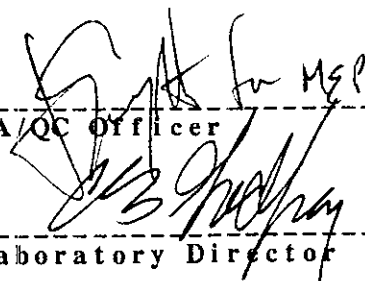
CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL SAMPLES

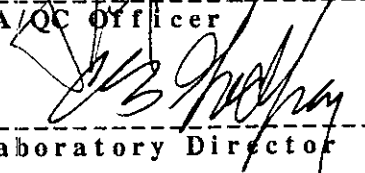
PROJECT #: 430.003

LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 19038
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/22/89
 DATE ANALYZED: 12/28/89
 DATE REPORTED: 12/28/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19038-1	PA-100	ND(10)	ND(5)	5.0	ND(5)	77
19038-2	PA-101	ND(10)	ND(5)	8.5	ND(5)	20

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	103



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DATE REPORTED: 01/02/90
PAGE 1 OF 2

LAB NUMBER: 19049

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 6 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

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M. E. Printea

QA/QC Officer
[Signature]

Laboratory Director

LABORATORY NUMBER: 19049
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 12/27/89
 DATE ANALYZED: 12/29/89
 DATE REPORTED: 01/02/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19049-1	PA-102	ND(1)	ND(2.5)	3.8	ND(2.5)	ND(2.5)
19049-2	PA-103	ND(1)	ND(2.5)	4.9	ND(2.5)	ND(2.5)
19049-3	PA-104	ND(1)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
19049-4	PA-105	ND(1)	ND(2.5)	5.3	ND(2.5)	11
19049-5	PA-106	ND(1)	ND(2.5)	4.9	ND(2.5)	5.2
19049-6	PA-107	ND(1)	ND(2.5)	ND(2.5)	ND(2.5)	2.9

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	97



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DATE REPORTED: 01/08/90
PAGE 1 OF 2

LAB NUMBER: 19081

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 4 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 19081
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/02/90
 DATE ANALYZED: 01/08/90
 DATE REPORTED: 01/08/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19081-1	PA-108	2.1	ND(5)	24	20	62
19081-2	PA-109	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
19081-3	PA-110	ND(1)	ND(5)	ND(5)	ND(5)	13
19081-4	PA-111	5.3	ND(5)	7.5	7.5	16

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	95



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LABORATORY NUMBER: 19090
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/03/90
 DATE ANALYZED: 01/05/90
 DATE REPORTED: 01/05/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19090-1	PA-112	4.6	ND(5.0)	13	14	60
19090-2	PA-113	14	ND(5.0)	ND(5.0)	11	72
19090-3	PA-114	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	11
19090-4	PA-115	2.2	ND(5.0)	ND(5.0)	ND(5.0)	38

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

 %RPD <1
 %RECOVERY 101

[Signature]
 QA/QC OFFICER
[Signature]
 LABORATORY DIRECTOR



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DATE RECEIVED: 01/05/90
DATE REPORTED: 01/09/90
PAGE 1 OF 2

LAB NUMBER: 19107

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 19107
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/05/90
 DATE ANALYZED: 01/09/90
 DATE REPORTED: 01/09/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19107-1	PA-116	7.4	ND(5.0)	42	33	330
19107-2	PA-117	15	ND(5.0)	6.8	43	320

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	3
%RECOVERY	96



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LABORATORY NUMBER: 19124
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 01/08/90
DATE ANALYZED: 01/09/90
DATE REPORTED: 01/09/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows 19124-1 to 19124-4.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD <1
%RECOVERY 88

M. E. Priester
QA/QC OFFICER

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LABORATORY NUMBER: 19156
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.00
JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/11/90
DATE ANALYZED: 01/15/90
DATE REPORTED: 01/16/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19156-1	PA-122	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
19156-2	PA-123	ND(1.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
19156-3	PA-124	TRACE(0.6)	ND(3.0)	ND(3.0)	ND(3.0)	11

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	86

M. S. Prister

 QA/QC OFFICER

[Signature]

 LABORATORY DIRECTOR



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LABORATORY NUMBER: 19347
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH AND JEFFERSON

DATE RECEIVED: 01/18/90
 DATE ANALYZED: 01/25/90
 DATE REPORTED: 01/26/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19347-1	PA-125	2.4	3.9	5.7	11	39
19347-2	PA-126	ND(1.0)	2.6	2.6	ND(3.0)	6.8
19347-3	PA-127	3.7	4.6	12	12	52

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
 %RECOVERY 79

M. E. Rivera
 QA/QC OFFICER

[Signature]
 LABORATORY DIRECTOR



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19363
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/19/90
 DATE ANALYZED: 01/29/90
 DATE REPORTED: 01/29/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19363-1	PA-128	1.0	3.0	2.8	16	12
19363-2	PA-129	1.2	3.5	ND(2.5)	TRACE(2.3)	14

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
 %RECOVERY 118

U.S. Printera
 QA/QC OFFICER

[Signature]
 LABORATORY DIRECTOR



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19379
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/22/90
DATE ANALYZED: 01/29/90
DATE REPORTED: 01/29/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows include 19379-1 PA-130 and 19379-2 PA-131.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD <1
%RECOVERY 118

M. E. Printers
QA/QC OFFICER

[Signature]
LABORATORY DIRECTOR



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19395
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/23/90
 DATE ANALYZED: 01/29/90
 DATE REPORTED: 01/29/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19395-1	PA-132	6.3	8.3	26	19	140
19395-2	PA-133	3.0	15	19	6.0	38

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	118

M. E. Pruitera
 QA/QC OFFICER

[Signature]
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19405
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 01/25/90
 DATE ANALYZED: 01/31/90
 DATE REPORTED: 01/31/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19405-1	PA-134	1.0	ND(5.0)	ND(5.0)	ND(5.0)	22
19405-2	PA-135	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	14
19405-3	PA-136	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.4
19405-4	PA-137	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.9
19405-5	PA-138	3.4	ND(5.0)	36	18	44
19405-6	PA-139	1.8	7.4	14	9.0	27

ND = NOT DETECTED; LIMIT OF DETECTION IN PARENTHESES

QA/QC SUMMARY

%RPD	<1
%RECOVERY	101

M. S. Pintea

 QA/QC OFFICER

[Signature]

 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 01/25/90
DATE REPORTED: 01/30/90
PAGE 1 OF 2

LAB NUMBER: 19418

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 19418
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 01/25/90
 DATE ANALYZED: 01/30/90
 DATE REPORTED: 01/30/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19418-1	PA-140	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	13
19418-2	PA-141	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	19

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	108

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FEB 09 1990

LABORATORY NUMBER: 19425
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 01/26/90
DATE ANALYZED: 02/02/90
DATE REPORTED: 02/02/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows 19425-1 to 19425-4.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
%RECOVERY 108

Signature of QA/QC Officer

Signature of Laboratory Director

Berkeley

Wilmington

Los Angeles



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19435
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 01/29/90
 DATE ANALYZED: 01/31/90
 DATE REPORTED: 01/31/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19435-1	PA-146	1.8	ND(5.0)	ND(5.0)	ND(5.0)	24
19435-2	PA-147	10	8.2	ND(5.0)	32	350
19435-3	PA-148	7.5	ND(5.0)	10	16	140
19435-4	PA-149	4.9	8.5	ND(5.0)	14	80

ND = NOT DETECTED; LIMIT OF DETECTION IN PARENTHESES

QA/QC SUMMARY

%RPD <1
 %RECOVERY 101

M. E. Pinter
 QA/QC OFFICER

Robert E. C. G.
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

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LABORATORY NUMBER: 19450
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 01/30/90
DATE ANALYZED: 02/06/90
DATE REPORTED: 02/06/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows include 19450-1 PA-150 and 19450-2 PA-151.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
%RECOVERY 121

Handwritten signatures for QA/QC OFFICER and LABORATORY DIRECTOR.



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19451
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 01/30/90
 DATE ANALYZED: 02/06/90
 DATE REPORTED: 02/06/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19451-1	PA-152	3.3	ND(5.0)	8.3	6.0	27
19451-2	PA-153	3.1	10	14	6.9	30
19451-3	PA-154	5.4	ND(5.0)	7.4	7.8	62
19451-4	PA-155	ND(1.0)	ND(5.0)	11	ND(5.0)	ND(5.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 2
 %RECOVERY 121

M. S. ...
 QA/QC OFFICER
[Signature]
 LABORATORY DIRECTOR



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ANALYTICAL LABORATORIES

DATE RECEIVED: 02/01/90
DATE REPORTED: 02/07/90
PAGE 1 OF 2

LAB NUMBER: 19470

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 4 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. S. Pruitera

QA/QC Officer
[Signature]

Laboratory Director

LABORATORY NUMBER: 19470
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 02/01/90
 DATE ANALYZED: 02/07/90
 DATE REPORTED: 02/07/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19470-1	PA-156	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.0
19470-2	PA-157	1.3	ND(5.0)	15	ND(5.0)	17
19470-3	PA-158	2.9	ND(5.0)	20	11	65
19470-4	PA-159	1.9	ND(5.0)	6.2	7.5	25

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	106

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LABORATORY NUMBER: 19474
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 02/01/90
DATE ANALYZED: 02/06/90
DATE REPORTED: 02/06/90

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
Extraction by EPA 5030 Purge and Trap

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Row 1: 19474-1, PA-160, 2.4, ND(5.0), 15, 9.3, 48.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

Table with 2 columns: QA/QC Metric, Value. Row 1: %RPD, 2. Row 2: %RECOVERY, 121.

M.E. Printen
QA/QC OFFICER

C.B. [Signature]
LABORATORY DIRECTOR



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DATE RECEIVED: 03/05/90

DATE REPORTED: 03/12/90

PAGE 1 OF 2

LAB NUMBER: 19782

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 10 SOIL SAMPLES

PROJECT #: 430.003

LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. S. Priente

QA/QC Officer

[Signature]

Laboratory Director

LABORATORY NUMBER: 19782
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 03/05/90
 DATE ANALYZED: 03/09/90
 DATE REPORTED: 03/12/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons with BTXE
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19782-1	PA-161	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-2	PA-162	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-3	PA-163	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-4	PA-164	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-5	PA-165	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-6	PA-166	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-7	PA-167	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-8	PA-168	5.2	ND(5.0)	20	24	73
19782-9	PA-169	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19782-10	PA-170	4.6	ND(5.0)	12	19	61

ND = None detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	96



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DATE RECEIVED: 09/27/89
DATE REPORTED: 10/03/89
PAGE 1 OF 2

LAB NUMBER: 18366

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 15 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

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AS
F. J. ...

M. S. Pruita

QA/QC Officer
C. S. ...

Laboratory Director

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 18366
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 09/27/89
 DATE ANALYZED: 10/02/89
 DATE REPORTED: 10/03/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18366-1	B-1 @ 26'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-2	B-2 @ 26'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-3	B-3 @ 26'	ND(10)	15	15	ND(5)	13
18366-4	B-4 @ 26'	ND(10)	ND(5)	ND(5)	ND(5)	8.0
18366-5	B-7 @ 26'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-6	B-10 @ 26'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-7	CSP-1	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-8	CSP-2	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-9	NW-1 @ 25'	TRACE(6.7)	ND(5)	ND(5)	37	160
18366-10	NW-2 @ 25'	11	21	30	70	280
18366-11	SW-1 @ 25'	ND(10)	ND(5)	10	ND(5)	5.0
18366-12	SW-2 @ 25'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-13	WW-1 @ 25'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-14	WW-2 @ 25'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18366-15	WW-3 @ 25'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	90



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DATE RECEIVED: 09/27/89
DATE REPORTED: 10/09/89
PAGE 1 OF 2


LAB NUMBER: 18365

CLIENT: SUBSURFACE CONSULTANTS

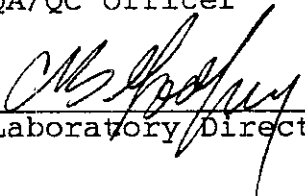
REPORT ON: 4 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 18365
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 09/27/89
 DATE ANALYZED: 10/06/89
 DATE REPORTED: 10/09/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18365-1	EW-1 @ 25'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18365-2	EW-2 @ 25'	TRACE (8.3)	18	26	71	63
18365-3	EW-3 @ 25'	ND(10)	ND(5)	ND(5)	20	57
18365-4	EW-4 @ 25'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	3
%RECOVERY	97



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DATE RECEIVED: 10/03/89
DATE REPORTED: 10/09/89
PAGE 1 OF 2

LAB NUMBER: 18408


CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 9 SOIL SAMPLES

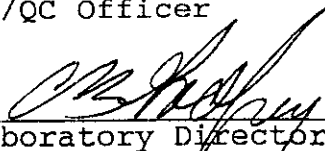
JOB #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

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QA/QC Officer



Laboratory Director

LABORATORY NUMBER: 18393
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 09/29/89
 DATE ANALYZED: 10/04/89
 DATE REPORTED: 10/06/89
 PAGE 3 OF 3

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18393-41	CSP-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18393-42	CSP-4	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18393-43	CSP-5	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18393-44	CSP-6	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18393-45	B-5 @ 34'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18393-46	B-6 @ 30'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18393-47	B-8 @ 30'	ND(10)	ND(5)	ND(5)	ND(5)	8.0
18393-48	B-9 @ 30'	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	90

LABORATORY NUMBER: 18408
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 10/03/89
 DATE ANALYZED: 10/06/89
 DATE REPORTED: 10/09/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18408-1	CSP-7 @ 17.5	ND(10)	ND(5)	ND(5)	ND(5)	15
18408-2	CSP-8 @ 19.5	ND(10)	ND(5)	ND(5)	ND(5)	12
18408-3	CSP-9 @ 19	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18408-4	CSP-10 @ 18.5	ND(10)	ND(5)	ND(5)	ND(5)	9.0
18408-5	CSP-11 @ 17.5	ND(10)	ND(5)	ND(5)	ND(5)	15
18408-6	CSP-12 @ 16.5	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
18408-7	CSP-13 @ 16	ND(10)	ND(5)	ND(5)	ND(5)	9.0
18408-8	CSP-14 @ 15	ND(10)	ND(5)	ND(5)	ND(5)	8.0
18408-9	CSP-15 @ 14	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	95

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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

MAR 21 1990

7 8 9 10 11 12 1 2 3 4 5 6 PM

LABORATORY NUMBER: 19883
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 03/13/90
DATE ANALYZED: 03/15/90
DATE REPORTED: 03/15/90

Total Volatile Hydrocarbons with BTXE
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows 19883-1, 19883-2, 19883-3 all show ND values.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD 1
%RECOVERY 93

Handwritten signature: Alan Soy MEP
QA/QC OFFICER
Handwritten signature: [Signature]
LABORATORY DIRECTOR

Berkeley

Wilmington

Los Angeles



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 19565
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 02/13/90
 DATE ANALYZED: 02/20/90
 DATE REPORTED: 02/21/90

Total Volatile Hydrocarbons with BTXE
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19565-1	C - 1	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19565-2	C - 2	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19565-3	C - 3	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19565-4	C - 4	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD <1
 %RECOVERY 129

M. S. Privitera
 QA/QC OFFICER

Joe Wasy for CBG
 LABORATORY DIRECTOR

RECEIVED



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

FEB 23 1990

LABORATORY NUMBER: 19588
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 02/14/90
DATE ANALYZED: 02/22/90
DATE REPORTED: 02/23/90

Total Volatile Hydrocarbons with BTXE
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19588-1	C - 5	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19588-2	C - 6	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19588-3	C - 7	ND(10)	ND(5.0)	ND(5.0)	8.1	ND(5.0)
19588-4	C - 8	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	106

M. S. Pritter
 QA/QC OFFICER

[Signature]
 LABORATORY DIRECTOR

RECEIVED



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-7989

MAR 08 1990
AM 7:39
PM 10:11
12:12
3:45
6

LABORATORY NUMBER: 19631
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th & JEFFERSON

DATE RECEIVED: 02/20/90
DATE ANALYZED: 02/26/90
DATE REPORTED: 02/28/90

Total Volatile Hydrocarbons with BTXE
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19631-1	C - 9	ND(10)	ND(5.0)	5.1	ND(5.0)	23
19631-2	C - 10	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19631-3	C - 11	ND(10)	6.2	ND(5.0)	ND(5.0)	ND(5.0)
19631-4	C - 12	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19631-5	C - 13	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19631-6	C - 14	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19631-7	C - 15	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19631-8	C - 16	ND(10)	ND(5.0)	13	ND(5.0)	ND(5.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	102

M. E. Priester

 QA/QC OFFICER

[Signature]

 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

RECEIVED

MAR 14 1990

7 8 9 10 11 12 1 2 3 4 5 6 AM PM

LABORATORY NUMBER: 19659
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 02/22/90
DATE ANALYZED: 02/28/90
DATE REPORTED: 03/02/90

Total Volatile Hydrocarbons with BTXE
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

Table with 7 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/Kg), BENZENE (ug/Kg), TOLUENE (ug/Kg), ETHYL BENZENE (ug/Kg), TOTAL XYLENES (ug/Kg). Rows 19659-1 to 19659-8 show ND(1.0) to ND(5.0) values.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

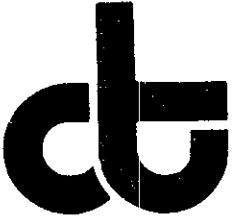
%RPD 1
%RECOVERY 105

M. E. Printera
QA/QC OFFICER
LABORATORY DIRECTOR

Berkeley

Wilmington

Los Angeles



Curtis & Tompkins, Ltd., Analytical Laboratories, Suite 1878

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MAR 08 1990

AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

DATE RECEIVED: 02/23/90
DATE REPORTED: 03/06/90
PAGE 1 OF 2

LAB NUMBER: 19678

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 6 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. S. Prater

QA/QC Officer

[Signature]

Laboratory Director

LABORATORY NUMBER: 19678
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 02/23/90
 DATE ANALYZED: 03/02/90
 DATE REPORTED: 03/06/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons with BTXE
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19678-1	C-25	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.1
19678-2	C-26	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.1
19678-3	C-27	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19678-4	C-28	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.2
19678-5	C-29	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19678-6	C-30	ND(1.0)	ND(5.0)	8.7	ND(5.0)	ND(5.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	101



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MAR 08 1990
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

DATE RECEIVED: 03/02/90
DATE REPORTED: 03/06/90
PAGE 1 OF 2

LAB NUMBER: 19769

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 3 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

M. J. Pinter

QA/QC Officer

[Signature]

Laboratory Director

LABORATORY NUMBER: 19769
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 03/02/90
 DATE ANALYZED: 03/05/90
 DATE REPORTED: 03/06/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons with BTXE
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
19769-1	B-3 B @ 29'	ND(1.0)	3.4	5.1	ND(5.0)	ND(5.0)
19769-2	B-4 B @ 29'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
19769-3	B-14 @ 30'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	99



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

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AM
7:18:00
APR 13 1990

DATE RECEIVED: 04/02/90
DATE REPORTED: 04/09/90
PAGE 1 OF 2

LAB NUMBER: 100063

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 5 SOIL SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED

Allen

QA/QC Approval
[Signature]

Final Approval

LABORATORY NUMBER: 100063
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 04/02/90
 DATE ANALYZED: 04/09/90
 DATE REPORTED: 04/09/90
 PAGE 2 OF 2

Total Volatile Hydrocarbons with BTXE in Soils & Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
100063-1	¹⁵ B-14 @ 30'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
100063-2	WW-4 @ 26'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
100063-3	WW-5 @ 26'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
100063-4	WW-6 @ 27'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
100063-5	WW-7 @ 28'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit
 indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	107



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 04/09/90
DATE REPORTED: 04/13/90
PAGE 1 OF 2

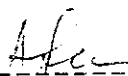
LAB NUMBER: 100116

CLIENT: SUBSURFACE CONSULTANTS

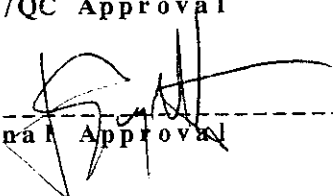
REPORT ON: 5 WATER SAMPLES

PROJECT #: 430.003
LOCATION: 13TH & JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 100116
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: 13TH & JEFFERSON

DATE RECEIVED: 04/09/90
DATE ANALYZED: 04/12/90
DATE REPORTED: 04/13/90
PAGE 2 OF 2

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
100116-1	47	ND(50)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
100116-2	48	ND(50)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
100116-3	49	ND(50)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
100116-4	51	ND(50)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
100116-5	52	ND(50)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	108

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 GC Job Number: 430-003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: RAPID (ASAP)

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
FL-108	S	T	12-29-89		TVH/BTXE	
PA-109	S	T	12-29-89		↓	
PA-110	S	T	1-2-90			
PA-111	S	T	1-2-90			

* * * * *

Released by: *[Signature]* Date: 1-2-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: *[Signature]* Date: 1-2-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Quetis & Tompkins
 Analytical Turnaround: RAPID (ASAP)

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-112	S	T	1-3-90		TVH/BTXE	
PA-113	↓	↓	↓		↓	
PA-114	↓	↓	↓		↓	
PA-115	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 1-3-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 1-3-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

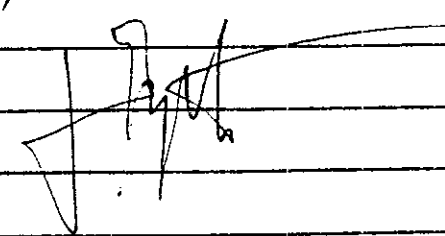
Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 S. I. Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID (ASAP)

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
DA-116	S	T	1-5-90		TVH/BTXE	
PA-117	"	"	"		"	

* * * * *

Released by: Dennis Alexander Date: 1-5-90
 Released by Courier: _____ Date: _____
 Received by Laboratory:  Date: 1-5-90 10:05
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID (ASAP)

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
DA-118	S	T	1-8-90		TVH/BTXE	
DA-119	↓	↓	↓		↓	
DA-120	↓	↓	↓		↓	
DA-121	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 1-8-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Henry A. Patten Date: 1-8-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)
 Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
SCI Job Number: 430.003
Project Contact at SCI: SEA CARSON
Sampled By: F. VELEZ
Analytical Laboratory: CURTIS & TOMPKINS
Analytical Turnaround: NORMAL

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-122	SOIL	T	1/11/90		TVH/BTXE	
PA-123	SOIL	T	1/11/90		TVH/BTXE	
PA 124	SOIL	T	1/11/90		TVH/BTXE	

* * * * *

Released by: [Signature] Date: 1-11-90
Released by Courier: _____ Date: _____
Received by Laboratory: Nancy Patton Date: 1/11/90 930am
Relinquished by Laboratory: _____ Date: _____
Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
-Notify SCI if there are any anomalous peaks on GC or other scans
-Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
DA-125	S	T	1-18-90		TVH/BTXE	
DA-126	↓	↓	↓		↓	
DA-127						

* * * * *

Released by: Dennis Alexander Date: 1-18-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Alanna Patton Date: 1/18/90 11:30
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 GC Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
DA-128	S	T	1-19-90		TUH/BTXE	
DA-129	S	T	1-19-90		TUH/BTXE	

* * * * *

Released by: Dennis Alexander Date: 1-19-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy J. Wick Date: 1/19/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
SCI Job Number: 430.003
Project Contact at SCI: SEAN CARSON
Sampled By: F. VELEZ
Analytical Laboratory: CURTIS & TOMPKINS
Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>PA-130</u>	<u>SOIL</u>	<u>T</u>	<u>1/22/90</u>		<u>TVH/BTXE</u>	
<u>PA-131</u>	<u>SOIL</u>	<u>T</u>	<u>1/22/90</u>		<u>TVH/BTXE</u>	

* * * * *

Released by: [Signature] Date: 1/22/90
Released by Courier: _____ Date: _____
Received by Laboratory: Nancy Patton Date: 1/22/90 1:30 pm
Relinquished by Laboratory: _____ Date: _____
Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
-Notify SCI if there are any anomalous peaks on GC or other scans
-Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
SCI Job Number: 430.003
Project Contact at SCI: Sean Carson
Sampled By: Dennis Alexander
Analytical Laboratory: Curtis & Tompkins
Analytical Turnaround: 5 day

<u>Sample ID</u>	<u>Sample Type¹</u>	<u>Container Type²</u>	<u>Sampling Date</u>	<u>Hold</u>	<u>Analysis</u>	<u>Analytical Method</u>
<u>PA-132</u>	<u>S</u>	<u>T</u>	<u>1-23-90</u>		<u>TUH/BTXE</u>	
<u>PA-133</u>	<u>S</u>	<u>T</u>	<u>1-23-90</u>		<u>TUH/BTXE</u>	

* * * * *

Released by: Dennis Alexander Date: 1-23-90
Released by Courier: _____ Date: _____
Received by Laboratory: Belinda Peters Date: 1-23-90
Relinquished by Laboratory: _____ Date: _____
Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
O = other (specify)

Notes to Laboratory:
-Notify SCI if there are any anomalous peaks on GC or other scans
-Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON

SCI Job Number: 430.003

Project Contact at SCI: SEAN CARSON

Sampled By: F. VELEZ

Analytical Laboratory: CURTIS & TOMPKINS

Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-134	SOIL	T	1/24/90		TVH/BTXE	
PA-135	SOIL	T	1/24/90		TVH/BTXE	
PA-136	SOIL	T	1/25/90		TVH/BTXE	
PA-137	SOIL	T	1/25/90		TVH/BTXE	
PA-138	SOIL	T	1/25/90		TVH/BTXE	
PA-139	SOIL	T	1/25/90		TVH/BTXE	

* * * * *

Released by: Dennis Alexander Date: 1-25-90

Released by Courier: _____ Date: _____

Received by Laboratory: Nancy Rubin Date: 1/26/90

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

- Sample Type: W = water, S = soil, O = other (specify)

2 Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
 SCI Job Number: 430.003
 Project Contact at SCI: SEAN CARSON
 Sampled By: Dennis Alexander
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: Five day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>PA-140</u>	<u>SOIL</u>	<u>T</u>	<u>1-25-90</u>		<u>TVH/BTXE</u>	
<u>PA-141</u>	<u>SOIL</u>	<u>T</u>	<u>1-25-90</u>		<u>TUH/BTXE</u>	

* * * * *

Released by: Dennis Alexander Date: 1-25-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Dennis Alexander Date: 1/25/90 2:00pm
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
 SCI Job Number: 430.003
 Project Contact at SCI: SEAN CARSON
 Sampled By: F. VELEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-142	SOIL	T	1/26/90		TVH/BTXE	
PA-143	SOIL	T	1/26/90		TVH/BTXE	
PA-144	SOIL	T	1/26/90		TVH/BTXE	
PA-145	SOIL	T	1/26/90		TVH/BTXE	

* * * * *

Released by: [Signature] Date: 1/26/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 1/26/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
SCI Job Number: 430.003
Project Contact at SCI: SEA CARSON
Sampled By: DENNISE ALEXANDER
Analytical Laboratory: CURTIS & TOMPKINS
Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-146	SOIL	T	1/29/90		TVH/BTXE	
PA-147	SOIL	T	1/29/90		TVH/BTXE	
PA-148	SOIL	T	1/29/90		TVH/BTXE	
PA-149	SOIL	T	1/29/90		TVH/BTXE	

* * * * *

Released by: [Signature] Date: 1/29/90
Released by Courier: _____ Date: _____
Received by Laboratory: Nomaf. Wilson Date: 1/29/90
Relinquished by Laboratory: _____ Date: _____
Received by: _____ Date: _____

- Sample Type: W = water, S = soil, O = other (specify)
2 Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
-Notify SCI if there are any anomalous peaks on GC or other scans
-Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 5 day

<u>Sample ID</u>	<u>Sample Type¹</u>	<u>Container Type²</u>	<u>Sampling Date</u>	<u>Hold</u>	<u>Analysis</u>	<u>Analytical Method</u>
<u>PA-150</u>	<u>S</u>	<u>T</u>	<u>1-30-90</u>		<u>TVH/BTXE</u>	
<u>PA-151</u>	<u>S</u>	<u>T</u>	<u>1-30-90</u>		<u>TVH/BTXE</u>	

* * * * *

Released by: ~~Dennis Alexander~~ John Wolfe Date: 1-30-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 1/30/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
 SCI Job Number: 430.003
 Project Contact at SCI: SEAN CARSON
 Sampled By: Dennis Alexander
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-152	SOIL	T	1-30-90		TVH/BTXE	
PA-153	SOIL	T	↓		↓	
PA-154	S	T				
PA-155	S	T				

* * * * *

Released by: Dennis Alexander Date: 1-30-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belench Peters Date: 1-30-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

& ANALYTICAL TEST REQUEST

Project Name: B & JEFFERSON
 SCI Job Number: 430.003
 Project Contact at SCI: SEAN CARSON
 Sampled By: E VELEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-156	SOIL	T	1-31-90		BTXE/TVH	Detection limit
PA-157	SOIL	T	1-31-90		BTXE/TVH	1ppm
PA-158	SOIL	T	2-1-90		BTXE/TVH	
PA-159	SOIL	T	2-1-90		BTXE/TVH	

* * * * *

Released by: [Signature] Date: 2/01/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belnick Peter Date: 2-01-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

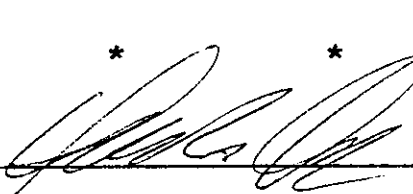
Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: B & JEFFERSON
 SCI Job Number: 430.003
 Project Contact at SCI: SEAN CARSON
 Sampled By: F. VELEZ
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 5 DAYS

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-160	SOIL	T	2-1-90		BTXE/TVH	1ppm <small>Detectory Limits</small>

* * * * *

Released by:  Date: 2-1-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Petrus Date: 2-1-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
PA-161	S	T	3-5-90		TUH/BTXE	
PA-162						
PA-163						
PA-164						
PA-165						
PA-166						
PA-167						
PA-168						
PA-169						
PA-170						

* * * * *

Released by: Dennis Alexander Date: 3-5-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Jewell Date: 3/5/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs. RAPID

Composites # A1
Composites A2

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A1-1	S	T	8-30-89		TVH	
A1-2						
A1-3						
A1-4					↓	
A2-1					TVH	
A2-2						
A2-3						
A2-4	↓	↓			↓	
GRN@5	S	P	↓		Oil & Grease	
	*	*	*	*	*	*

Released by: Dennis Alexander Date: 8-30-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 8/30/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430-003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: Rapid

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A3-1	S	T	9-19-89		TVH	
A3-2	↓	↓	↓		↓	
A3-3	↓	↓	↓		↓	
A3-4	↓	↓	↓		↓	
A4-1	S	T				
A4-2	↓	↓	↓		↓	
A4-3	↓	↓	↓		↓	
A4-4	↓	↓	↓		↓	

* * * * *

Composite A3
Composite A4

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: ~~24~~ Rapid

	Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Composite A/	A5-1	S	T	9-19-89		TVH	
	A5-2	↓	↓				
	A5-3	↓	↓				
	A5-4	↓	↓				
Composite A/	A6-1	S	T				
	A6-2	↓	↓				
	A6-3	↓	↓				
	A6-4	↓	↓				
		*	*	*	*	*	*

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Berinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A7-1	S	T	9-19-89		TVH	
A7-2	↓	↓	↓		↓	
A7-3	↓	↓	↓		↓	
A7-4	↓	↓	↓		↓	
A8-1	S	T				
A8-2	↓	↓	↓		↓	
A8-3	↓	↓	↓		↓	
A8-4	↓	↓	↓		↓	

* * * * *

COMPOSITE A7
COMPOSITE A8

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carlson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A9-1	S	T	9-19-89		TUH	
A9-2	↓	↓	↓		↓	
A9-3	↓	↓	↓		↓	
A9-4	↓	↓	↓		↓	
A10-1	S	T	↓		↓	
A10-2	↓	↓	↓		↓	
A10-3	↓	↓	↓		↓	
A10-4	↓	↓	↓		↓	
	*	*	*	*	*	*

Composite A9
Composite A10

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A11-1	S	T	9-19-89		TUH	
A11-2	↓	↓	↓		↓	
A11-3	↓	↓	↓		↓	
A11-4	↓	↓	↓		↓	
A12-1	S	T	9-20-89			
A12-2	↓	↓	↓		↓	
A12-3	↓	↓	↓		↓	
A12-4	↓	↓	↓		↓	

Composite A11

Composite A12

* * * * *

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430-003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A13-1	S	T	9-20-89		TVH	
A13-2	↓	↓	↓		↓	
A13-3	↓	↓	↓		↓	
A13-4	↓	↓	↓		↓	
A14-1	S	T				
A14-2	↓	↓	↓		↓	
A14-3	↓	↓	↓		↓	
A14-4	↓	↓	↓		↓	

Composite A13

Composite A14

* * * * *

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<i>COMPOSITE A15</i> A15-1	S	T	9-20-89 9-20-89		TVH	
A15-2	↓	↓	↓		↓	
A15-3	↓	↓	↓		↓	
A15-4	↓	↓	↓		↓	
<i>COMPOSITE A16</i> A16-1	S	T	↓		↓	
A16-2	↓	↓	↓		↓	
A16-3	↓	↓	↓		↓	
A16-4	↓	↓	↓		↓	
	*	*	*	*	*	*

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: DA. ~~Curt~~ 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carlson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Composite A17

Composite A18

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A17-1	S	T	9-21-89		TVH	
A17-2	↓	↓	↓		↓	
A17-3	↓	↓	↓		↓	
A17-4	↓	↓	↓		↓	
A18-1	S	T				
A18-2	↓	↓	↓		↓	
A18-3	↓	↓	↓		↓	
A18-4	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 9-21-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-21-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430-003
 Project Contact at SCI: Sean Carlson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A19-1	S	T	9-21-89		TUH	
A19-2						
A19-3						
A19-4	V	V				
A20-1	S	T				
A20-2						
A20-3						
A20-4	V	V	V		V	
	*	*	*	*	*	*

Released by: Dennis Alexander Date: 9-21-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Blenda Peters Date: 9-21-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carlson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A21-1	S	T	9-21-89		TUH	
A21-2						
A21-3						
A21-4	Y	Y				
A22-1	S	T				
A22-2						
A22-3						
A22-4	Y	Y				
	*	*	*	*	*	*

Composite A21
Composite A22

Released by: Dennis Alexander Date: 9-21-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-21-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Composite A23

Composite A24

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A23-1	S	T	9-21-89		TVH	
A23-2						
A23-3						
A23-4	∨	∨				
A24-1	S	T				
A24-2						
A24-3						
A24-4	∨	∨				
	*	*	*	*	*	*

Released by: Dennis Alexander Date: 9-21-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-21-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: John Wolfe
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A25-1	S	T	9-23-89		TVH	
A25-2	↓	↓	↓		↓	
A25-3	↓	↓	↓		↓	
A25-4	↓	↓	↓		↓	
A26-1	S	T				
A26-2	↓	↓	↓		↓	
A26-3	↓	↓	↓		↓	
A26-4	↓	↓	↓		↓	

Composite #25

Composite #26

* Sample from * middle of * tube * * *

Released by: Dennis Alefand Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-25-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
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 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: John Wolfe
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Composite A27

Composite A28

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A27-1	S	T	9-23-89		TVH	
A27-2	↓	↓				
A27-3	↓	↓				
A27-4	↓	↓				
A28-1	S	T				
A28-2	↓	↓				
A28-3	↓	↓				
A28-4	↓	↓				

* Sample from middle of tube * * *

Released by: Dennis Alexander Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-25-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: John Wolfe
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A29-1	S	T	9-23-89		TVH	
A29-2	↓	↓	↓		↓	
A29-3	↓	↓	↓		↓	
A29-4	↓	↓	↓		↓	
A30-1	S	T				
A30-2	↓	↓	↓		↓	
A30-3	↓	↓	↓		↓	
A30-4	↓	↓	↓		↓	

Composite

Composite

* Sample from middle of tube * * *

Released by: Dennis Alexander Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: John Wolfe
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

	Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Composite A21	A31-1	S	T	9-23-89		TVH	
	A31-2	↓	↓				
	A31-3	↓	↓				
	A31-4	↓	↓				
Composite A22	A32-1	S	T				
	A32-2	↓	↓				
	A32-3	↓	↓				
	A32-4	↓	↓				

* Sample from middle of tube * * *

Released by: Dennis Alexand Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-25-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<i>Composite A33</i> A33-1	S	T	9-25-89		TVH	
A33-2						
A33-3						
A33-4	∨	∨				
<i>Composite A34</i> A34-1	S	T				
A34-2						
A34-3						
A34-4	∨	∨	∨		∨	

* Sample from middle of tube * * * *

Released by: Dennis Alexander Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Berinda Peters Date: 9-25-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carlson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Composite A2 { A35-1 A35-2 A35-3 A35-4	S	T	9-25-89		TVH	
	↓	↓	↓		↓	
	↓	↓	↓		↓	
	↓	↓	↓		↓	
Composite A2 { A36-1 A36-2 A36-3 A36-4	S	T				
	↓	↓	↓		↓	
	↓	↓	↓		↓	
	↓	↓	↓		↓	

* Sample from middle of tube * * * * *

Released by: Dennis Alexander Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9/25/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Composite A37

Composite A38

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A37-1	S	T	9-25-89		TVH	
A37-2	↓	↓	↓		↓	
A37-3	↓	↓	↓		↓	
A37-4	↓	↓	↓		↓	
A38-1	S	T				
A38-2	↓	↓	↓		↓	
A38-3	↓	↓	↓		↓	
A38-4	↓	↓	↓		↓	

* Sample from middle of tube * * *

Released by: Dennis Alexander Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9/25/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<i>Composite A39</i> A39-1	S	T	9-25-89		TVH	
A39-2	↓	↓	↓		↓	
A39-3	↓	↓	↓		↓	
A39-4	↓	↓	↓		↓	
A39-5						
<i>Composite A40</i> A40-1	S	T				
A40-2	↓	↓	↓		↓	
A40-3	↓	↓	↓		↓	
A40-4	↓	↓	↓		↓	

* Sample from middle of tube * * * * *

Released by: Dennis Alexander Date: 9-25-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-25-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 24 hr. RAPID!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A41-1	S	T	9-28-89		TVH	
A41-2	↓	↓	↓		↓	
A41-3	↓	↓	↓		↓	
A41-4	↓	↓	↓		↓	
A42-1	S	T	↓		↓	
A42-2	↓	↓	↓		↓	
A42-3	↓	↓	↓		↓	
A42-4	↓	↓	↓		↓	

Composite A41

Composite A42

* * * * *

Released by: Dennis Alexander Date: 9-29-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Wallen Date: 9-29-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Project Name: 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 24 hr. RAPID!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A43-1	S	T	9-28-89		TVH	
A43-2						
A43-3						
A43-4	↓	↓				
A44-1	S	T				
A44-2						
A44-3						
A44-4	↓	↓	↓		↓	

Released by: Dennis Alexander Date: 9-29-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Walker Date: 9/29/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 24 hr. RAPID!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<i>Composite A45</i> A45-1	S	T	9-28-89		TVH	
A45-2						
A45-3						
A45-4	↓	↓	↓		↓	
<i>Composite A46</i> A46-1	S	T				
A46-2						
A46-3						
A46-4	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 9-29-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Harry Watten Date: 9/29/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 24 hr. RAPID!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<i>Composite A47</i> A47-1	S	T	9-28-89		TVH	
A47-2	↓	↓	↓		↓	
A47-3	↓	↓	↓		↓	
A47-4	↓	↓	↓		↓	
<i>Composite A48</i> A48-1	S	T				
A48-2	↓	↓	↓		↓	
A48-3	↓	↓	↓		↓	
A48-4	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 9-29-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Harry Watten Date: 9/29/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
SCI Job Number: 430.003
Project Contact at SCI: Sean Carson
Sampled By: Dennis Alexander
Analytical Laboratory: Curtis and Tompkins
Analytical Turnaround: 24 hr. RAPID!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<i>Composite A49</i> (A49-1	S	T	9-28-89		TVH	
A49-2						
A49-3						
A49-4						
<i>Composite A50</i> (A50-1	S	T				
A50-2						
A50-3						
A50-4						

* * * * *

Released by: Dennis Alexander Date: 9-29-89
Released by Courier: _____ Date: _____
Received by Laboratory: Henry W. Allen Date: 9/29/89
Relinquished by Laboratory: _____ Date: _____
Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
O = other (specify)

Notes to Laboratory:
-Notify SCI if there are any anomalous peaks on GC or other scans
-Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 24 hr. RAPID!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
B-1@26'	S	T	9-26-89		TUH/BTEX	
B-2@26'	↓	↓	↓		↓	
B-3@26'	↓	↓	↓			
B-4@26'	↓	↓	↓			
B-7@26'	S	T	9-27-89			
B-10@26'	↓	↓	↓		↓	
CSP-1	↓	↓	↓			
CSP-2	↓	↓	↓			

* * * * *

Released by: Dennis Alexander Date: 9-27-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-27-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)
 Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430-003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Cuetis and Tompkins
 Analytical Turnaround: 24 hr. RAPID!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
NW-1@25'	S	T	9-26-89		TVH/BTXE	
NW-2@25'						
SW-1@25'						
SW-2@25'						
W-1@25'						
W-2@25'						
W-3@25'						

* * * * *

Released by: Dennis Alexander Date: 9-27-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-27-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.803
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>EW-1@25'</u>	<u>S</u>	<u>T</u>	<u>9-26-89</u>		<u>TVH/BTXE</u>	
<u>EW-2@25'</u>	<u>S</u>	<u>T</u>				
<u>EW-3@25'</u>	<u>S</u>	<u>T</u>				
<u>EW-4@25'</u>	<u>S</u>	<u>T</u>				

* * * * *

Released by: Dennis Alexander Date: 9-27-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-27-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 24 hr. RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method ³
<u>CSP-3</u>	<u>S</u>	<u>T</u>	<u>9-28-89</u>		<u>TVH/BTXE</u>	
<u>CSP-4</u>	<u>S</u>	<u>T</u>	<u>"</u>			
<u>SP-5</u>	<u>S</u>	<u>T</u>	<u>9-29-89</u>			
<u>CSP-6</u>	<u>S</u>	<u>T</u>	<u>"</u>			
<u>B-5@34'</u>	<u>S</u>	<u>T</u>	<u>9-27-89</u>			
<u>B-6@30'</u>	<u>S</u>	<u>T</u>	<u>9-28-89</u>			
<u>B-8@30'</u>	<u>S</u>	<u>T</u>	<u>↓</u>		<u>↓</u>	
<u>B-9@30'</u>	<u>S</u>	<u>T</u>	<u>↓</u>		<u>↓</u>	

* * * * *

Released by: Dennis Alexander Date: 9-29-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Dennis Alexander Date: 9/29/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430-003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: Normal

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
CSP-7@17.5'	S	T	9/10-2-89		TVH/BTXE	
CSP-8@19.5'	↓	↓	↓		↓	
CSP-9@19'	↓	↓	↓		↓	
CSP-10@18.5'	↓	↓	↓		↓	
CSP-11@17.5'	↓	↓	↓		↓	
CSP-12@16.5'	↓	↓	↓		↓	
CSP-13@16'	S	T	10-3-89		TVH/BTXE	
CSP-14@15'	↓	↓	↓		↓	
CSP-15@14'	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 10-2-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 10-3-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
 SCI Job Number: 430.003⁽⁷⁾
 Project Contact at SCI: SEAN CARSON
 Sampled By: Dennis Alexander
 Analytical Laboratory: CURTIS & TOMPKINS
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C-9	SOIL	T	2-20-90		TVH/BTXE	
C-10	SOIL	T	↓		↓	
C-11	S	T				
C-12	S	T				
C-13	S	T				
C-14	S	T				
C-15	S	T				
C-16	S	T				

* * * * *

Released by: Dennis Alexander Date: 2-20-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 2-20-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13M + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C-17	S	T	2-22-90		TVH/BTXE	
C-18						
C-19						
C-20						
C-21						
C-22						
C-23						
C-24	↓	↓	↓		↓	
	*	*	*	*	*	*

Released by: Dennis Alexander Date: 2-22-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 2/22/90 12:50 PM
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & JEFFERSON
SCI Job Number: 430.003
Project Contact at SCI: SEAN CARSON
Sampled By: Dennis Alexander
Analytical Laboratory: CURTIS & TOMPKINS
Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C-25	SOIL	T	2-23-90		TVH/BTXE	
C-26	SOIL	T	↓		↓	
C-27	S	T				
C-28	S	T				
C-29	S	T				
C-30	S	T				

* * * * *

Released by: Dennis Alexander Date: 2-23-90
Released by Courier: _____ Date: _____
Received by Laboratory: Nancy Grew Date: 2-23-90
Relinquished by Laboratory: _____ Date: _____
Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
-Notify SCI if there are any anomalous peaks on GC or other scans
-Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
CSP-16	S	T	3-13-90		TVH/BTXE	
CSP-17	↓	↓	↓		↓	
CSP-18	↓	↓	↓		↓	

* * * * *

Released by: Dennis Alexander Date: 3-13-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy J. Wilson Date: 3/13/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID **ASAP**

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
B-11@30'	S	T	2-27-90		TVH/BTXE	
B-12@30'	S	T	↓			
B-13@30'	S	T				
EW-5@26'	S	T				
EW-6@26'	S	T				
* NW-3@26'	S	T				
* NW-4@26'	S	T				
* NW-5@26'	S	T				

* These samples to be done first & immediately!!!

Released by: Dennis Alexander Date: 2-28-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 2-28-90 10:10
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th & Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: RAPID

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
B-3B@29'	S	T	3-1-90		TVH/BTXE	
B-4B@29'	S	T	3-1-90		TVH/BTXE	
B-14@30'	S	T	2-28-90		TVH/BTXE	

* * * * *

Released by: Dennis Alexander Date: 3-2-90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 3-2-90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461


Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430,003
 Project Contact at SCI: Sean Carson
 Sampled By: John Wolfe, Chris O'Dea
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: Normal

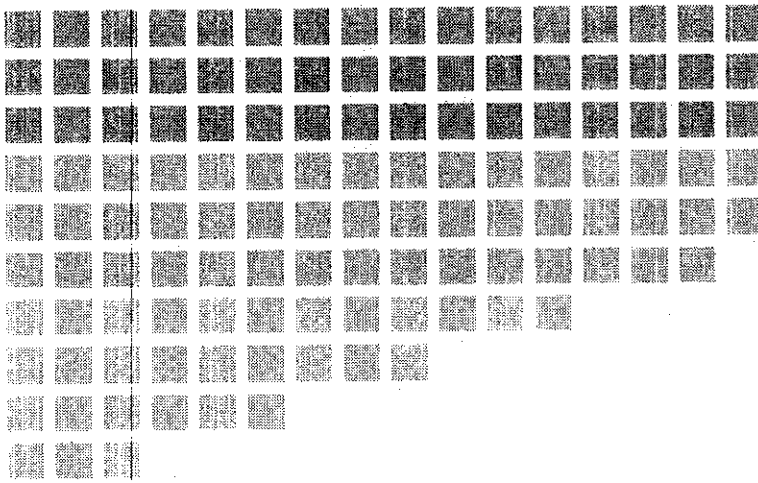
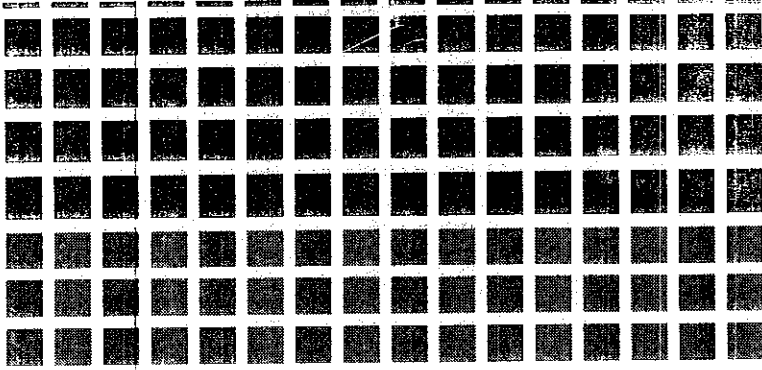
Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
47	W	1 liter plastic 3 VOAS ^{new}	4/6/90		TVH/BTXE	8015/602
48	W	"	"		" "	" "
49	W	"	"		" "	" "
51	W	"	"		" "	" "
52	W	"	"		" "	" "

* * * * *

Released by:  Date: 4/9/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancya Patten Date: 4/9/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461



12-6-90

■ Subsurface Consultants, Inc.

Dec 6, 1990

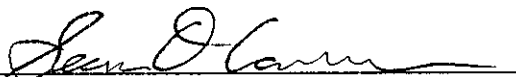
**CLOSURE REPORT
UNDERGROUND FUEL STORAGE TANK REMOVAL
AND GASOLINE CONTAMINATED
SOIL REMEDIATION
1330 MARTIN LUTHER KING, JR. WAY
OAKLAND, CALIFORNIA
SCI 430.002**

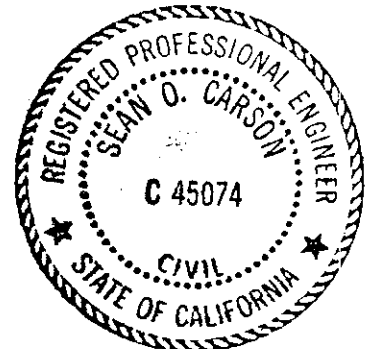
Dec 6, 1990

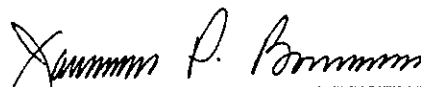
Prepared for:

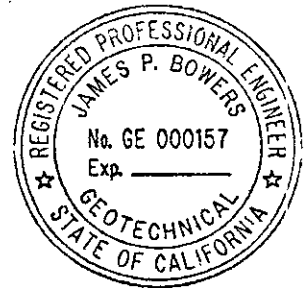
Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, California 94612

By:


Sean O. Carson
Civil Engineer 45074 (expires 3/31/94)

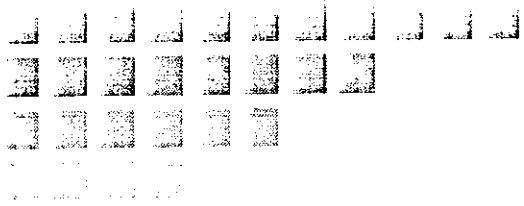



James P. Bowers
Geotechnical Engineer 157 (expires 3/31/91)



Subsurface Consultants, Inc.
171 12th Street, Suite 201
Oakland, California 94607
(415) 268-0461

December 6, 1990



James P. Bowers, PE
R. William Rudolph, Jr., PE

LETTER OF TRANSMITTAL

TO: Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, CA 94612

DATE: December 6, 1990
PROJECT: 1330 Martin Luther King, Jr. Way/Closure Report
SCE JOB NUMBER: 430.002

WE ARE SENDING YOU:

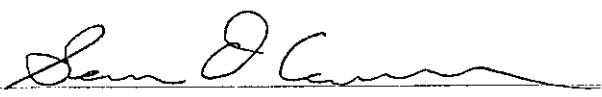
- 1 copies
- of our final report
- a draft of our report
- a Service Agreement
- a proposed scope of services
- specifications
- grading/foundation plans
- soil samples/groundwater samples
- an executed contract

- if you have any questions, please call
- for your review and comment
- please return an executed copy
- for geotechnical services
- with our comments
- with Chain of Custody documents
- for your use

90 DEC - 6 PM 11:35

REMARKS:

- COPIES TO:
- (1) Ms. Katherine Chesick, ACHCSA, Oakland, CA
 - (1) Mr. Lester Feldman, RWQCB, Oakland, CA
 - (1) Mr. Roy Ikeda, Crosby, Heafey, Roach & May, Oakland, CA
 - (1) Mr. Donnell Choy, City of Attorney, Oakland, CA

BY: 
Sean O. Carson

I INTRODUCTION

This report records the results of closure activities for a leaking underground fuel tank and associated contaminated soils at 1330 Martin Luther King, Jr. Way in Oakland, California. Subsurface Consultants, Inc. (SCI) has previously prepared several documents relating to the project. They are dated June 14 and 30, 1988, September 9, 1988, July 29, 1988, and November 20, 1989.

II PROJECT SUMMARY

Soil contamination resulted from the leakage of a 550-gallon underground gasoline storage tank located beneath the sidewalk on the east side of Martin Luther King, Jr. Way. The tank was situated approximately 50 feet south of 14th Street (see Plate 1). The leak was first discovered while drilling a test boring adjacent to the tank in June 1988. The tank was removed on June 17, 1988 by the Cleveland Wrecking Company. Representatives from the Alameda County Health Care Services Agency (ACHCSA) and the Oakland Fire Department (OFD) were on site to observe tank removal. SCI obtained a soil sample from below the tank for subsequent analytical testing. The analytical results confirmed the presence of gasoline in the soil below the tank. Further investigation revealed significant soil contamination. Gasoline contamination extended to groundwater and has migrated off-site toward the northwest. Beginning December 2nd, 1988, approximately 4000 cubic

yards of clean and contaminated soil were excavated during onsite remediation efforts, subsequently, referred to as Phase 1 of the cleanup. The contaminated soils were aerated onsite until total volatile hydrocarbon (TVH) concentrations were non-detectable (ND). The excavation was then backfilled with clean and aerated soils. SCI observed backfilling operations and tested fill compaction. Backfilling and compaction operations were completed on July 11, 1989. Details of the work that was performed are presented in subsequent sections of this report.

III TANK REMOVAL AND SOIL SAMPLING

The top of the fuel tank was exposed by the Cleveland Wrecking Company. Approximately 150 gallons of liquid were pumped from the tank and removed from the site under manifest by H & H Ship Service Company, a certified hazardous waste hauler. The liquid was recycled at the H&H facility. Approximately 25 pounds of dry ice were added to the tank. The atmosphere inside the tank was subsequently checked using a combustible gas meter. The tank was removed when the lower explosive limit (LEL) was less than 10 percent. The tank was severely corroded; numerous holes were noted in the tank.

One soil sample was obtained from the lower side wall of the tank excavation. The bottom of the excavation contained standing water resulting from a leaking water pipe. Analytical test reports are presented in the Appendix; the results are summarized below.

Table 1. Contaminant Concentrations in Soil Below Tank

<u>Sample</u>	<u>TEH¹</u> <u>(mg/kg)²</u>	<u>Benzene</u> <u>(ug/kg)³</u>	<u>Toluene</u> <u>(ug/kg)</u>	<u>Total</u> <u>Xylenes</u> <u>(ug/kg)</u>	<u>Ethyl-</u> <u>benzene</u> <u>(ug/kg)</u>
Fill end of tank	1,000	790	1,200	38,000	7,300

¹ TEH = Total extractable hydrocarbons as gasoline, EPA 3550/8015

² mg/kg = milligrams per kilogram or parts per million (ppm)

³ ug/kg = micrograms per kilogram or parts per billion (ppb)

IV SOIL EXCAVATION AND CONFIRMATION SAMPLING

The analytical test results performed on soils situated below the tank indicated that the tank had leaked. Consequently, SCI conducted an investigation to characterize the contamination problem. The results of these studies are recorded in SCI reports dated July 29, 1988 and September 28, 1988. As a result of these studies, it was concluded that (1) soil and groundwater remediation were appropriate, (2) it would be most cost effective to remediate soil contamination in areas accessible by excavation first (Phase 1) and to address soil contamination off-site (Phase 2) at a later date, and (3) onsite remediation should consist of the excavation and aeration of the contaminated soils.

Contaminated soils were excavated to the lateral extent shown on Plate 1 and to depths of approximately 31 feet below street grades. The excavation extended westward beneath Martin Luther King, Jr. Way, as far as underground utilities would permit.

Approximately 4000 cubic yards of soil were removed from the excavation, half of which were contaminated with gasoline. Gasoline-contaminated soil was stockpiled, aerated onsite, and then used to backfill the excavation.

Upon completion of excavation, 5 soil samples were obtained from along the bottom of the excavation and 6 samples were taken from the excavation side walls. The soil samples were analyzed for total volatile hydrocarbons in accordance with the EPA 5030/8015 method. The analytical results indicated that the soils exposed at the bottom of the excavation contained no detectable concentrations of TVH. The wall samples did not contain TVH concentrations above detection limits, except along the west and northwest walls of the excavation, where TVH concentrations of 1000 ppm and 600 ppm, were detected respectively. Contaminated soils were left in place beyond the limits of excavation because of physical constraints associated with underground utilities and the adjacent streets. The analytical data and our field observations indicate that all contaminated soils were removed within the property limits. The contaminated soils left in place beneath Martin Luther King, Jr. Way will be remediated during subsequent phases of clean-up. Analytical test reports are presented in the Appendix and are summarized in Table 2. Sample locations are shown on Plate 1.

Table 2. Contaminant Concentrations in Soil Following Excavation

<u>Sample</u>	<u>TVH¹, as Gasoline (mg/kg)²</u>
NC @ 26'	ND ³
ND @ 26'	600
SC @ 26'	Trace
WF @ 31'	ND
EF @ 30'	ND
EF1 @ 29'	ND
EFC @ 28'	ND
WF2 @ 31'	ND
WW @ 26'	1000
EW @ 26'	ND
EW1 @ 26'	ND

¹ TVH = Total volatile hydrocarbons, as gasoline (EPA 5030/8015)

² mg/kg = milligrams per kilogram or parts per million (ppm)

³ ND = Not detected at concentrations above detection limits

Before backfilling the excavation, a groundwater extraction sump was constructed in the excavation. The sump was installed to allow contaminated groundwater in the area to be removed following soil remediation. The sump consists of a 24-inch-diameter, corrugated metal pipe which extends into a layer of gravel placed in the bottom of the excavation. A geotextile fabric was placed over the gravel to limit the migration of fine-grained soils. The corrugated metal pipe was fitted with a locking cover and is covered at the sidewalk level by a manhole. Its location is shown on Plate 1.

Clean and aerated soils were used to backfill the excavation. Laboratory compaction tests and field check points were conducted in accordance with the ASTM D1557-78 test procedure to evaluate the optimum moisture content and the maximum dry

density of fill materials. Field density tests were performed on the backfill using nuclear methods, in accordance with ASTM D2922-71. The test results indicated that the fill tested has been compacted to at least 90 percent relative compaction. The results of the compaction and field density tests will be kept in our files for future reference.

V SOIL AERATION

Soil aeration methods were consistent with the requirements of the Bay Area Air Quality Management District (BAAQMD). The contaminated soil was excavated, stockpiled separately from non-contaminated soils, and covered with an impermeable membrane. Prior to aeration, samples of the contaminated soil were obtained, composited and analytically tested to determine TVH, TEH and BTXE concentrations. One composite sample was taken per 50 cubic yards (cy) of soil. Fifty-one composite samples were obtained for an estimated 2550 cy of contaminated soil. In some instances, individual samples were analyzed. The contaminated soil was then aerated according to rates required by the BAAQMD. During aeration, the contaminated soil was spread in thin layers within the designated aeration area east of the excavation. The material was frequently turned until field organic vapor measurements were non-detectable, at which time samples were obtained of the aerated soil and analyzed for TVH and BTXE. The aerated soil was sampled at a rate of 1 composite sample per 100 cy in accordance with

Regional Water Quality Control Board (RWQCB) guidelines. The aerated soil was reused as excavation backfill. Analytical test reports for analyses performed during aeration are presented in the Appendix and are summarized in Tables 3 and 4, respectively. As Table 4 reveals, very low concentrations, i.e. 26 to 63 ug/kg, of toluene, xylenes, and ethylbenzene were detected in some of the soils following aeration.

Table 3. Pre-Aeration Contaminant Concentrations

<u>Sample Designation</u>	<u>TVH¹ (mg/kg)²</u>	<u>TEH⁴ (mg/kg)</u>
1 (A1-A4)	TR ³	
2 (A5-A8)	45	
3 (A9-A12)	25	
4 (A21-A24)	190	
5 (A25-A28)	ND ⁵	
6 (A29-A32)	ND	
7 (A33-A36)	18	
A37	168	
A38	64	
A39	ND	
A40	ND	
9 (A41-A44)	ND	
10 (A45-A48)	125	
11 (A49-A52)	ND	
A49		ND
A50		TR
A51		TR
A52		ND
12 (A53-A56)	ND	
16 (A57-A60)		900 (gas)
17 (A61-A64)		1150 (gas)
18 (A65-A68)		320 (gas)
19 (A69-A72)	ND	
A70		170 (gas)
20 (A73-A76)	ND	
A76		TR (gas)
21 (A77-A80)	ND	
22 (A81-A84)	ND	
A82		ND
23 (A85-A88)	ND	
A85		ND
24 (A89-A92)	ND	
A91		ND
25 (A93-A96)	ND	
A95		190 (gas)
26 (A97-A100)	1500	
27 (A101-A104)	3200	
28 (A105-A108)	2300	
29 (A109-A112)	4900	
30 (A113-A116)	250	
31 (A117-A120)	86	
32 (A121-A124)	1700	
33 (A125-A128)	270	
34 (A129-A132)	1100	
35 (A133-A136)	416	

Table 3. Pre-Aeration Contaminant Concentrations (cont'd)

<u>Sample Designation</u>	<u>TVH (mg/kg)</u>	<u>Benzene (ug/kg)</u>	<u>Toluene (ug/kg)</u>	<u>Total Xylenes (ug/kg)</u>	<u>Ethylbenzene (ug/kg)</u>
37	ND				
38	69				
39	ND				
40	97				
41	TR				
42	TR				
46	150	ND	280	4800	270
47	98	ND	720	4900	290
48	ND	ND	ND	14	ND
49	12	ND	ND	28	ND
50	ND	ND	ND	ND	ND
56	100	ND	ND	3800	200
57	64	ND	ND	1800	ND
58	28	ND	48	740	30
59	300	490	2600	16000	2000
65	51				
66	90				
67	120				
68	72				

-
- 1 TVH = total volatile hydrocarbons, as gasoline (EPA 8015/5030)
 - 2 mg/kg = milligrams per kilogram
 - 3 TR = trace, i.e. concentration at or near detection limits
 - 4 TEH = total extractable hydrocarbons, as gasoline (EPA 8015/3550)
 - 5 ND = none detected, not present at concentrations above detection limits

Table 4. Post-Aeration Contaminant Concentrations

<u>Sample Designation</u>	<u>TVH (mg/kg)</u>	<u>Benzene (ug/kg)</u>	<u>Toluene (ug/kg)</u>	<u>Total Xylenes (ug/kg)</u>	<u>Ethylbenzene (ug/kg)</u>
13	ND	ND	ND	ND	ND
14	ND	ND	ND	ND	ND
15	ND	ND	ND	ND	ND
36	ND	ND	ND	ND	ND
44	ND	ND	26	ND	42
45	ND	ND	18	ND	ND
51	ND	ND	ND	ND	ND
52	ND	ND	ND	ND	ND
53	ND	ND	ND	ND	ND
54	ND	ND	ND	ND	ND
55	ND	ND	ND	ND	ND
60	ND	ND	ND	ND	ND
61	ND	ND	ND	ND	ND
62	ND	ND	ND	ND	ND
63	ND	ND	38	ND	ND
64	ND	ND	ND	ND	ND
69	ND	ND	ND	ND	ND
70	ND	ND	ND	ND	ND
71	ND	ND	ND	63	ND
72	ND	ND	ND	ND	ND
73	ND	ND	ND	ND	ND
74	ND	ND	ND	ND	ND
75	ND	ND	ND	ND	ND
76	ND	ND	ND	ND	ND
77	ND	ND	38	ND	ND
78	ND	ND	ND	ND	ND
79	ND	ND	ND	ND	ND
80	ND	ND	ND	ND	ND

VI SAMPLING PROCEDURES

Sampling from the excavation bottom and sidewalls, and aeration stockpiles was performed using the following procedure: approximately 3 inches of soil were scraped away from the surface, and a new clean brass sample liner was driven into the soil with a rubber mallet. The ends of the liner were subsequently covered with Teflon sheeting, capped, sealed with tape and labelled. The samples were placed in an ice-filled cooler and transported to the analytical laboratory. Chain-of-Custody records accompanied the samples to the laboratory and are presented in the Appendix.

VI ANALYTICAL TESTING

Analytical testing was performed by Curtis & Tompkins, Ltd., a California Department of Health Services (DHS) certified laboratory. The analytical tests were directed toward the materials stored in the tank, i.e., gasoline. The analyses included:

1. Total volatile hydrocarbons (TVH); sample preparation using EPA Method 5030 (purge and trap) and analysis using EPA Method 8015 (gas chromatograph coupled to a flame ionization detector),
2. Benzene, Toluene, Xylene and Ethylbenzene (BTXE); sample preparation using EPA Method 5030 (purge and trap) and analysis using EPA Method 8020 (gas chromatography coupled to a photo ionization detector).
3. Total extractable hydrocarbons (TEH); sample preparation using EPA Method 3550 (sonication extraction) and analysis by EPA Method 8015.

VIII CONCLUSIONS

Based upon our observations and analytical test results, we conclude that the closure of the 550-gallon tank and soil remediation within the Phase 1 (onsite) area has been completed satisfactorily. Soil containing elevated concentrations of gasoline and BTXE was encountered within the excavation. Approximately 2550 cubic yards of contaminated soil were removed. ^{offsite} Analytical results indicate that TVH, as gasoline, have been removed to below detectable concentrations within the Phase 1 remediation area. However, gasoline contamination does remain in areas outside the property boundary west and northwest of the excavation. These contaminated soils are situated primarily beneath Martin Luther King, Jr. Way and will be remediated during subsequent cleanup efforts. Off-site soil remediation will involve soil vapor extraction and treatment technology.

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no disposal
doc - here

List of Attached Plates:

Plate 1 Site Plan and Extent of Soil Remediation
Plate 2 Cross Sections

Appendix: Analytical Test Reports
Chain-of-Custody Documents
Underground Tank Removal Modification Plans

Distribution:

1 copy: Mr. John Esposito
Bramalea Pacific
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Oakland, California 94612

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City of Oakland
Office of Economic Development and Employment
1333 Broadway, #900
Oakland, California 94612

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Alameda County Health Care Services Agency
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Oakland, California 94521

1 copy: Mr. Lester Feldman
Regional Water Quality Control Board
1800 Harrison, Suite 700
Oakland, California 94612

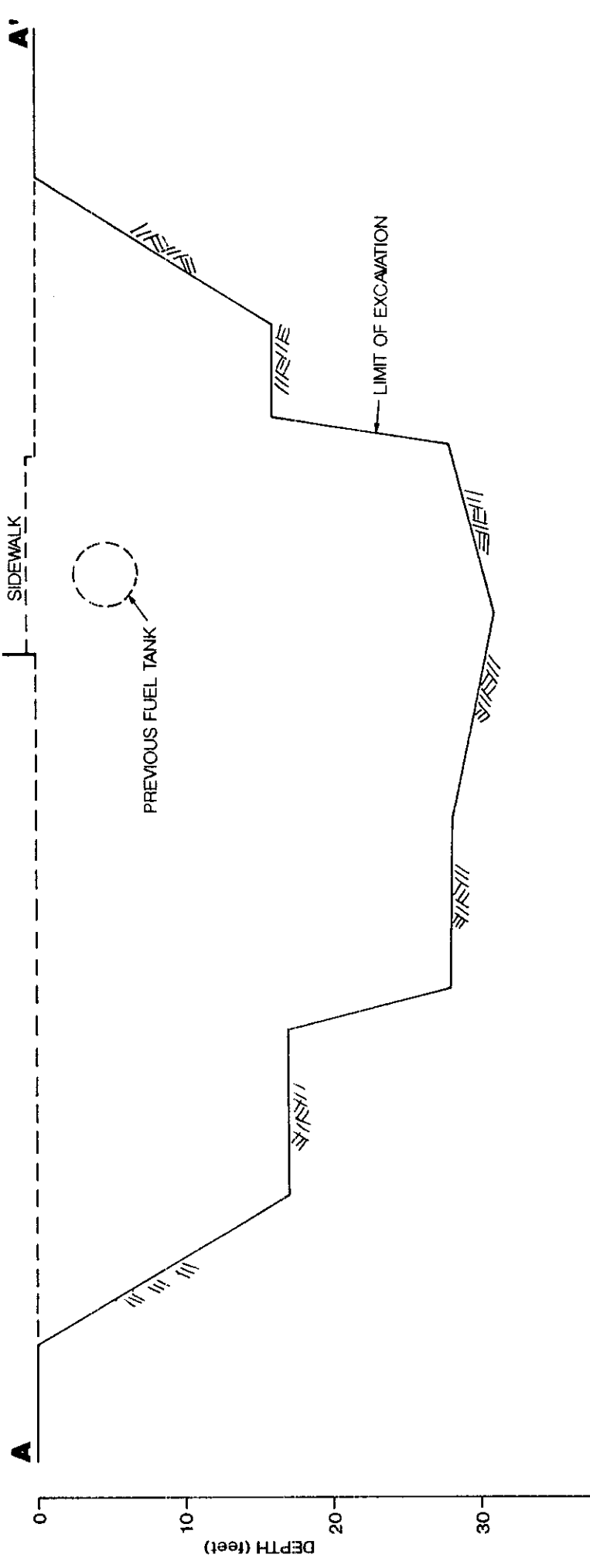
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Oakland, California 94612

SOC:JPB:RWR:sld

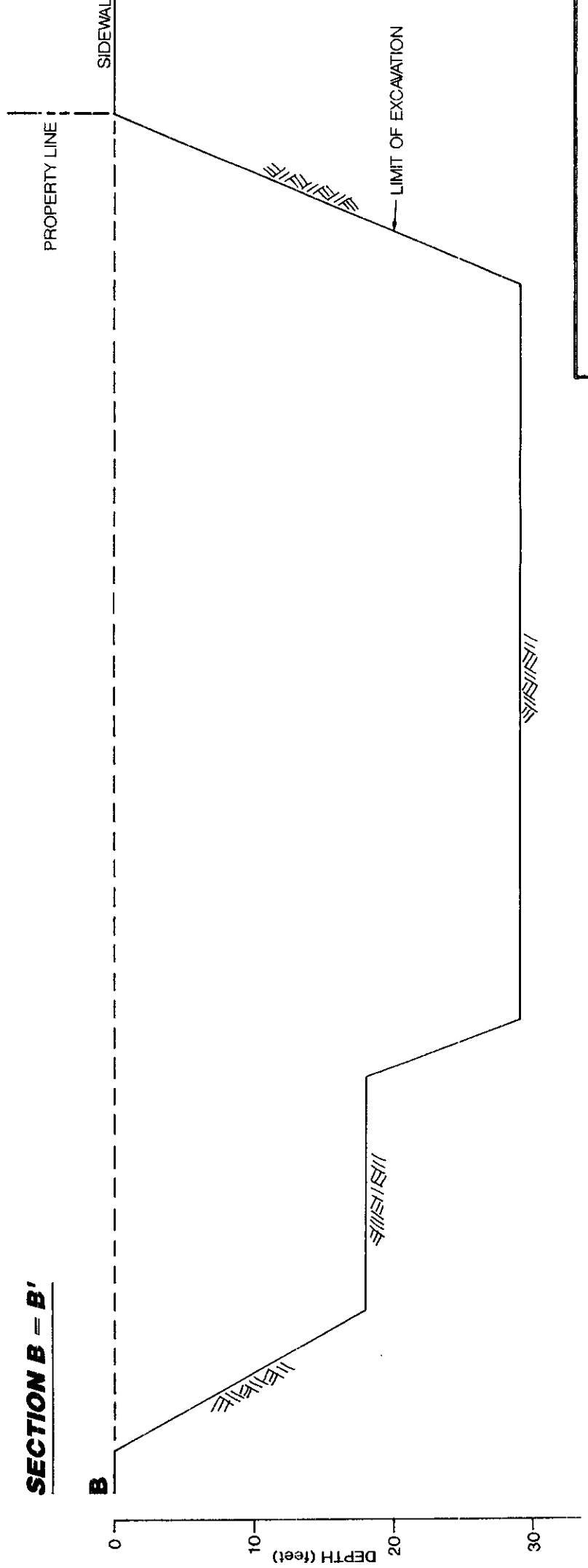
SECTION A - A'

MARTIN LUTHER KING JR. WAY



SECTION B - B'

14TH STREET

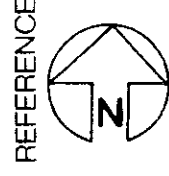
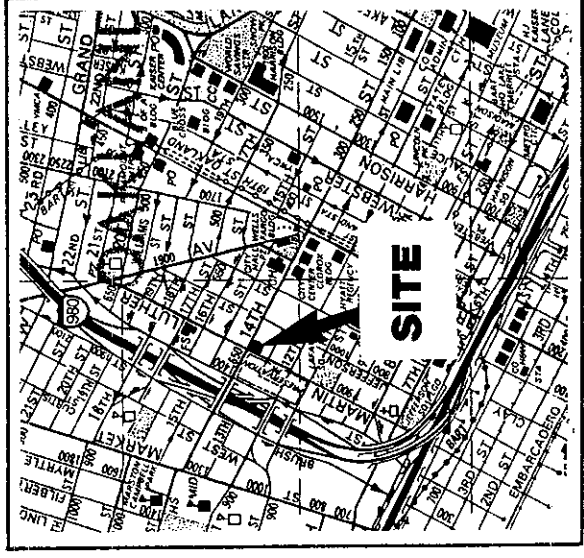
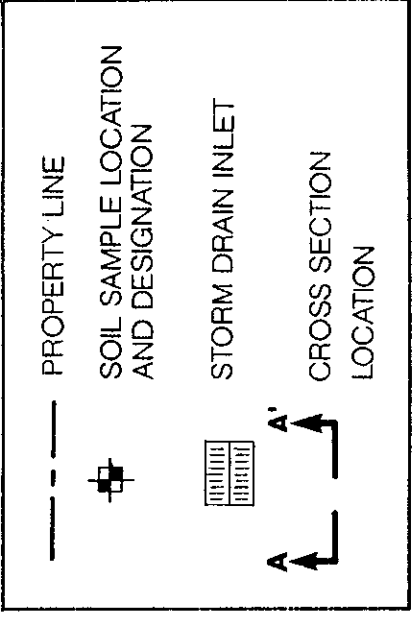
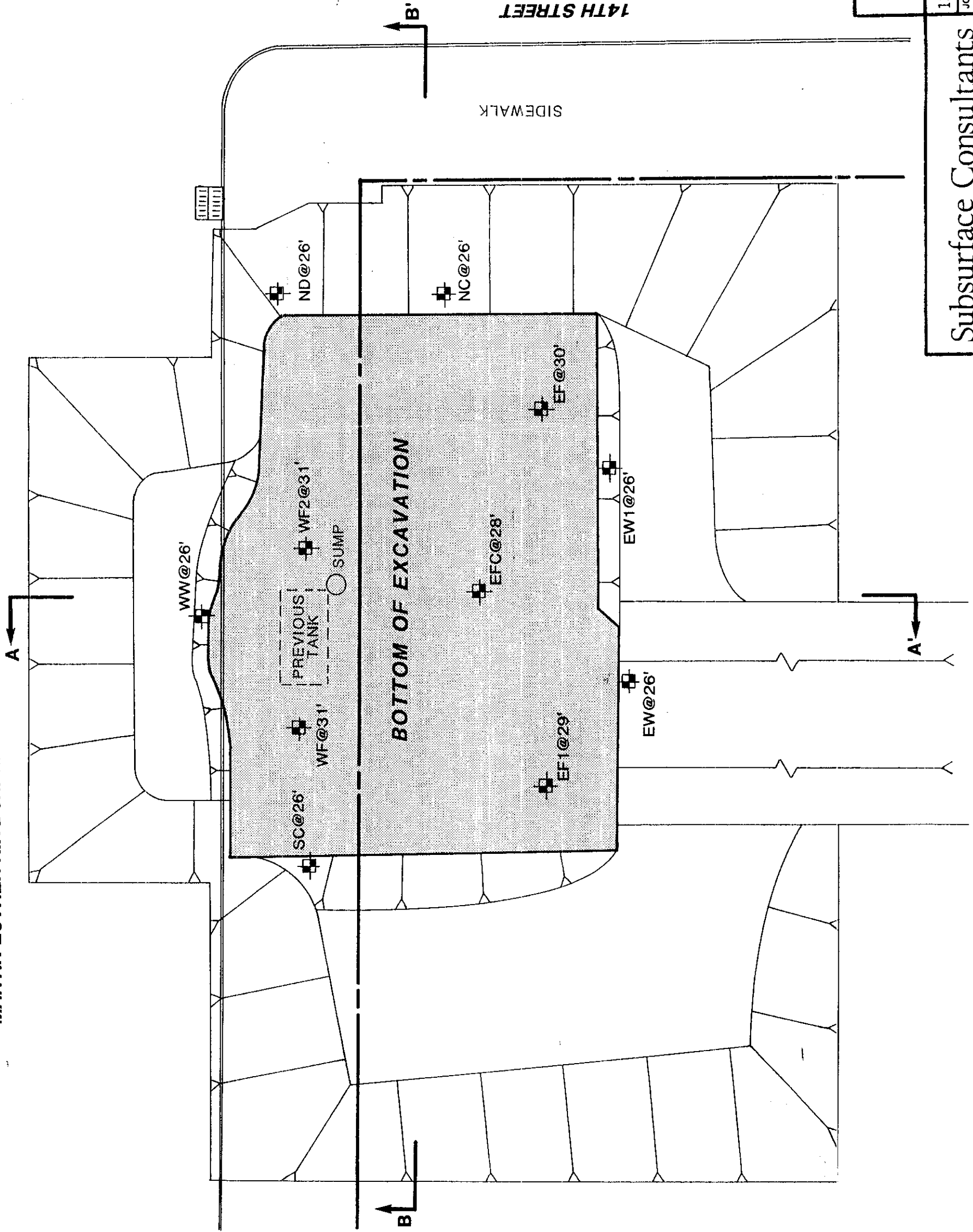


CROSS SECTIONS A-A' AND B-B'

Subsurface Consultants

1330 MARTIN LUTHER KING, JR. WAY - OAK	DATE	APPROVED	PLATE
JOB NUMBER 430.002	12/6/90	<i>[Signature]</i>	2

MARTIN LUTHER KING JR. WAY



SITE PLAN AND
EXTENT OF SOIL REMEDIATION

1330 MARTIN LUTHER KING, JR. WAY - OAK.	DATE	APPROVED	PLATE
JOB NUMBER 430.002	9/12/89	<i>[Signature]</i>	1

Subsurface Consultants

Excavation Permit Granted No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9116

Oakland, California, June 17, 19 88

PERMISSION IS HEREBY GRANTED TO ~~REMOVE~~ remove ~~EXISTING~~ Gasoline tank and excavate commencing _____ feet inside curb line

on the east side of Martin Luther King Jr. Way 50 feet south of 14th St. Street Avenue

House No. 1330 Martin Luther King Jr. Way Street Avenue Present Storage

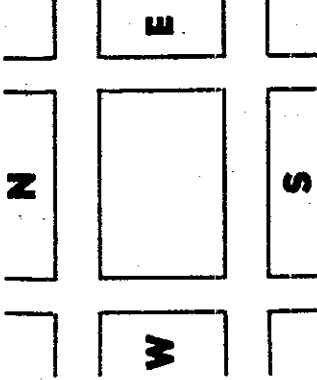
Address 1417 Clay St. 2nd Floor Phone 273-3692

Applicant Subsurface Consultants, Inc. Address 171 - 12th St. Ste. 201 Phone 94607

Dimensions of street (sidewalk) surface to be disturbed X Number of Tanks 1 Capacity 550 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.



Approved _____ Fire Marshal

Approved _____ Drainage Division Engineering Dept.

EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

The receipt of \$ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

By _____ Fire Marshal

Inspection Fee Paid \$ 50.00 ck#4990 rec#120872

Received by G. M. Johnson FIRE PREVENTION BUREAU

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

Must have these plans for tank removal only. A proposal for additional site characterization and remediation must be submitted to this office within 60 days of tank removal. R

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 470 - 27TH ST., RM. 322
 OAKLAND, CA 94612
 PHONE NO. 415/874-3237

DEPARTMENT OF ENVIRONMENTAL HEALTH
 470 - 27th Street
 Oakland, CA 94612
 Telephone: (415) 874-3237

These plans have to be reviewed and approved by the Department of Environmental Health and the Department of Public Health and the Department of Public Works. The Department of Public Health and the Department of Public Works are to review the plans and to issue a permit for the project. The Department of Environmental Health is to review the plans and to issue a permit for the project. The Department of Environmental Health is to review the plans and to issue a permit for the project.

Costs of these plans must be as the contractor and draft must be approved by the Department of Environmental Health and the Department of Public Health and the Department of Public Works. The Department of Public Health and the Department of Public Works are to review the plans and to issue a permit for the project. The Department of Environmental Health is to review the plans and to issue a permit for the project.

721-4320
 Project # U505297
 Fee Paid \$300.00
 Date 6/14/88

Patricia Chark

REMOVAL UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name N/A
 Business Owner N/A

2. Site Address 1330 Martin Luther King, Jr. Way
 City Oakland Zip 94607 Phone _____

3. Mailing Address 1417 Clay Street, 2nd Floor
 City Oakland Zip 94612 Phone (415) 273-3692

4. Land Owner Oakland Redevelopment Agency
 Address 1417 Clay St., 2nd Floor City, State Oakland, CA zip 94612

5. EPA I.D. No. CAC 0000 92669

6. Contractor Cleveland Wrecking Company
 Address 2670 Third Street
 City San Francisco, California Phone (415) 824-1411
 License Type A, B, C 21 ID# 21064

7. Other (Specify) Subsurface Consultants, Inc.
 Address 171 12th Street, Suite 201
 City Oakland, California Phone (415) 268-0461

8. Contact Person for Investigation

Name James P. Bowers Title Project Manager
Subsurface Consultants, Inc.
Phone (415) 268-0461

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office?
Yes [X] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H & H Ship Service Company EPA I.D. No. CAD 004771168
Address 220 China Basin
City San Francisco State CA Zip 94101

b) Rinsate Transporter

Name _____ EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank Transporter

Name H & H Ship Service Company EPA I.D. No. CAD 004771168
Address 220 China Basin
City San Francisco State CA Zip 94101

d) Contaminated Soil Transporter

Name _____ EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

12. Sample Collector

Name James P. Bowers
Company Subsurface Consultants, Inc.
Address 171 12th Street, Suite 201
City Oakland, State CA Zip 94607 Phone (415) 268-0461

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
550 gallons	Gasoline	N/A Tank Empty	N/A Tank Empty

14. Have tanks or pipes leaked in the past? Yes No

If yes, describe. Analytical tests performed on soil samples obtained from a test boring drilled adjacent to tank indicate past tank/piping leakage.

15. NFPA methods used for rendering tank inert? Yes No

If yes, describe. (1) Empty tank of all residual materials, (2) Addition of 3.0 pounds of dry ice per 100 gallons of tank volume. Therefore, approximately 20 pounds of ice will be added.

16. Laboratories

Name Curtis & Tompkins, Ltd.

Address 290 Division Street

City San Francisco State CA Zip 94103

State Certification No. 159

An explosionproof combustible gas meter shall be used to verify tank inertness to < 10% LEL

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Total Volatile Hydrocarbons <i>Benzene, Toluene, Xylene, Ethylbenzene</i> <i>Lead, Total</i>	EPA 5030 (purge and trap extraction) <i>EPA 3010/3020/3050</i>	EPA 8015, modified (gas chromatography/flame ionization detector) <i>EPA 8020</i> <i>EPA 7421</i>

18. Site Safety Plan submitted? Yes No

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer Liberty Mutual Insurance

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Mr. Judd Bosley
Signature *J. Bosley*
Date 6/13/88

Signature of Site Owner or Operator

Name (please type) Ms. Lois Parr
Signature *Lois Parr*
Date 6/14/88

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.

5. Triple rinse means that:

- a) final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1) Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
- b) tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
- c) tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

6. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A
SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

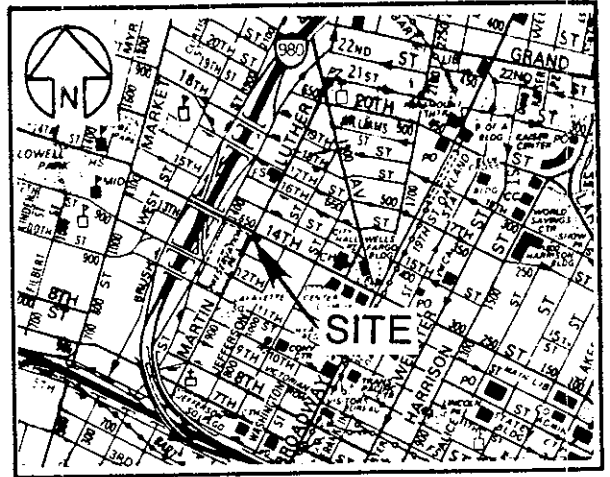
19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale
- b) North Arrow
- c) Property Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

NOTE: Groundwater was encountered at a depth of 29.5 feet below the sidewalk during drilling. This does not represent a stabilized condition.



VICINITY MAP

14th STREET

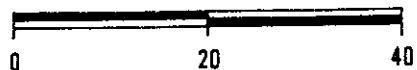
MARTIN LUTHER KING JR. WAY

PROPERTY LINE

TANK

CONCRETE ISLAND

APPROXIMATE SCALE (feet)



SITE PLAN

Subsurface Consultants

MARTIN LUTHER KING JR. WAY - OAKLAND, CA

JOB NUMBER
430.001

DATE
6/14/88

APPROVED

PLATE

1

Certificate of Insurance

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON YOU THE CERTIFICATE HOLDER. THIS CERTIFICATE IS NOT AN INSURANCE POLICY AND DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW.

This is to Certify that

CLEVELAND WRECKING COMPANY
 2670 Third Street
 P.O. Box 410450
 San Francisco, CA 94141-0450

Name and address of Insured.



is, at the issue date of this certificate, insured by the Company under the policy(ies) listed below. *The insurance afforded by the listed policy(ies) is subject to all their terms, exclusions and conditions and is not altered by any requirement, term or condition of any contract or other document with respect to which this certificate may be issued.

TYPE OF POLICY		CERT. EXP. DATE	POLICY NUMBER	LIMITS OF LIABILITY	
WORKERS' COMPENSATION		8/1/88	WC2-181-012385-347 WC1-181-012385-367 WC2-181-012385-387	COVERAGE AFFORDED UNDER W.C. LAW OF THE FOLLOWING STATES: All states excluding monopolistic state fund states	COV. B BODILY INJURY BY ACCIDENT \$ 500,000 EA. ACCIDENT BODILY INJURY BY DISEASE \$ 500,000 EA. PERSON BODILY INJURY BY DISEASE \$ 500,000 POLICY LIMIT
GENERAL LIABILITY	<input checked="" type="checkbox"/> COMPREHENSIVE FORM <input type="checkbox"/> SCHEDULE FORM	8/1/88	LG1-181-012385-667	BODILY INJURY	PROPERTY DAMAGE
	<input checked="" type="checkbox"/> PRODUCTS COMPLETED OPERATIONS <input type="checkbox"/> INDEPENDENT CONTRACTORS/CONTRACTORS PROTECTIVE <input checked="" type="checkbox"/> CONTRACTUAL LIABILITY <input checked="" type="checkbox"/> X,C,U Property Damage			\$ 2,000,000 EACH OCCURRENCE	\$ 2,000,000 EACH OCCURRENCE
				\$ 2,000,000 AGGREGATE	\$ 2,000,000 AGGREGATE
COMBINED SINGLE LIMIT BODILY INJURY AND PROPERTY DAMAGE				\$	EACH OCCURRENCE
				\$	AGGREGATE
AUTOMOBILE LIABILITY	<input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> NON-OWNED <input checked="" type="checkbox"/> HIRED	8/1/88	AS1-181-012385-677	\$ 2,000,000	EACH ACCIDENT-SINGLE LIMIT-B.I. AND PD. COMBINED
				\$	EACH PERSON EACH ACCIDENT OR OCCURRENCE
				\$	EACH ACCIDENT OR OCCURRENCE
OTHER	Umbrella Excess Liability		8/1/88 LE1-181-012385-757	\$3,000,000 Combined Single Aggregate Limit overriding all underlying liability limits.	
	SEE ADDITIONAL INSUREDS LIST ATTACHED				
WAIVER OF SUBROGATION					
DESCRIPTION(S) OF OPERATIONS & JOB # (If Applicable)			DESCRIPTION OF OPERATIONS:		
1330 Martin Luther King, Jr. Way Oakland, CA			Firehouse demolition		

NOTE: You will NOT be notified annually of the continuation of this coverage. You will be notified if this coverage is terminated or reduced.

NOTICE OF CANCELLATION: THE COMPANY WILL NOT TERMINATE OR REDUCE THE INSURANCE AFFORDED UNDER THE ABOVE POLICIES UNLESS 30 DAYS NOTICE OF SUCH TERMINATION OR REDUCTION HAS BEEN

MAILED TO:

BRAMALEA PACIFIC
 1221 Broadway, Suite 1800
 Oakland, CA 94612

CERTIFICATE HOLDER →

Attn: Leah Segawa

Betty F. Williams

AUTHORIZED REPRESENTATIVE

Pittsburgh, PA

3/28/88 aw

DATE ISSUED

OFFICE

ADDITIONAL INSURED:

1.) CITY OF OAKLAND
c/o Oakland Office of Economic
Development and Employment
1417 Clay Street
Oakland, CA 94612

Attn: Lois Parr

2.) OAKLAND REDEVELOPMENT AGENCY
1417 Clay Street
Oakland, CA 94612

Attn: Lois Parr

3.) BRAMALEA PACIFIC
1221 Broadway, Suite 1800
Oakland, CA 94612

Attn: Leah Segawa



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

290 Division Street, San Francisco, CA 94103, Phone (415) 861-1863

JOB NUMBER: 14932
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 430.001
PROJECT: MLK JR. TANK
SAMPLE ID: FILL END OF TANK

DATE RECEIVED: 06-20-88
DATE ANALYZED: 06-22-88
DATE REPORTED: 07-01-88
PAGE 1 OF 2

Results of Analysis for Petroleum Hydrocarbons in Soils and Wastes

Method References: TPH: Total Petroleum Hydrocarbons, EPA 3550/8015

LAB ID	GASOLINE (mg/Kg)	KEROSINE (mg/Kg)	DIESEL (mg/Kg)
14932-1	1,000	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	21
Spike: % Recovery	87


Laboratory Director

LABORATORY NUMBER: 14932
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.001
 PROJECT: MLK JR. TANK
 SAMPLE ID: FILL END OF TANK

DATE RECEIVED: 06-20-88
 DATE ANALYZED: 06-30-88
 DATE REPORTED: 07-01-88
 PAGE 2 OF 2

EPA 8020: Volatile Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/Kg	LOD ug/Kg
Benzene.....	790	100
Toluene.....	1,200	500
Ethyl Benzene.....	7,300	100
Total Xylenes.....	38,000	100
Chlorobenzene.....	ND	100
1,4-Dichlorobenzene.....	ND	100
1,3-Dichlorobenzene.....	ND	100
1,2-Dichlorobenzene.....	ND	100

ND = None Detected. Limit of detection (LOD) in last column.

QA/QC:

Duplicate: Relative % Difference
 Average Spike Recovery %

6
 89



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16499
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.002
JOB LOCATION: MLK TANK

DATE RECEIVED: 12/29/88
DATE ANALYZED: 12/30/88
DATE REPORTED: 12/30/88

Total Volatile Hydrocarbons (TVH) by EPA 8015
Extraction by EPA 5030 Purge and Trap

Table with 3 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/kg). Rows include 16499-1 (NC @ 26', ND(10)), 16499-2 (ND @ 26', 600), and 16499-3 (SC @ 26', TRACE (<10)).

ND = Not Detected; Limit of Detection indicated in parentheses.

QA/QC SUMMARY

Table with 2 columns: QA/QC Metric, Value. Rows include %RPD (10) and %RECOVERY (92).

Handwritten signature of CB [Name] over a horizontal line, with the text LABORATORY DIRECTOR below it.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16500
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 430.002
LOCATION: MLK TANK

DATE RECEIVED: 12-29-88
DATE ANALYZED: 01-09-89
DATE REPORTED: 01-10-89

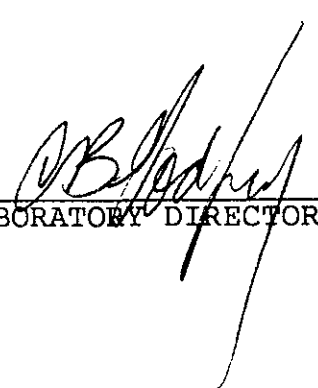
Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
EPA 8015 (Modified)
Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	GASOLINE (mg/Kg)
16500-1	WF @ 31	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	5
SPIKE: % RECOVERY	97


LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16513
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.002
 LOCATION: MLK TANK

DATE RECEIVED: 12-30-88
 DATE ANALYZED: 01-07-89
 DATE REPORTED: 01-10-89


Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	GASOLINE (mg/Kg)
16513-1	EF @ 30	ND(10)
16513-2	EF 1 @ 29	ND(10)
16513-3	EFC @ 28	ND(10)
16513-4	WF 2 @ 31	ND(10)
16513-5	WW @ 23	1,000
16513-6	EW @ 26	ND(10)
16513-7	EW 1 @ 26	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	6
SPIKE: % RECOVERY	110


 LABORATORY DIRECTOR

Berkeley

Wilmington

Los Angeles



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900


LABORATORY NUMBER: 16323
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: MLK TANKS

DATE RECEIVED: 12/02/88
DATE ANALYZED: 12/05/88
DATE REPORTED: 12/05/88

Total Volatile Hydrocarbons (TVH) by EPA 8015
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/kg)
16323-1	COMPOSITE #1 A1,A2,A3,A4	TRACE (<10)*
16323-2	COMPOSITE #2 A5,A6,A7,A8	45*
16323-3	COMPOSITE #3 A9,A10,A11,A12	25*

*FINGERPRINT PATTERN DOES NOT MATCH GASOLINE STANDARD. QUANTITATION
BASED ON LARGEST PEAKS WITHING THE C9 - C12 RANGE.


LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16364
CLIENT: SUSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: MLK TANK

DATE RECEIVED: 12-07-88
DATE ANALYZED: 12-07-88
DATE REPORTED: 12-09-88

Total Volatile Hydrocarbons (TVH) by EPA 8015
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/kg)
16364-1	COMPOSITE #4 A21/A22/A23/A24	190 *
16364-2	COMPOSITE #5 A25/A26/A27/A28	ND(10)
16364-3	COMPOSITE #6 A29/A30/A31/A32	ND(10)
16364-4	COMPOSITE #7 A33/A34/A35/A36	18 *

* SAMPLE ALSO CONTAINS HYDROCARBONS IN THE C9 - C12 RANGE.

Jan Wong for IBB
LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16376
CLIENT: SUBSURFACE CONSULTANTS
JOB #: 430.003
LOCATION: MLK TANK

DATE RECEIVED: 12-08-88
DATE ANALYZED: 12-09-88
DATE REPORTED: 12-21-88

Total Volatile Hydrocarbons (TVH) by EPA 8015
Extraction Method: EPA 5030 Purge and Trap

LAB ID	CLIENT ID	RESULTS (mg/Kg)
16376-1	A37	168 *
16376-2	A38	64 *
16376-3	A39	ND(10)
16376-4	A40	ND(10)

ND = Not Detected; Limit of detection in parentheses.

* Fingerprint pattern does not match Gasoline Standard. Quantitation based on largest peaks within C6-C12 range.

Jim Wong for CB6
LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16405
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: MLK TANK

DATE RECEIVED: 12-12-88
DATE ANALYZED: 12-13-88
DATE REPORTED: 12-13-88

Total Volatile Hydrocarbons (TVH) by EPA 8015
Extraction by EPA 5030 Purge and Trap

Table with 3 columns: LAB ID, CLIENT ID, TVH AS GASOLINE (mg/kg). Rows include 16405-C1 through 16405-C4 with various composite sample IDs and results like ND(10) or 125 *.

* Pattern does not match Gasoline Standard. Quantitation based on largest peaks within range of Gasoline Standard.

** Sample contains Hydrocarbons in the C9-C12 range.

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

Summary table with 2 columns: %RPD (19), %RECOVERY (109).

Handwritten signature of Laboratory Director over the printed title 'LABORATORY DIRECTOR'.

Berkeley

Wilmington

Los Angeles



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16464
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: MLK TANK

DATE RECEIVED: 12-19-88
 DATE ANALYZED: 12-19-88
 DATE REPORTED: 12-20-88

Total Heavy Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	KEROSINE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
16464-1	A50	ND(10)	ND(10)	TRACE *
16464-2	A51	ND(10)	ND(10)	TRACE *
16464-3	A49	ND(10)	ND(10)	ND(10)
16464-4	A52	ND(10)	ND(10)	ND(10)

* Fingerprint pattern does not match hydrocarbon standards; Quantitation based on largest peaks within C9-C18 boiling range.

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

LAB ID	16464-1,2	16464-3,4
Duplicate: Relative % Difference	1	10
Spike: % Recovery	87	98

Jon Wong for CBL
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 16472
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: MLK TANK

DATE RECEIVED: 12-20-88
 DATE ANALYZED: 12-20-88
 DATE REPORTED: 12-21-88

Total Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSINE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
16472/1-4	COMPOSITE #16 A57/A58/A59/A60	900	ND(10)	ND(10)	ND(10)
16472/5-8	COMPOSITE #17 A61/A62/A63/A64	1,150	ND(10)	ND(10)	ND(10)
16472/9-12	COMPOSITE #18 A65/A66/A67/A68	320	ND(10)	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	10
Spike: % Recovery	90

Jim Wong for C.B.B.
 LABORATORY DIRECTOR



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16486
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: MLK TANK

DATE RECEIVED: 12-27-88
 DATE ANALYZED: 01-06-89
 DATE REPORTED: 01-10-89
 PAGE 2 OF 2

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	
16486-C1 1,2,3,4	COMPOSITE #19 A69/A70/A71/A72	ND(10)	A70 170 ppm
16486-C2 5,6,7,8	COMPOSITE #20 A73/A74/A75/A76	ND(10)	✓
16486-C3 9,10,11,12	COMPOSITE #21 A77/A78/A79/A80	ND(10)	
16486-C4 13,14,15,16	COMPOSITE #22 A81/A82/A83/A84	ND(10)	✓
16486-C5 17,18,19,20	COMPOSITE #23 A85/A86/A87/A88	ND(10)	✓

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD 6
 SPIKE: % RECOVERY 106



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LABORATORY NUMBER: 16486
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: MLK TANK

DATE RECEIVED: 12-27-88
 DATE ANALYZED: 12-28-88
 DATE REPORTED: 01-10-89
 PAGE 1 OF 2

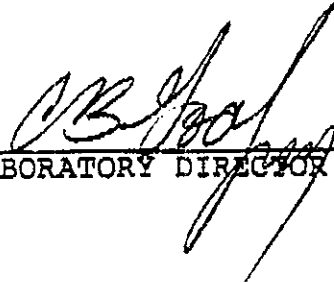
Total Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSINE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
16486-2	A70	170	ND(10)	ND(10)	ND(10)
16486-8	A76	TRACE	ND(10)	ND(10)	ND(10)
16486-14	A82	ND(10)	ND(10)	ND(10)	ND(10)
16486-17	A85	ND(10)	ND(10)	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference 10
 Spike: % Recovery 126


 LABORATORY DIRECTOR



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16488
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: MLK TANK

DATE RECEIVED: 12-27-88
 DATE ANALYZED: 01-09-89
 DATE REPORTED: 01-10-89
 PAGE 2 OF 2

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	GASOLINE (mg/Kg)
16488-C1 1, 2, 3, 4	COMPOSITE #24 A89/A90/A91/A92	ND(10)
16488-C2 5, 6, 7, 8	COMPOSITE #25 A93/A94/A95/A96	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	10
SPIKE: % RECOVERY	119



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16502
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.002
 LOCATION: MLK TANK

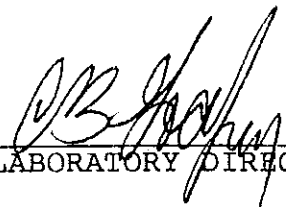
DATE RECEIVED: 12-29-88
 DATE ANALYZED: 01-09-89
 DATE REPORTED: 01-10-89

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	GASOLINE (mg/Kg)
16502-C1 1,2,3,4	COMPOSITE #26 A97/A98/A99/A100	1,500
16502-C2 5,6,7,8	COMPOSITE #27 A101/A102/A103/A104	3,200
16502-C3 9,10,11,12	COMPOSITE #28 A105/A106/A107/A108	2,300
16502-C4 13,14,15,16	COMPOSITE #32 A121/A122/A123/A124	1,700
16502-C5 17,18,19,20	COMPOSITE #33 A125/A126/A127/A128	270

QA/QC SUMMARY

%RPD	5
SPIKE: % RECOVERY	97


 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16501
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.002
 LOCATION: MLK TANK

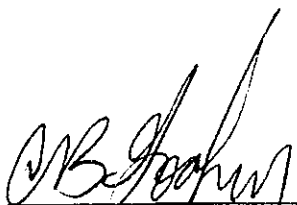
DATE RECEIVED: 12-29-88
 DATE ANALYZED: 01-09-89
 DATE REPORTED: 01-10-89

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	GASOLINE (mg/Kg)
16501-C1 1,2,3,4	COMPOSITE #29 A109/A110/A111/A112	4,900
16501-C2 5,6,7,8	COMPOSITE #30 A113/A114/A115/A116	250
16501-C3 9,10,11,12	COMPOSITE #31 AA117/A118/A119/A120	86
16501-C4 13,14,15,16	COMPOSITE #34 A129/A130/A131/A132	1,100
16501-C5 17,18,19,20	COMPOSITE #35 A133/A134/A135/A136	416

QA/QC SUMMARY

%RPD	10
SPIKE: % RECOVERY	119


 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

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DATE RECEIVED: 05/30/89
DATE REPORTED: 06/02/89
PAGE 1 OF 3

LAB NUMBER: 17485

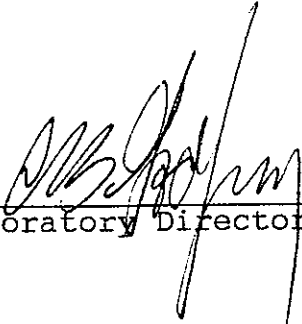
CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL COMPOSITES:

COMPOSITE 1: 36-1/36-2/36-3
COMPOSITE 2: 37-1/37-2/37-3

JOB #: 430.002

RESULTS: SEE ATTACHED



Laboratory Director

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 17485-2
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.002

DATE RECEIVED: 05/30/89
 DATE ANALYZED: 05/30/89
 DATE REPORTED: 06/02/89
 PAGE 3 OF 3

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)
17485- 2A,B,C	COMPOSITE: 37-1/37-2/37-3	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	104



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17553
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.002
 LOCATION: MLK TANKS

DATE RECEIVED: 06/08/89
 DATE ANALYZED: 06/12/89
 DATE REPORTED: 06/15/89

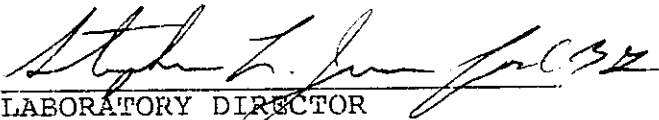
Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/Kg)
17553-1	A-38-1	69
A,B,C,D	A-38-2	
	A-38-3	
	A-38-4	
17553-2	A-39-1	ND(10)
A,B,C,D	A-39-2	
	A-39-3	
	A-39-4	
17553-3	A-40-1	97
A,B,C,D	A-40-2	
	A-40-3	
	A-40-4	
17553-4	A-41-1	TRACE
A,B,C,D	A-41-2	
	A-41-3	
	A-41-4	
17553-5	A-42-1	TRACE
A,B,C,D	A-42-2	
	A-42-3	
	A-42-4	

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	1
Spike, % Recovery	97


 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17563
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/09/89
 DATE ANALYZED: 06/14/89
 DATE REPORTED: 06/20/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17563-1	A46-1/A46-2/ A46-3/A46-4	150	ND(100)	280	270	4,800
17563-2	A47-1/A47-2/ A47-3/A47-4	98	ND(100)	720	290	4,900
17563-3	A48-1/A48-2/ A48-3/A48-4	ND(10)	ND(5)	ND(5)	ND(5)	14
17563-4	A49-1/A49-2/ A49-3/A49-4	12	ND(5)	ND(5)	ND(5)	28
17563-5	A50-1/A50-2/ A50-3/A50-4	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = NONE DETECTED.

QA/QC SUMMARY

%RPD	1
%RECOVERY	105

Steven Brummer
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17602
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/14/89
 DATE ANALYZED: 06/19/89
 DATE REPORTED: 06/21/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17602-1	A56-1/A56-2/ A56-3/A56-4	100	ND(100)	ND(100)	200	3,800
17602-2	A57-1/A57-2/ A57-3/A57-4	64	ND(100)	ND(100)	ND(100)	1,800
17602-3	A58-1/A58-2/ A58-3/A58-4	28	ND(5)	48	30	740
17602-4	A59-1/A59-2/ A59-3/A59-4	300	490	2,600	2,000	16,000

ND = NONE DETECTED; LIMIT OF DETECTION INDICATED IN PARENTHESES.

QA/QC SUMMARY

%RPD	4
%RECOVERY	97

Steven Brimmer (for CBG)
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 06/19/89

DATE REPORTED: 06/28/89

PAGE 1 OF 2

LAB NUMBER: 17628

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 4 SOIL COMPOSITES

COMPOSITE 1: A65-1/A65-2/A65-3/A65-4

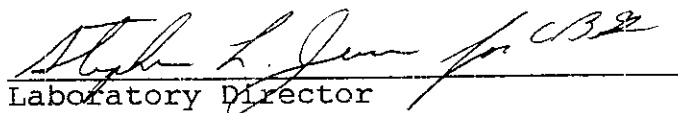
COMPOSITE 2: A66-1/A66-2/A66-3/A66-4

COMPOSITE 3: A67-1/A67-2/A67-3/A67-4

COMPOSITE 4: A68-1/A68-2/A68-3/A68-4

JOB #: 430.002

LOCATION: MLK TANK


Laboratory Director

LABORATORY NUMBER: 17628
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.002
 LOCATION: MLK TANK

DATE RECEIVED: 06/19/89
 DATE ANALYZED: 06/26/89
 DATE REPORTED: 06/28/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 5030 (Purge & Trap)

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)
17628-1	A65-1/A65-2/ A65-3/A65-4	51
17628-2	A66-1/A66-2/ A66-3/A66-4	190
17628-3	A67-1/A67-2/ A67-3/A67-4	120
17628-4	A68-1/A68-2/ A68-3/A68-4	72

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

%RPD	3
Spike, % Recovery	97



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LABORATORY NUMBER: 16455
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: MLK TANK

DATE RECEIVED: 12/16/88
 DATE ANALYZED: 12/21/88
 DATE REPORTED: 12/27/88

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/kg)	BENZENE (ug/kg)	TOLUENE (ug/kg)	TOTAL XYLENES (ug/kg)	ETHYL BENZENE (ug/kg)
16455/ 1,2,3,4	COMPOSITE #13 C1/C2/C3/C4	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
16455/ 5,6,7,8	COMPOSITE #14 C5/C6/C7/C8	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = NONE DETECTED. LIMIT OF DETECTION IS INDICATED IN PARENTHESES.

QA/QC SUMMARY

%RPD	<1	<1	<1	<1	<1
%RECOVERY	92	92	91	90	90

Jim Wong for CBB
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16454
CLIENT: SUBSURFACE CONSULTANTS
JOB NUMBER: 430.003
JOB LOCATION: MLK TANK

DATE RECEIVED: 12-16-88
DATE ANALYZED: 12-20-88
DATE REPORTED: 12-20-88

Total Volatile Hydrocarbons (TVH) by EPA 8015
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/kg)
COMPOSITE 16454/1-5	COMPOSITE #15 C9/C10/C11/C12	ND(10)

ND = None Detected; limit of detection is indicated in parentheses.


LABORATORY DIRECTOR

LABORATORY NUMBER: 17485-1
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002

DATE RECEIVED: 05/30/89
 DATE ANALYZED: 05/30/89
 DATE REPORTED: 06/02/89
 PAGE 2 OF 3

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17485- 1A,B,C	COMPOSITE: 36-1/36-2/36-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	1
%RECOVERY	104



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LABORATORY NUMBER: 17554
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/08/89
 DATE ANALYZED: 06/09/89
 DATE REPORTED: 06/12/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17554- 1,2,3	C-43-1 C-43-2 C-43-3	10	ND(5)	49	20	195
17554- 4,5,6	C-44-1 C-44-2 C-44-3	ND(10)	ND(5)	26	ND(5)	42
17554- 7,8,9	C-45-1 C-45-2 C-45-3	ND(10)	ND(5)	18	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

Stephen L. Quinn for (B2)
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17584
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/13/89
 DATE ANALYZED: 06/13/89
 DATE REPORTED: 06/14/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17584: COMP.1-3	C51-1/C51-2/ C51-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17485: COMP.4-6	C52-1/C52-2/ C52-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17584: COMP.7-9	C53-1/C53-2/ C53-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	3
%RECOVERY	103

Steven Brimmer
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17587
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/13/89
 DATE ANALYZED: 06/13/89
 DATE REPORTED: 06/14/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17587: COMP.1	C54-1/C54-2/ C54-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17587: COMP.2	C55-1/C55-2/ C55-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	3
%RECOVERY	103

Steven Brimmer
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 17626
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/16/89
 DATE ANALYZED: 06/19/89
 DATE REPORTED: 06/20/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17626- 1,2,3	C60-1 C60-2 C60-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17626- 4,5,6	C61-1 C61-2 C61-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17626- 7,8,9	C62-1 C62-2 C62-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17626- 10,11,12	C63-1 C63-2 C63-3	ND(10)	ND(5)	38	ND(5)	ND(5)
17626- 13,14,15	C64-1 C64-2 C64-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = NONE DETECTED. LIMIT OF DETECTION IS INDICATED IN PARENTHESES.

QA/QC:

RPD, % 4
 RECOVERY, % 97

Stephen L. Jones
 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17663
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/21/89
 DATE ANALYZED: 06/21/89
 DATE REPORTED: 06/22/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17663: 1-3	C69-1/C69-2/ C69-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17663: 4-6	C70-1/C70-2/ C70-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17663: 7-9	C71-1/C71-2/ C71-3	ND(10)	ND(5)	ND(5)	ND(5)	63
17663: 10-12	C72-1/C72-2/ C72-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17663: 13-15	C73-1/C73-2/ C73-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = NONE DETECTED; LIMIT OF DETECTION IN PARENTHESES.

QA/QC SUMMARY

%RPD 1
 %RECOVERY 104


 LABORATORY DIRECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 06/28/89
DATE REPORTED: 06/29/89
PAGE 1 OF 2

LAB NUMBER: 17734

CLIENT: SUBSURFACE CONSULTANTS, INC.

REPORT ON: 5 SOIL COMPOSITES

JOB #: 430.002
LOCATION: MLK TANK

RESULTS: SEE ATTACHED



Laboratory Director

LABORATORY NUMBER: 17734
 CLIENT: SUBSURFACE CONSULTANTS, INC.
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 06/28/89
 DATE ANALYZED: 06/28/89
 DATE REPORTED: 06/29/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17734- 1-3	COMPOSITE C74-1/2/3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17734- 4-6	COMPOSITE C75-1/2/3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17734- 7-9	COMPOSITE C76-1/2/3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17734- 10-12	COMPOSITE C77-1/2/3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17734- 13-15	COMPOSITE C78-1/2/3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	4
%RECOVERY	107



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/05/89
DATE REPORTED: 07/07/89
PAGE 1 OF 2

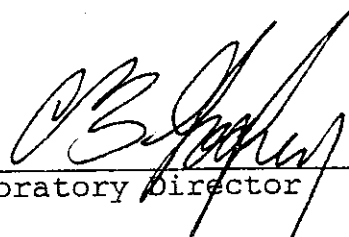
LAB NUMBER: 17764

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL COMPOSITES

JOB #: 430.002
LOCATION: MLK TANK

RESULTS: SEE ATTACHED



Laboratory Director

LABORATORY NUMBER: 17764
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.002
 JOB LOCATION: MLK TANK

DATE RECEIVED: 07/05/89
 DATE ANALYZED: 07/05/89
 DATE REPORTED: 07/07/89
 PAGE 2 OF 2

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
17764: 1-3	C79-1/C-79-2/ C79-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
17764: 4-6	C80-1/C80-2/ C80-3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	97

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Jr Tank
 SCI Job Number: 430.001
 Project Contact at SCI: JERIANN ALEXANDER
 Sampled By: JERIANN ALEXANDER
 Analytical Laboratory: CURTIS TOMPKINS
 Analytical Turnaround: NORMAL

<u>Sample ID</u>	<u>Sample Type¹</u>	<u>Container Type²</u>	<u>Sampling Date</u>	<u>Hold</u>	<u>Analysis</u>	<u>Analytical Method</u>
FILL END OF TANK	S	T	6/17/88		TPH/BTEX	8015 w/sonication

* * * * *

Released by: J. Thomas Lebb Date: 6/20/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy J. Winton Date: 6/20/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK tank

SCI Job Number: 430.002

Project Contact at SCI: Sean Carson

Sampled By: " "

Analytical Laboratory: Curtis + Tompkins

Analytical Turnaround: 24 hour RUSH PLEASE!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>NCe26'</u>	<u>S</u>	<u>T</u>	<u>12/29/88</u>	<u>---</u>	<u>TVH</u>	<u>8015/5030</u>
<u>NDe26'</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>---</u>	<u>↓</u>	<u>↓</u>
<u>SCe26'</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>---</u>	<u>↓</u>	<u>↓</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

* SAMPLE 1" from end marked B *

Released by: [Signature] Date: 12/29/88

Released by Courier: --- Date: ---

Received by Laboratory: [Signature] Date: 12-29-88

Relinquished by Laboratory: --- Date: ---

Received by: --- Date: ---

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

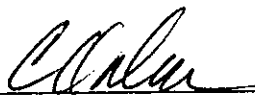
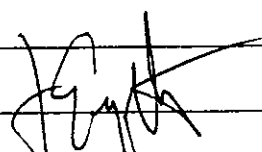
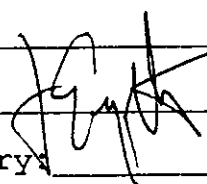
Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: \$ 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>WFe31'</u>	<u>S</u>	<u>T</u>	<u>12/23/88</u>	<u>---</u>	<u>TUH</u>	<u>8015/5030</u>

* * * * *

Released by:  Date: 12/29/88
 Released by Courier:  Date:
 Received by Laboratory:  Date: 12-29-88
 Relinquished by Laboratory: Date:
 Received by: Date:

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK tank
 SCI Job Number: 430,002
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
EF1e30'	S	T	12/30/85		TVA	8015/5030
EF1e29'						
EFCe28'						
WF2e31						
WWe23						
EW2e26'						
EW1e26'	↓	↓			↓	↓

* * * * *

Released by: [Signature] Date: 12-30-85
 Released by Courier: [Signature] Date: _____
 Received by Laboratory: [Signature] Date: 12-30-85
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Sean Carson
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: see 1 Day

	Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Composite	A1	S	T	12/2/88		TPH-G	8015/5030
	A2	↓	↓	↓		↓	↓
	A3	↓	↓	↓		↓	↓
	A4	↓	↓	↓		↓	↓
Composite	A5	S	T	12/2/88		TPH-G	8015/5030
	A6	↓	↓	↓		↓	↓
	A7	↓	↓	↓		↓	↓
	A8	↓	↓	↓		↓	↓
Composite	A9	S	T	12/2/88		TPH-G	8015/5030
	A10	↓	↓	↓		↓	↓
	A11	↓	↓	↓		↓	↓
	A12	↓	↓	↓		↓	↓

Released by: [Signature] Date: 12/2/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy J. Wilson Date: 12/2/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430,003
 Project Contact at SCI: Sean Carson
 Sampled By: Sean Carson
 Analytical Laboratory: Curtis Tompkins
 Analytical Turnaround: 24hrs

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Composite # 4 { A21 A22 A23 A24	S	T	12/5/88		TVH-G	8015/5030
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
Composite # 5 { A25 A26 A27 A28	S	T	12/6/88		TVH-G	8015/5030
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓

* * * * *

Released by: [Signature] Date: 12/7/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: Gabriella Stephan Date: 12/7/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430,003
 Project Contact at SCI: Sean Carson
 Sampled By: Sean Carson
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 24 hrs

	Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Composite # 6	A29	S	T	12/6/88		TUH-G	8015/5030
	A30	↓	↓	↓		↓	↓
	A31	↓	↓	↓		↓	↓
	A32	↓	↓	↓		↓	↓
Composite # 7	A33	S	T	12/6/88		TUH-G	8015/5030
	A34	↓	↓	↓		↓	↓
	A35	↓	↓	↓		↓	↓
	A36	↓	↓	↓		↓	↓

* * * * *

Released by: [Signature] Date: 12/7/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: Gabriella Stephan Date: 12/7/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Jobs # 16405

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430,003
 Project Contact at SCI: Sean Carson
 Sampled By: Sean Carson
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: _____

comp. # 9

comp. # 10

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A 41	S	T	10/9/88		TVH-G	8015/5030
A 42	↓	↓	↓		↓	↓
A 43	↓	↓	↓		↓	↓
A 44	↓	↓	↓		↓	↓
A 45	S	T	10/9/88		TVH-G	8015/5030
A 46	↓	↓	↓		↓	↓
A 47	↓	↓	↓		↓	↓
A 48	↓	↓	↓		↓	↓

* NOTE Please sample end marked B
 * * * * *

Released by: Sean Carson Date: 12/12/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: Gabriella Stephen Date: 12/12/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

Job # 16405

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: Sean Carson
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: _____

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Comp # 11 { A 49 A 50 A 51 A 52	S	T	10/9/88		TVH-G	8015/5030
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
Comp # 12 { A 53 A 54 A 55 A 56	S	T	10/9/88		TVH-G	8015/5030
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓

* NOTE Please sample end marked B * * * * *

Released by: Sean Carson Date: 12/12/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: Gabriella Stephan Date: 12/12/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

CATA-16472

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank

SCI Job Number: 430 003

Project Contact at SCI: Sean Carson

Sampled By: " "

Analytical Laboratory: Curtis + Tompkins

Analytical Turnaround: 48 hrs

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
(A57	S	T	12/19/88		3550/8015	TPH
A58	↓	↓	↓		↓	↓
A59	↓	↓	↓		↓	↓
A60	↓	↓	↓		↓	↓
(A61	S	T	12/19/88		3550/8015	TPH
A62	↓	↓	↓		↓	↓
A63	↓	↓	↓		↓	↓
A64	↓	↓	↓		↓	↓
(A65	S	T	12/19/88		3550/8015	TPH
A66	↓	↓	↓		↓	↓
A67	↓	↓	↓		↓	↓
A68 *	↓	↓	↓	*	↓	↓

Released by: [Signature] Date: 12/20/88

Released by Courier: _____ Date: _____

Received by Laboratory: Tabiella Stepha Date: 12/20/88

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK TANIC
 SCI Job Number: 430.003
 Project Contact at SCI: SEAN CARSON
 Sampled By: SEAN CARSON
 Analytical Laboratory: CURTIS + TOMPKINS
 Analytical Turnaround: ~~48 hr.~~ 2 DAY

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A 70	S	T	12/21/88		TPH	
A 76	S	T	"		TPH	
A 82	S	T	"		TPH	
A 85	S	T	"		TPH	

* * * * *

Released by: [Signature] Date: 12/23/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: James Conley Date: 12-23-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.00~~00~~ 3
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 2 DAY

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
comp # 19 { A69 ✓ A70 ✓ A71 ✓ A72 ✓	S	T	12/20/88	}	TVH	
	↓	↓	↓			
	↓	↓	↓			
	↓	↓	↓			
comp # 20 { A73 ✓ A74 ✓ A75 ✓ A76 ✓	S	T	12/20/88	}	TVH	
	↓	↓	↓			
	↓	↓	↓			
	↓	↓	↓			
comp # 21 { A77 ✓ A78 ✓ A79 ✓ A80 ✓	S	T	12/20/88	}	TVH	
	↓	↓	↓			
	↓	↓	↓			
	↓	↓	↓			

Released by: [Signature] Date: 12/23/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: James Conley Date: 12-23-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.00 #3
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 2 DAY

Comp # 27
 Comp # 23

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A 81 ✓	S	T	12/21/88		TVH	
A 82 ✓	↓	↓	↓			
A 83 ✓	↓	↓	↓			
A 84 ✓	↓	↓	↓			
A 85 ✓	S	T	12/21/88		TVH	
A 86 ✓	↓	↓	↓			
A 87 ✓	↓	↓	↓			
A 88 ✓	↓	↓	↓			

* * * * *

Released by: [Signature] Date: 12/23/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: James Conley Date: 12-23-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 2 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>A91</u>	<u>S</u>	<u>T</u>	<u>12/21/88</u>	<u>---</u>	<u>TPH</u>	<u>3550/8015</u>
<u>A95</u>	<u>S</u>	<u>T</u>	<u>"</u>	<u>---</u>	<u>TPH</u>	<u>3550/8015</u>

* PLEASE SAMPLE 1" into end marked B *

Released by: [Signature] Date: 12/27/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 12/27/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 2 days

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
Comp # 24 { A89 A90 A91 A92	S	T	12/21/88	}	TVH	5030/8015
	↓	↓	↓			
	↓	↓	↓			
	↓	↓	↓			
Comp # 25 { A93 A94 A95 A96	S	T	12/21/88	}	TVH	5030/8015
	↓	↓	↓			
	↓	↓	↓			
	↓	↓	↓			

* PLEASE SAMPLE 1" into end marked B. *

Released by: [Signature] Date: 12/27/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 12/27/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)


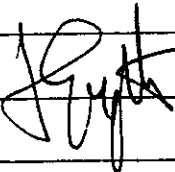
Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
(A 97	S	T	12/28/88		TVH	8015/5030
comp #2 } (A 98 (A 99 (A 100	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
(A 101	S	T	12/28/88		TVH	8015/5030
comp #27 } (A 102 (A 103 (A 104	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
(A 105	S	T	12/28/88		TVH	8015/5030
comp #28 } (A 106 (A 107 (A 108 *	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓
	↓	↓	↓		↓	↓

Released by:  Date: 12/29/88
 Released by Courier: _____ Date: _____
 Received by Laboratory:  Date: 12-29-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK TANK
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: Normal

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
20) A109	S	T	12/28/88		TVH	8015/5030
21) A110	↓	↓	↓		↓	↓
A111	↓	↓	↓		↓	↓
A112	↓	↓	↓		↓	↓
30) A113	S	T	12/28/88		TVH	8015/5030
A114	↓	↓	↓		↓	↓
A115	↓	↓	↓		↓	↓
A116	↓	↓	↓		↓	↓
31) A117	S	T	12/28/88		TVH	8015/5030
A118	↓	↓	↓		↓	↓
A119	↓	↓	↓		↓	↓
A120	* ↓	* ↓	* ↓	*	* ↓	* ↓

Released by: [Signature] Date: 12/29/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 12-29-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK TANK
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Curson
 Sampled By: " "
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A121	S	T	12/28/88		TVH	8015/5030
A122	↓	↓	↓		↓	↓
A123	↓	↓	↓		↓	↓
A124	↓	↓	↓		↓	↓
A125	S	T	12/28/88		TVH	8015/5030
A126	↓	↓	↓		↓	↓
A127	↓	↓	↓		↓	↓
A128	↓	↓	↓		↓	↓

* * * * *

Released by: [Signature] Date: 12/29/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 12-29-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK TANK
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: Normal

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A129	S	T	12/28/88		TUH	8015/5030
A130	↓	↓	↓		↓	↓
A131	↓	↓	↓		↓	↓
A132	↓	↓	↓		↓	↓
A133	S	T	12/28/88		TUH	8015/5030
A134	↓	↓	↓		↓	↓
A135	↓	↓	↓		↓	↓
A136	↓	↓	↓		↓	↓

* * * * *

Released by: [Signature] Date: 12/29/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 12-29-88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: ML King Soil Remediation
 SCI Job Number: 430.002
 Project Contact at SCI: JIM BOWERS
 Sampled By: D. ALEXANDER (SCI)
 Analytical Laboratory: CURTIS & TOMPKINS, LTD.
 Analytical Turnaround: RAPID : 24 HRS.

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>36-1</u>	<u>S</u>	<u>T</u>	<u>5/30/89</u>		<u>COMPOSITE SAMPLES</u>	<u>TVH w/ BTXE</u> <u>etc</u>
<u>36-2</u>	<u>S</u>	<u>T</u>	<u>5/30/89</u>			
<u>36-3</u>	<u>S</u>	<u>T</u>	<u>5/30/89</u>			
<u>37-1</u>	<u>S</u>	<u>T</u>	<u>5/30/89</u>		<u>COMPOSITE SAMPLES</u>	<u>TVH</u>
<u>37-2</u>	<u>S</u>	<u>T</u>	<u>5/30/89</u>			
<u>37-3</u>	<u>S</u>	<u>T</u>	<u>5/30/89</u>			

* * * * *

Released by: [Signature] Date: 5/30/89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Remediation Date: 5-30-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK

SCI Job Number: 430.002

Project Contact at SCI: Sean Carson

Sampled By: Dennis Alexander

Analytical Laboratory: Curtis + Tompkins

Analytical Turnaround: 5 day

Comp A-38

Comp A-39

Comp A-40

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A-38-1	S	T	6/7/89		TVH	8015/5030
A-38-2	↓	↓	↓		↓	↓
A-38-3	↓	↓	↓		↓	↓
A-38-4	↓	↓	↓		↓	↓
A-39-1	S	T	6/7/89		TVH	8015/5030
A-39-2	↓	↓	↓		↓	↓
A-39-3	↓	↓	↓		↓	↓
A-39-4	↓	↓	↓		↓	↓
A-40-1	S	T	6/7/89		TVH	8015/5030
A-40-2	↓	↓	↓		↓	↓
A-40-3	↓	↓	↓		↓	↓
A-40-4	↓	↓	↓		↓	↓

* * * * *
 * Sample 1" into end of tube w/black tape on cap

Released by: Dennis Alexander Date: 6/8/89

Released by Courier: _____ Date: _____

Received by Laboratory: Nancy Walker Date: 6/8/89

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 5 day

comp. No. 72

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A-41-1	S	T	6/7/89		TVH	8015/5030
A-41-2	↓	↓	↓		↓	↓
A-41-3	↓	↓	↓		↓	↓
A-41-4	↓	↓	↓		↓	↓
A-42-1	S	T	6/7/89		TVH	8015/5030
A-42-2	↓	↓	↓		↓	↓
A-42-3	↓	↓	↓		↓	↓
A-42-4	↓	↓	↓		↓	↓

* Sample 1" into end of tube w/ black tape on cap.

Released by: Dennis Alexander Date: 6/8/89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Sam Patterson Date: 6/9/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A46-1	S	T	6-9-89	}	TVH/BTXE Composite sample	8015/8020 5030
A46-2	↓	↓	↓			
A46-3	↓	↓	↓			
A46-4	↓	↓	↓			
A47-1	S	T	6-9-89	}	TVH/BTXE Composite sample	8015/8020 5030
A47-2	↓	↓	↓			
A47-3	↓	↓	↓			
A47-4	↓	↓	↓			

* Sample 1" into end of tube w/cap marked B

Released by: Dennis Alexander Date: 6-9-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Watten Date: 6/9/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Composite A48

Composite A49

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A48-1	S	T	6-9-89		TVH/BTXE	8015/8020
A48-2	↓	↓	↓		Composite sample	5030
A48-3	↓	↓	↓			
A48-4	↓	↓	↓			
A49-1	S	T	6-9-89		TVH/BTXE	8015/8020
A49-2	↓	↓	↓		Composite sample	5030
A49-3	↓	↓	↓			
A49-4	↓	↓	↓			

* * Sample 1" into end of tube w/cap marked B * * * * *

Released by: Dennis Alexander Date: 6-9-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Patton Date: 6/9/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

COMPOSITE ASD

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A50-1	S	T	6-9-89		TUH/BIXE	8015/8020
A50-2	↓	↓	↓		Composite Sample	5030
A50-3	↓	↓	↓			
A50-4	↓	↓	↓			

* Sample 1" into end of tube w/cap marked B
 * * * * *

Released by: Dennis Alexander Date: 6-9-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Abritten Date: 6/9/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A56-1	S	T	6-14-89		TUH/BTXE	8015/8020
A56-2					Composite	5030
A56-3					Sample	
A56-4	↓	↓	↓			
A57-1	S	T	6-14-89		TUH/BTXE	8015/8020
A57-2					Composite	5030
A57-3					Sample	
A57-4	↓	↓	↓			

Composite

Composite

* * * Sample 1" into end of tube w/ black tape * * *

Released by: Dennis Alexander Date: 6-14-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Murray Whitten Date: 6/14/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MCK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A58-1	S	T	6-14-89		TVH/BTXE	8015/8020
A58-2					composite	5030
A58-3					sample	
A58-4	↓	↓	↓			
A59-1	S	T	6-14-89		TVH/BTXE	8015/8020
A59-2					composite	5030
A59-3					sample	
A59-4	↓	↓	↓			

* * Sample 1" into end of tube w/ black tape * * * * *

Released by: Dennis Alexander Date: 6-14-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: nanaphatten Date: 6/14
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
A65-1	S	T	6-16-89		TUH/ BECE	8015/ 8030
A65-2	↓	↓	↓		composite	5030
A65-3	↓	↓	↓		sample	
A65-4	↓	↓	↓			
A66-1	S	T	6-16-89		TUH/ BECE	8015/ 8030
A66-2	↓	↓	↓		Composite	5030
A66-3	↓	↓	↓		sample	
A66-4	↓	↓	↓			

* * * * *

Released by: Dennis Alexander Date: 6-19-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Harriet Watten Date: 6-19-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
(A67-1	S	T	6-16-89	}	TVH/ BT	8015/8020
A67-2	↓	↓	↓		composite	5030
A67-3	↓	↓	↓		sample	
A67-4	↓	↓	↓			
(A68-1	S	T	6-16-89	}	TVH/ BT	8015/8020
A68-2	↓	↓	↓		composite	5030
A68-3	↓	↓	↓		sample	
A68-4	↓	↓	↓			

* * * * *

Released by: Dennis Alexander Date: 6-19-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Hottel Date: 6-19-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank

SCI Job Number: 430.003

Project Contact at SCI: Sean Carson

Sampled By: _____

Analytical Laboratory: Curtis + Tompkins

Analytical Turnaround: 1-WK

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method	
C1	S	T	12/16/88	}	TU4-G BTXF	5030/8015 5030/8020	
C2	↓	↓	↓				
C3	↓	↓	↓				
C4	↓	↓	↓				
C5	S	T	12/16/88	}	TU4-G BTXF	5030/8015 5030/8020	
C6	↓	↓	↓				
C7	↓	↓	↓				
C8	↓	↓	↓				

* * * * *

Released by: Sean Carson Date: 12/16/88

Released by Courier: _____ Date: _____

Received by Laboratory: [Signature] Date: 12/16/88

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430, EOB
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis - Tompkins
 Analytical Turnaround: 24-Hr - 48

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C9	S	T	12/16/88	}	TVHS	5030/80.5
C10	↓	↓	↓		↓	
C11	↓	↓	↓		↓	
C12	↓	↓	↓		↓	

* * * * *

Released by: Sean Carson Date: 12/16/88
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 12/16/88
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: CE MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: D. Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs.

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C-43-1	S	T	6/8/89	}	TVH/BTEX	8015/8020
C-43-2	↓	↓	↓		Composite Sample	5030
C-43-3	↓	↓	↓			
C-44-1	S	T	6/8/89	}	TVH/BTEX	8015/8020
C-44-2	↓	↓	↓		Composite Sample	5030
C-44-3	↓	↓	↓			
C-45-1	S	T	6/8/89	}	TVH/BTEX	8015/8020
C-45-2	↓	↓	↓		Composite Sample	5030
C-45-3	↓	↓	↓			

* * * Sample 1" into end of tube w/ black tape on cap * * *

Released by: Dennis Alifan Date: 6/8/89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Mary Matter Date: 6/8/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 HRS.

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C51-1	S	T	6-12-89	}	TVH/BTXE Composite Sample	P015/P020 5030
C51-2	↓	↓	↓			
C51-3	↓	↓	↓			
C52-1	S	T	6-12-89	}	TVH/BTXE Composite Sample	P015/P020 5030
C52-2	↓	↓	↓			
C52-3	↓	↓	↓			
C53-1	S	T	6-12-89	}	TVH/BTXE Composite Sample	P015/P020 5030
C53-2	↓	↓	↓			
C53-3	↓	↓	↓			

* Sample 1" into end of tube w/ Black tape on cap
 * * * * *

Released by: Dennis Alexander Date: 6-13-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Wilson Date: 6/13/89
 Relinquished by Laboratory: Do Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430-002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs.

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C54-1	S	T	6-13-89		TVH/BTXE	8015/8020
C54-2	↓	↓	↓		Composite	5030
C54-3	↓	↓	↓		Sample	
C55-1	S	T	6-13-89		TVH/BTXE	8015/8020
C55-2	↓	↓	↓		Composite	5030
C55-3	↓	↓	↓		Sample	

* * Sample 1" into end of tube marked w/B or Black tape * * * * *

Released by: Dennis Alexander Date: 6-13-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Amplification Date: 6-13-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Caeson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C60-1	S	T	6-16-89	}	TVH/BTEX	8015/8020
C60-2	↓	↓	↓		Composite	5030
C60-3	↓	↓	↓		Sample	
C61-1	S	T	6-16-89	}	TVH/BTEX	8015/8020
C61-2	↓	↓	↓		Composite	5030
C61-3	↓	↓	↓		Sample	
C62-1	S	T	6-16-89	}	TVH/BTEX	8015/8020
C62-2	↓	↓	↓		Composite	5030
C62-3	↓	↓	↓		Sample	

* Sample 1" into end of tube w/ Black tube

Released by: Dennis Alexander Date: 6-16-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 6/16/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C63-1	S	T	6-16-89		TVH/BTEX Composite sample	8015/8020 5030
C63-2	↓	↓	↓			
C63-3	↓	↓	↓			
C64-1	S	T	6-16-89		TVH/BTEX Composite sample	8015/8020 5030
C64-2	↓	↓	↓			
C64-3	↓	↓	↓			

* * Sample 1" into end of tube w/ Black tape * * * * *

Released by: Dennis Alexander Date: 6-16-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 6/16/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C69-1	S	T	6-21-89	}	TUH/BTXE	8015/8020
C69-2	↓	↓	↓		Composite	5030
C69-2	↓	↓	↓		sample	
C69-3	↓	↓	↓			
C70-1	S	T	6-21-89	}	TUH/BTXE	8015/8020
C70-2	↓	↓	↓		Composite	5030
C70-3	↓	↓	↓		sample	

* Sample 1" into end of tube w/ Black tape * * * * *

Released by: Dennis Alexander Date: 6-21-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy Abtten Date: 6-21-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C71-1	S	T	6-21-89	}	TUH/BTEX	8015/8020
C71-2	↓	↓	↓		Composite	5030
C71-3	↓	↓	↓		sample	
C72-1	S	T	6-21-89	}	TUH/BTEX	8015/8020
C72-2	↓	↓	↓		Composite	5030
C72-3	↓	↓	↓		sample	
C73-1	S	T	6-21-89	}	TUH/BTEX	8015/8020
C73-2	↓	↓	↓		Composite	5030
C73-3	↓	↓	↓		sample	

* * Sample 1" into end of tube w/ Black tape * * * * *

Released by: Dennis Alexander Date: 6-21-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: unsubmitted Date: 6-21-89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C74-1	S	T	6-28-89		TVH/BTXE	8015/8020 5030
C74-2	↓	↓	↓		Composite Sample	
C74-3	↓	↓	↓			
C75-1	S	T	6-28-89		TVH/BTXE	8015/8020 5030
C75-2	↓	↓	↓		Composite Sample	
C75-3	↓	↓	↓			
C76-1	S	T	6-28-89		TVH/BTXE	8015/8020 5030
C76-2	↓	↓	↓		Composite Sample	
C76-3	↓	↓	↓			

* Sample 1" into end of tube w/ Black tape

* * * * *

Released by: Dennis Alexander Date: 6-28-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 6/28/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis & Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!!

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C77-1	S	T	6-28-89		TUH/BTXE	8015/8020
C77-2	↓	↓	↓		Composite	5030
C77-3	↓	↓	↓		sample	
C78-1	S	T	6-28-89		TUH/BTXE	8015/8020
C78-2	↓	↓	↓		Composite	5030
C78-3	↓	↓	↓		sample	

* Sample 1" into end of tube w/ black tape

Released by: Dennis Alexander Date: 6-28-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 6/25/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: MLK Tank
 SCI Job Number: 430.002
 Project Contact at SCI: Sean Carson
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: 24 hrs. RUSH!!! ASAP

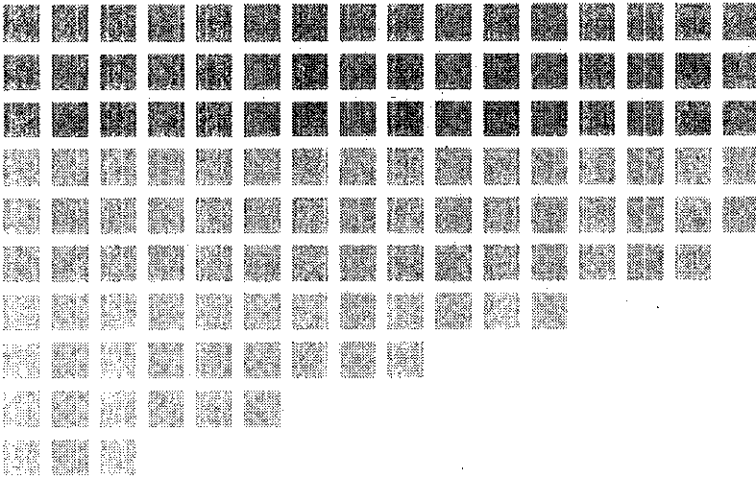
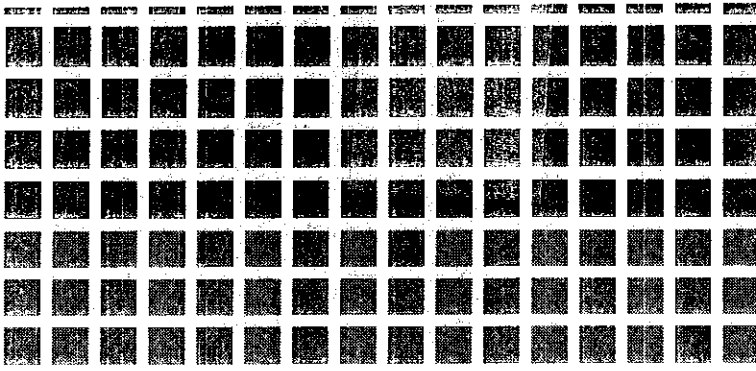
Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
C79-1	S	T			TVH/BTXE	8015/P020
C79-2	↓	↓			Composite	5030
C79-3	↓	↓			Sample	
C80-1	S	T			TVH/BTXE	8015/P020
C80-2	↓	↓			Composite	5030
C80-3	↓	↓			Sample	

* Sample 1" into end of tube w/ Black tape

Released by: Dennis Alexander Date: 7-5-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Nancy J. Wilson Date: 7/5/89
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461



9-25-90


■ Subsurface Consultants, Inc.

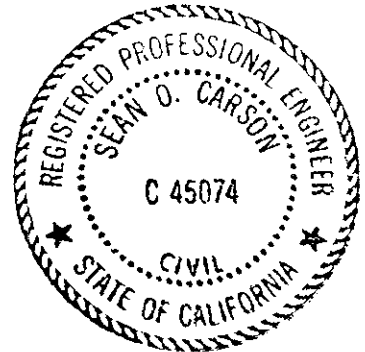
CLOSURE REPORT
THREE UNDERGROUND FUEL TANKS
NEAR 13TH AND JEFFERSON STREETS
OAKLAND, CALIFORNIA
SCI 430.007

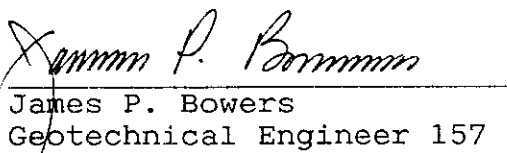
Prepared for:

Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, California 94612

By:


Sean O. Carson
Civil Engineer 45074 (expires 3/31/94)




James P. Bowers
Geotechnical Engineer 157 (expires 3/31/91)



Subsurface Consultants, Inc.
171 12th Street, Suite 201
Oakland, California 94607
(415) 268-0461

September 25, 1990

14th + Jefferson, Oakland

8/31/89

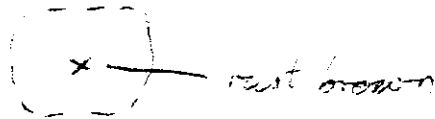
Tanks pulled. Former waste oil tank pulled first. Heavily corroded, some pipe/fixture holes which had been "soldered" just have corroded open.

Unknown tank had minor to moderate corrosion as did the gasoline tank.

(13th St)



Gasoline



Unknown, riveted

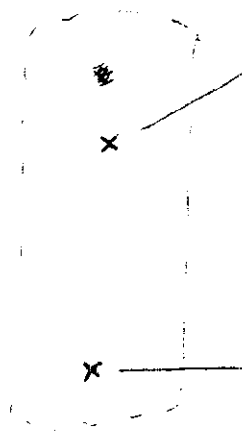


Moist brown clayey sand, has odor of paint thinner (Stoddard solvent?) smells like solvent

Green-grey clayey sand, taken immediately below tank bottom.

"Soil" / bankfill beneath tank bottom is green/brown/black + shows imprints of tank corrosion

Former waste oil tank, riveted (poss. former fuel oil tank)



Green-grey clayey sand, taken immediately below tank bottom (no soil or fill removed) taken at 9:02. Appears to have some oil + grease

"Sump" end of tank tank bottom has 12 diam. 6-8" deep "protrusion"

I INTRODUCTION

This report records the results of environmental engineering services performed by Subsurface Consultants, Inc. (SCI) during underground tank removal activities at the referenced location. Three (3) underground fuel tanks were encountered during remediation of gasoline contaminated soil associated with another underground tank release. As discussed subsequently, the 3 tanks were found to have created only localized contamination and hence, do not represent the source of gasoline contamination remediated at 13th and Jefferson Streets.

The tanks were encountered during excavation beneath the street and sidewalk, in the area shown on the attached Site Plan, Plate

1. Tank descriptions are summarized below:

<u>Tank Designation</u>	<u>Tank Contents</u>	<u>Estimated Capacity (gallons)</u>	<u>Diameter (feet)</u>	<u>Length (feet)</u>	<u>Type</u>
T1	Water and Oil	1750	5	15	steel
T2	Water and Oil	625	3	12	steel
T3	Gasoline	275	3.5	4	steel

II TANK REMOVAL AND OBSERVATIONS

Prior to tank removal, ^{when?} an underground tank closure plan was filed with the Alameda County Health Care Services Agency

(ACHCSA) and an application for a Permit to Remove Tanks in the City of Oakland was filed with the Fire Marshall's Office. A health and safety plan was submitted as part of these applications. *when?*

HSR, Inc. (HSR) performed tank removal activities. The liquids present in the tanks were removed by a vacuum truck and transported to a recycling facility by H & H Ship Service Company. The liquids were manifested as a hazardous waste. A copy of the manifest is attached. HSR purged the tanks of vapors by adding dry ice in conformance with the Fire Marshall's specifications. The tank atmospheres were checked using a combustible gas meter to confirm that the atmospheres were less than 10% of the lower explosive limit (LEL). The tanks were subsequently removed and placed on a semi-truck trailer. The tanks were photographed and inspected prior to transporting them under manifest by H & H Ship Service Company. A copy of the tank manifest is attached. No piping was connected to any of the tanks when they were encountered. *not*

Tanks T1 and T2 contained water and a small quantity of oil. Tanks T1 and T2 were constructed of riveted steel. Tank T3 was of welded steel construction and appeared newer than the others. A small amount of gasoline was present in Tank T3. No penetrations in the tanks were visible. Groundwater was not present in any of the tank excavations. *not*

III ENVIRONMENTAL SAMPLING AND ANALYTICAL TESTING

Environmental soil samples were taken from beneath the tanks following tank removal. Sampling locations are shown on the attached Plate 2. The sampling was performed under the observation of Ms. Katherine Chesick of the ACHCSA. Two samples were taken beneath Tank T1 and one sample each was taken beneath Tanks T2 and T3. The soil samples were retained in precleaned, 2-inch-diameter brass sample liners. Before sampling, approximately 3 inches of surface soil was scraped away from the surface and the sample liner was driven into the soil using a rubber mallet. The sample liner ends were covered with Teflon sheets and plastic caps prior to sealing them with duct tape. The soil samples were placed in an ice chest until delivered to the analytical laboratory.

The soil samples were transmitted to Curtis & Tompkins, Ltd., a laboratory certified by the California Department of Health Services (DHS). The samples were analyzed for the constituents believed to be contained in the respective tanks. The samples from Tanks T1 and T2 were analyzed for total extractable hydrocarbons (EPA 8015, with sonication extraction); oil and grease (SMWW 503E); Title 26 metals; volatile organics (EPA 8240); and semi-volatile organics (EPA 8270). The sample from beneath Tank 3 was analyzed for total volatile hydrocarbons (EPA 8015, purge and trap extraction) and benzene, toluene,

xylene and ethylbenzene (EPA 8020).

The analytical results are summarized in Table 1. The analyses indicated that (1) contamination was present below Tanks 1 and 2, and (2) contamination was not present below Tank 3. The soils below Tank 1 contained low concentrations, i.e., 67 to 73 mg/kg, of oil and grease. The soils beneath Tank 2 contained relatively high concentrations of diesel fuel (22,000 mg/kg) and zinc (3200 mg/kg). Additionally, relatively low concentrations of several polynuclear aromatic hydrocarbons, were detected below Tank 2. The source of the PNA's is uncertain. The high concentrations of zinc are likely associated with the galvanized surface of the tank.

IV CONTAMINATED SOIL REMOVAL

The contaminated soil encountered below tanks T1 and T2 was excavated and stockpiled. Soil samples were obtained at the bottom of the excavations, which extended approximately 11 to 12 feet below street grade. The samples below Tank 1 contained no detectable hydrocarbon contamination after excavation. However, the sample below Tank 2 at a depth of 11 feet below street grade contained small quantities of PNA's. The Excavation below Tank 2 was advanced to 14 feet and resampled. Sample T2 @ 14 feet contained no detectable concentrations of contamination. The results of the analyses performed during soil remediation are summarized in Table 2.

Table 1. CONTAMINANT CONCENTRATIONS IN SOIL FOLLOWING TANK
REMOVAL (mg/kg or parts per million)

<u>Contaminant</u>	<u>T-1N</u> ⁸	<u>T-1S</u>	<u>T-2</u>	<u>T-3</u>
TEH ¹	ND ⁷	ND	22,000	
O&G ²	67	73	ND	
Cadmium	1.5		4.0	
Lead	ND		28	
Zinc	100		3,200	
EPA 8240 ³ chemicals	ND		ND	
TVH ⁵				ND
BTXE ⁶				ND
Polynuclear Aromatic Hydrocarbons (EPA 8270) ⁴				
Napthalene			6.6	
Fluorene			4.3	
Penanthrene			7.6	
2-Methylnapthalene			25	
Other EPA 8270 Chemicals	ND		ND	

1 TEH = Total Extractable Hydrocarbons as diesel

2 O&G = Oil and Grease Method SMWW 503E

3 8240 = Volatile Organics, EPA Test Method 8240

4 8270 = Semi-Volatile Organics, EPA Test Method 8270

5 TVH = Total Volatile Hydrocarbons as gasoline

6 BTXE = Benzene, Toluene, Xylene, Ethylbenzene, EPA Test Method 8020

7 ND = None detected at concentrations above detection limit:
see test reports for detection limits

8 All samples were taken below bottom of tanks.

Table 2. CONTAMINANT CONCENTRATIONS FOLLOWING SOIL EXCAVATION
(mg/kg or parts per million)

<u>Contaminant</u>	<u>T-1N @ 12'</u>	<u>T-1S @ 12'</u>	<u>T2 @ 11'</u>	<u>T2 @ 14'</u>
TEH ¹	ND ³	ND	ND	ND
O&G ²	ND	ND		
Zinc			0.46	
Pyrene			0.13	ND
Benzo(b)fluoranthene			0.11	ND
Indeno(1,2,3 cd)pyrene			0.16	ND
Other PNA's ⁴			ND	ND

¹ TEH = Total Extractable Hydrocarbons, EPA 8015/3550

² O&G = Oil and Grease SMWW 503E

³ ND = None detected at concentrations above detection limits. See analytical reports for detection limits.

⁴ PNA's = Polynuclear Aromatic Hydrocarbons, EPA 8100

V CONTAMINATED SOIL TREATMENT AND DISPOSAL

The contaminated soils excavated from beneath tanks T1 and T2 were aerated and stockpiled on-site. Approximately 50 yards of diesel and oil and grease contaminated soil were removed from beneath the tanks. These materials were disposed of at the west Contra Costa County Sanitary Landfill in Richmond, California. Prior to disposal, two samples of the aerated soil were obtained (Samples TISPA and TISPB) and analyzed for oil and grease (SMWW

503E) and extractable hydrocarbons (EPA 8015/3550). The analyses indicated no detectable oil and grease, and diesel concentrations of 40 and 45 mg/kg. The analytical test reports are included in the Appendix.

VI CONCLUSIONS

Soil containing diesel, oil and grease, and low concentrations of PNA's was encountered beneath Tanks T1 and T2. Based on the analytical data, we conclude that the contaminated soils were satisfactorily removed by excavation. The volume of oil and grease, and diesel released from the tanks was relatively small, and appeared to have impacted soils up to about 6 feet below the tanks, or about 12 feet below street grades. Contamination did not extend to groundwater, which exists about 26 feet below the street level.

List of Attached Plates:

Plate 1 - Site Plan

Appendix:

Analytical Test Reports
Chain-of-Custody documents
Tank Removal Permit
ACHSA Underground Tank Closure Plan

Distribution:

1 copy: Mr. John Esposito
Bramalea Pacific
1221 Broadway, Suite 1800
Oakland, CA 94612

1 copy: Ms. Lois Parr
City of Oakland, OEDE
1333 Broadway, Suite 900
Oakland, CA 94612

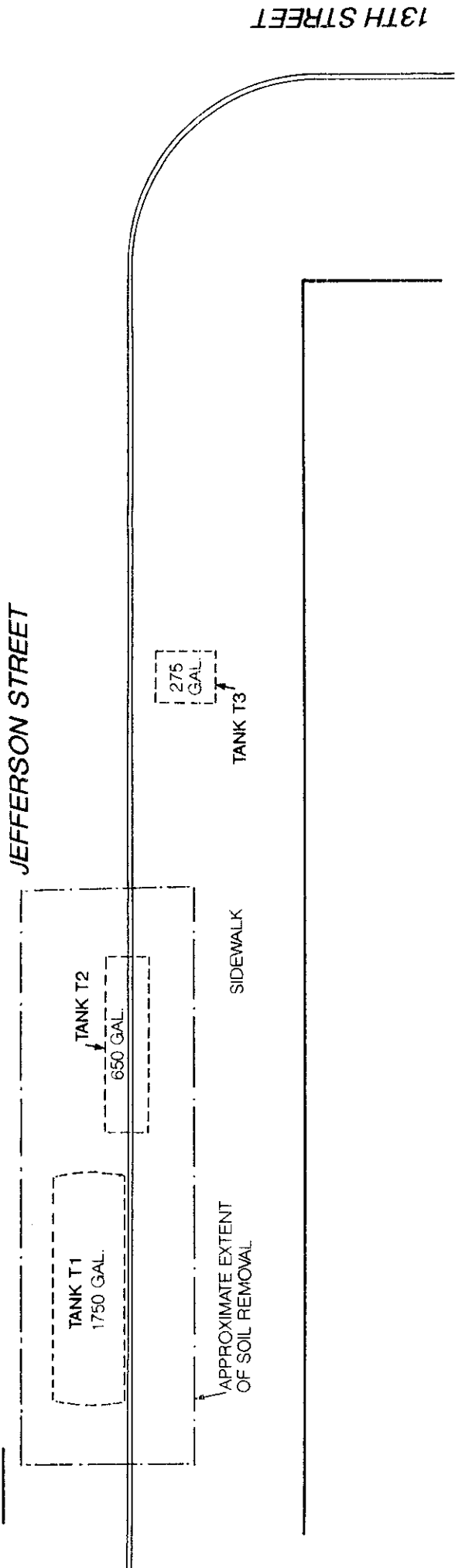
1 copy: Ms. Katherine Chesick
Alameda County Health Care Services Agency
Division of Hazardous Materials
80 Swan Way, #200
Oakland, CA 94612

1 copy: Mr. Lester Feldman
Regional Water Quality Control Board
1800 Harrison street, Suite 700
Oakland, CA 94612

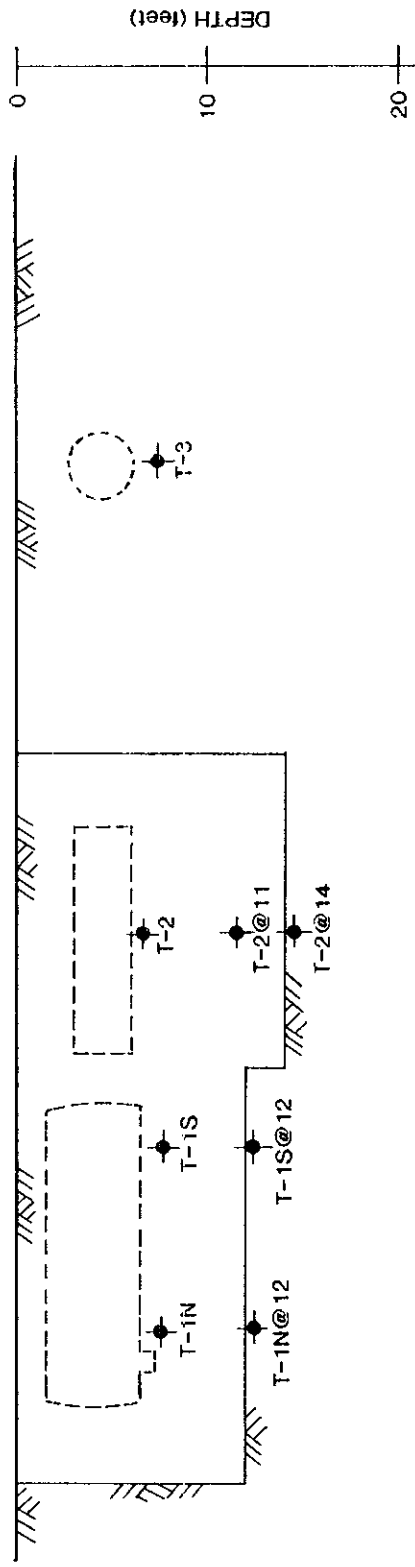
1 copy: Mr. Roy Ikeda
Crosby, Heafey, Roach & May
1999 Harrison Street
Oakland, CA 94612

SOC:JPB:RWR:clh

PLAN



CROSS SECTION

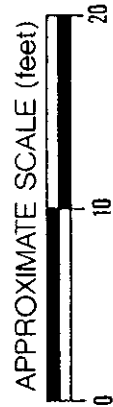


SAMPLE LOCATION

◆ TANK

◆ T-1N@12

◆ SAMPLE DESIGNATION AND DEPTH (feet)



SITE PLAN

13TH & JEFFERSON - OAKLAND, CA		PLATE
JOB NUMBER	DATE	APPROVED
430.007	7/18/90	<i>[Signature]</i>

Subsurface Consultants



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1 2 3 4 5 6
7 8 9 10 11 12

DATE RECEIVED: 02/23/90
DATE REPORTED: 03/06/90
PAGE 1 OF 3

LAB NUMBER: 19677

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 2 SOIL SAMPLES

PROJECT #: 430.007
LOCATION: TANK & WELL REMEDIATION

RESULTS: SEE ATTACHED

Alex for MEP

QA/QC Officer

J. G. A. for CBS

Laboratory Director

LAB NUMBER: 19677
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT # : 430.007
 LOCATION: TANK & WELL REMEDIATION

DATE RECEIVED: 02/23/90
 DATE ANALYZED: 02/27/90
 DATE REPORTED: 03/06/90
 PAGE 2 OF 3

ANALYSIS: OIL AND GREASE
 METHOD: SMWW 503E

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
19677-1	T1SPA	ND	mg /Kg	50
19677-2	T1SPB	ND	mg /Kg	50

ND = NONE DETECTED

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	87

LABORATORY NUMBER: 19677
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.007
 LOCATION: TANK & WELL REMEDIATION

DATE RECEIVED: 02/23/90
 DATE ANALYZED: 03/04/90
 DATE REPORTED: 03/06/90
 PAGE 3 OF 3

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE (mg /Kg)	DIESEL (mg /Kg)	OTHER (mg /Kg)
19677-1	T1SPA	ND(10)	45*	ND(10)
19677-2	T1SPB	ND(10)	40*	ND(10)

*Fingerprint pattern does not match hydrocarbon standards. Quantitation based on area sum within C12-C26 boiling range.

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	6
Spike: % Recovery	83



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7:8,9,10,11,12,1,2,3,4,5,6

DATE RECEIVED: 08/31/89
DATE REPORTED: 09/05/89
PAGE 1 OF 8

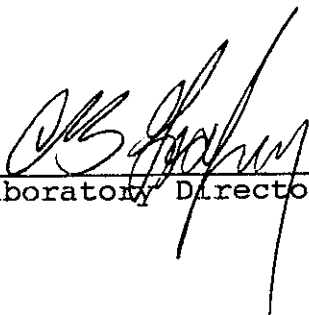
LAB NUMBER: 18163

CLIENT: SUBSURFACE CONSULTANTS, INC.

REPORT ON: 1 SOIL SAMPLE

JOB #: 430.003
LOCATION: 13TH AND JEFFERSON

RESULTS: SEE ATTACHED



Laboratory Director

LABORATORY NUMBER: 18163
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13TH AND JEFFERSON

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/02/89
 DATE REPORTED: 09/05/89
 PAGE 2 OF 8

Extractable Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSENE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
18163-1	T-IN	ND(10)	ND(10)	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	3
Spike: % Recovery	85

LAB NUMBER: 18163
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT # : 430.003
 LOCATION: 13TH AND JEFFERSON

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/05/89
 DATE REPORTED: 09/05/89
 PAGE 3 OF 8

ANALYSIS: OIL AND GREASE
 METHOD: SMWW 503E

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
18163-1	T-IN	67	mg/Kg	50

QA/QC SUMMARY

=====

RECOVERY, %

=====

84

LABORATORY NUMBER: 18163
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT #: 430.003
 LOCATION: 13TH AND JEFFERSON
 SAMPLE ID: T-IN

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/05/89
 DATE REPORTED: 09/05/89
 PAGE 4 OF 8

ANALYSIS	RESULT	UNITS	DETECTION LIMIT	METHOD
CADMIUM	1.5	mg/Kg	0.5	EPA 6010
CHROMIUM	28	mg/Kg	0.5	EPA 6010
LEAD	ND	mg/Kg	2.5	EPA 7420
ZINC	100	mg/Kg	0.5	EPA 6010

ND = NOT DETECTED

QA/QC:

METAL	%RPD	%RECOVERY
CADMIUM	6	90
CHROMIUM	1	98
LEAD	<1	93
ZINC	14	103

LABORATORY NUMBER: 18163
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 SAMPLE ID: T-IN

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/02/89
 DATE REPORTED: 09/05/89
 PAGE 5 OF 8

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result ug/kg	Detection Limit ug/kg
chloromethane	ND	50
bromomethane	ND	50
vinyl chloride	ND	50
chloroethane	ND	50
methylene chloride	ND	25
trichlorofluoromethane	ND	25
1,1-dichloroethene	ND	25
1,1-dichloroethane	ND	25
trans-1,2-dichloroethene	ND	25
chloroform	ND	25
1,2-dichloroethane	ND	25
1,1,1-trichloroethane	ND	25
carbon tetrachloride	ND	25
bromodichloromethane	ND	25
1,2-dichloropropane	ND	25
cis-1,3-dichloropropene	ND	25
trichloroethylene	ND	25
dibromochloromethane	ND	25
1,1,2-trichloroethane	ND	25
benzene	ND	25
trans-1,3-dichloropropene	ND	25
2-chloroethylvinyl ether	ND	50
bromoform	ND	25
1,1,2,2-tetrachloroethane	ND	25
tetrachloroethylene	ND	25
toluene	ND	25
chlorobenzene	ND	25
ethyl benzene	ND	25

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	50
carbon disulfide	ND	25
2-butanone	ND	50
vinyl acetate	ND	50
2-hexanone	ND	50
4-methyl-2-pentanone	ND	50
styrene	ND	25
total xylenes	ND	25

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	91%
Toluene-d8	104%
Bromofluorobenzene	86%

LABORATORY NUMBER: 18163
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 CLIENT ID: T-IN

DATE RECEIVED: 08/31/89
 DATE EXTRACTED: 08/31/89
 DATE ANALYZED: 09/01/89
 DATE REPORTED: 09/05/89
 PAGE 6 OF 8

EPA METHOD 8270: BASE/NEUTRAL AND ACID EXTRACTABLES IN SOILS & WASTES
 EXTRACTION METHOD: EPA 3550 SONICATION

ACID COMPOUNDS	RESULT ug/kg	LOD ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Nitrophenol	ND	1600
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1600
4-Nitrophenol	ND	1600
2-Methyl-4,6-dinitrophenol	ND	1600
Pentachlorophenol	ND	1600

BASE/NEUTRAL COMPOUNDS

N-Nitrosodimethylamine	ND	1600
Bis(2-chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
Bis(2-chloroisopropyl)ether	ND	330
N-nitrosodi-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
Bis(2-chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
Dimethyl phthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
Acenaphthene	ND	330
2,4-Dinitrotoluene	ND	330
Fluorene	ND	330
Diethyl phthalate	ND	330
4-Chlorophenylphenyl ether	ND	330
N-Nitrosodiphenylamine	ND	330
1,2-Diphenylhydrazine	ND	330
4-Bromophenylphenyl ether	ND	330

LABORATORY NUMBER: 18163
 CLIENT ID: T-IN

 EPA 8270
 PAGE 7 OF 8

BASE/NEUTRAL COMPOUNDS

	RESULT ug/kg	LOD ug/kg
Azobenzene	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Dibutylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	1600
Pyrene	ND	330
Butylbenzylphthalate	ND	330
Benzo (a) anthracene	ND	330
3,3'-Dichlorobenzidine	ND	1600
Chrysene	ND	330
Bis (2-ethylhexyl)phthalate	ND	330
Di-n-octyl phthalate	ND	330
Benzo (b) fluoranthene	ND	330
Benzo (k) fluoranthene	ND	330
Benzo (a) pyrene	ND	330
Indeno (1,2,3-cd) pyrene	ND	330
Dibenzo (a,h) anthracene	ND	330
Benzo (ghi) perylene	ND	330

HSL COMPOUNDS

Aniline	ND	330
Benzoic Acid	ND	1600
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2,4,5-Trichlorophenol	ND	1600
Aniline	ND	30
Benzyl Alcohol	ND	330
4-Chloroaniline	ND	330
2-Methylnaphthalene	ND	330
2-Nitroaniline	ND	1600
3-Nitroaniline	ND	1600
Dibenzofuran	ND	330
4-Nitroaniline	ND	1600

LABORATORY NUMBER: 18163
 CLIENT ID: T-IN

 EPA 8270
 PAGE 8 OF 8

COMPOUND	RESULT ug/kg	LOD ug/kg
CHLORINATED PESTICIDES		
alpha-BHC	ND	330
beta-BHC	ND	330
gamma-BHC	ND	330
delta-BHA	ND	330
Heptachlor	ND	330
Aldrin	ND	330
Heptachlor Epoxide	ND	330
Endosulfan I	ND	330
pp-DDE	ND	330
Dieldrin	ND	330
Endrin	ND	330
Endosulfan II	ND	330
pp-DDD	ND	330
Endrin Ketone	ND	330
Endosulfan Sulfate	ND	330
pp-DDT	ND	330
Chlordane	ND	1650
Toxaphene	ND	1650
Methoxychlor	ND	1650
PCB 1016	ND	1650
PCB 1221	ND	1650
PCB 1232	ND	1650
PCB 1242	ND	1650
PCB 1248	ND	1650
PCB 1254	ND	1650
PCB 1260	ND	1650

ND = None Detected, Limit of Detection (LOD) appears in far right column

QA/QC SUMMARY

Compound	%Recovery	Compound	%Recovery
2-Flouorophenol	89%	Nitrobenzene-d5	75%
Phenol-d5	110%	2-Flourobiphenyl	85%
2,4,6-tribromophenol	85%	Terphenyl	108%

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DATE REPORTED: 09/13/89
PAGE 1 OF 9

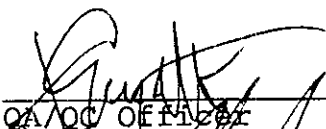
LAB NUMBER: 18164

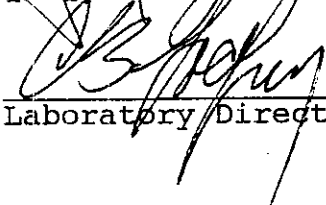
CLIENT: SUBSURFACE CONSULTANTS, INC.

REPORT ON: 3 SOIL SAMPLES

JOB #: 430.003
LOCATION: 13th AND JEFFERSON

RESULTS: SEE ATTACHED



QA/QC Officer


Laboratory Director

LABORATORY NUMBER: 18164
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/08/89
 DATE REPORTED: 09/13/89
 PAGE 2 OF 9

Extractable Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSENE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
18164-1	T1-S	ND(10)	ND(10)	ND(10)	ND(10)
18164-2	T2	ND(100)	ND(100)	22,000*	ND(100)

ND = Not Detected; Limit of detection in parentheses.

* = Fingerprint pattern does not match Hydrocarbon Standards.
 Quantitation based on total area within C-12 TO C-22 boiling range.

QA/QC SUMMARY

Duplicate: Relative % Difference	11
Spike: % Recovery	95

LABORATORY NUMBER: 18164
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 430.003
 JOB LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/13/89
 DATE REPORTED: 09/13/89
 PAGE 3 OF 9

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
18164-3	T3	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	92

LAB NUMBER: 18164
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT # : 430.003
 LOCATION: 13th AND JEFFERSON

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/13/89
 DATE REPORTED: 09/13/89
 PAGE 4 OF 9

ANALYSIS: OIL AND GREASE
 METHOD: SMWW 503E

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
18164-1	T1-S	73	mg/Kg	50
18164-2	T2	ND	mg/Kg	50

ND = None Detected

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	84

LABORATORY NUMBER: 18164-2
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 SAMPLE ID: T2

DATE RECEIVED: 08/31/89
 DATE ANALYZED: 09/11/89
 DATE REPORTED: 09/13/89
 PAGE 5 OF 9

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result ug/kg	Detection Limit ug/kg
chloromethane	ND	1000
bromomethane	ND	1000
vinyl chloride	ND	1000
chloroethane	ND	1000
methylene chloride	ND	500
trichlorofluoromethane	ND	500
1,1-dichloroethene	ND	500
1,1-dichloroethane	ND	500
trans-1,2-dichloroethene	ND	500
chloroform	ND	500
1,2-dichloroethane	ND	500
1,1,1-trichloroethane	ND	500
carbon tetrachloride	ND	500
bromodichloromethane	ND	500
1,2-dichloropropane	ND	500
cis-1,3-dichloropropene	ND	500
trichloroethylene	ND	500
dibromochloromethane	ND	500
1,1,2-trichloroethane	ND	500
benzene	ND	500
trans-1,3-dichloropropene	ND	500
2-chloroethylvinyl ether	ND	1000
bromoform	ND	500
1,1,2,2-tetrachloroethane	ND	500
tetrachloroethylene	ND	500
toluene	ND	500
chlorobenzene	ND	500
ethyl benzene	ND	500

Non-Priority Hazardous Pollutant Substances List Compounds

acetone	ND	1000
carbon disulfide	ND	500
2-butanone	ND	1000
vinyl acetate	ND	1000
2-hexanone	ND	1000
4-methyl-2-pentanone	ND	1000
styrene	ND	500
total xylenes	ND	500

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	101%
Toluene-d8	100%
Bromofluorobenzene	112%

LABORATORY NUMBER: 18164-2
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.003
 CLIENT ID: T2

DATE RECEIVED: 08/31/89
 DATE EXTRACTED: 09/06/89
 DATE ANALYZED: 09/07/89
 DATE REPORTED: 09/13/89
 PAGE 6 OF 9

EPA METHOD 8270: BASE/NEUTRAL AND ACID EXTRACTABLES IN SOILS & WASTES
 EXTRACTION METHOD: EPA 3550 SONICATION

ACID COMPOUNDS	RESULT ug/kg	LOD ug/kg
Phenol	ND	330
2-Chlorophenol	ND	330
2-Nitrophenol	ND	1650
2,4-Dimethylphenol	ND	330
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	660
2,4,6-Trichlorophenol	ND	330
2,4-Dinitrophenol	ND	1650
4-Nitrophenol	ND	1650
2-Methyl-4,6-dinitrophenol	ND	1650
Pentachlorophenol	ND	1650

BASE/NEUTRAL COMPOUNDS

N-Nitrosodimethylamine	ND	330
Bis(2-chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
Bis(2-chloroisopropyl)ether	ND	330
N-nitrosodi-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
Bis(2-chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	6,600	330
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
Dimethyl phthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
Acenaphthene	ND	330
2,4-Dinitrotoluene	ND	330
Fluorene	4,300	330
Diethyl phthalate	ND	330
4-Chlorophenylphenyl ether	ND	330
N-Nitrosodiphenylamine	ND	330
1,2-Diphenylhydrazine	ND	330
4-Bromophenylphenyl ether	ND	330

LABORATORY NUMBER: 18164-2
 CLIENT ID: T2

 EPA 8270
 PAGE 7 OF 9

BASE/NEUTRAL COMPOUNDS

	RESULT ug/kg	LOD ug/kg
Azobenzene	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	7,600	330
Anthracene	ND	330
Dibutylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
Benzo (a) anthracene	ND	330
3,3'-Dichlorobenzidine	ND	1650
Chrysene	ND	330
Bis (2-ethylhexyl)phthalate	ND	330
Di-n-octyl phthalate	ND	330
Benzo (b) fluoranthene	ND	330
Benzo (k) fluoranthene	ND	330
Benzo (a) pyrene	ND	330
Indeno (1,2,3-cd) pyrene	ND	660
Dibenzo (a,h) anthracene	ND	660
Benzo (ghi) perylene	ND	660

HSL COMPOUNDS

Aniline	ND	330
Benzoic Acid	ND	1650
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2,4,5-Trichlorophenol	ND	1650
Aniline	ND	330
Benzyl Alcohol	ND	330
4-Chloroaniline	ND	330
2-Methylnaphthalene	25,000	330
2-Nitroaniline	ND	330
3-Nitroaniline	ND	330
Dibenzofuran	ND	330
4-Nitroaniline	ND	330

LABORATORY NUMBER: 18164-2
 CLIENT ID: T2

 EPA 8270
 PAGE 8 OF 9

COMPOUND	RESULT ug/kg	LOD ug/kg
CHLORINATED PESTICIDES		
alpha-BHC	ND	330
beta-BHC	ND	330
gamma-BHC	ND	330
delta-BHA	ND	330
Heptachlor	ND	330
Aldrin	ND	330
Heptachlor Epoxide	ND	330
Endosulfan I	ND	330
pp-DDE	ND	330
Dieldrin	ND	330
Endrin	ND	330
Endosulfan II	ND	330
pp-DDD	ND	330
Endrin Ketone	ND	330
Endosulfan Sulfate	ND	330
pp-DDT	ND	330
Chlordane	ND	1650
Toxaphene	ND	1650
Methoxychlor	ND	1650
PCB 1016	ND	1650
PCB 1221	ND	1650
PCB 1232	ND	1650
PCB 1242	ND	1650
PCB 1248	ND	1650
PCB 1254	ND	1650
PCB 1260	ND	1650

ND = None Detected, Limit of Detection (LOD) appears in far right column

QA/QC SUMMARY

Compound	%Recovery	Compound	%Recovery
2-Flouorophenol	76%	Nitrobenzene-d5	130%
Phenol-d5	90%	2-Flourobiphenyl	86%
2,4,6-tribromophenol	75%	Terphenyl	100%

LABORATORY NUMBER: 18164-2
CLIENT: SUBSURFACE CONSULTANTS
PROJECT #: 430.003
LOCATION: 13th AND JEFFERSON
SAMPLE ID: T2

DATE RECEIVED: 08/31/89
DATE ANALYZED: 09/05/89
DATE REPORTED: 09/13/89
PAGE 9 OF 9

METALS IN SOILS AND WASTES

METAL	RESULT	UNITS	DETECTION LIMIT	METHOD	% RPD	% RECOVERY
CADMIUM	4.0	mg/Kg	0.5	EPA 6010	6	90
CHROMIUM	28	mg/Kg	0.5	EPA 6010	1	98
LEAD	5.9	mg/Kg	2.5	EPA 7420	<1	93
ZINC	3,200	mg/Kg	0.5	EPA 6010	2	103



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 09/20/89

DATE REPORTED: 09/25/89

PAGE 1 OF 4

LAB NUMBER: 18325

CLIENT: SUBSURFACE CONSULTANTS, INC.

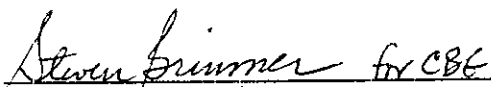
REPORT ON: 1 SOIL SAMPLE

JOB #: 430.007

LOCATION: JEFERSON STREET

RESULTS: SEE ATTACHED


QA/QC Officer


Laboratory Director

LABORATORY NUMBER: 18325
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.007
 LOCATION: JEFFERSON STREET

DATE RECEIVED: 09/20/89
 DATE ANALYZED: 09/22/89
 DATE REPORTED: 09/25/89
 PAGE 2 OF 4

Extractable Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSENE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
18325-2	T2B	ND(10)	ND(10)	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	4
Spike: % Recovery	94

LABORATORY NUMBER: 18325-2
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.007
 SAMPLE ID: T2B

DATE RECEIVED: 09/20/89
 DATE ANALYZED: 09/21/89
 DATE REPORTED: 09/25/89
 PAGE 3 OF 4

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT ug/Kg	DETECTION LIMIT ug/Kg
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	130	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b)fluoranthene	110	50
Benzo(k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	160	50
Dibenzo(a,h)anthracene	TRACE(40)	50
Benzo(ghi)perylene	ND	50

ND = None Detected.

QA/QC SUMMARY

Duplicate: Relative % Difference	9
Average Spike Recovery %	82

LABORATORY NUMBER: 18325
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT #: 430.007
 LOCATION: JEFFERSON STREET

DATE RECEIVED: 09/20/89
 DATE ANALYZED: 09/22/89
 DATE REPORTED: 09/25/89
 PAGE 4 OF 4

=====

ANALYSIS: ZINC
 METHOD REFERENCE: EPA 6010

=====

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
18325-2	T2B	0.46	mg/Kg	0.01

QA/QC:

=====

RPD, %	5
RECOVERY, %	102

=====



RECEIVED

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

FEB 16 1990

7:8,9,10,11,12,13,14,15,16

DATE RECEIVED: 02/07/90
DATE REPORTED: 02/09/90
PAGE 1 OF 4

LAB NUMBER: 19528

CLIENT: SUBSURFACE CONSULTANTS

REPORT ON: 3 SOIL SAMPLES

PROJECT #: 430.007
LOCATION: 13th & JEFFERSON

RESULTS: SEE ATTACHED

M. E. Pivette

QA/QC Officer
J. M. Forciss

Laboratory Director

LABORATORY NUMBER: 19528
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.007
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 02/07/90
 DATE ANALYZED: 02/08/90
 DATE REPORTED: 02/09/90
 PAGE 2 OF 4

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE (mg /Kg)	DIESEL (mg /Kg)	OTHER (mg /Kg)
19528-1	T2@14	ND(10)	ND(10)	ND(10)
19528-2	T-IN@12	ND(10)	ND(10)	ND(10)
19528-3	T-IS@12	ND(10)	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	3
Spike: % Recovery	100

LAB NUMBER: 19528
 CLIENT: SUBSURFACE CONSULTANTS
 PROJECT # : 430.007
 LOCATION: 13th & JEFFERSON

DATE RECEIVED: 02/07/90
 DATE ANALYZED: 02/08/90
 DATE REPORTED: 02/09/90
 PAGE 3 OF 4

ANALYSIS: OIL AND GREASE
 METHOD: SMWW 503E

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
19528-2	T-IN@12	ND	mg /Kg	50
19528-3	T-IS@12	ND	mg /Kg	50

ND = NONE DETECTED

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	83

LABORATORY NUMBER: 19528-1
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 430.007
 LOCATION: 13th & JEFFERSON
 SAMPLE ID: T2@14

DATE RECEIVED: 02/07/90
 DATE ANALYZED: 02/08/90
 DATE REPORTED: 02/09/90
 PAGE 4 OF 4

EPA Method 8100: Polynuclear Aromatic Hydrocarbons in Soils & Wastes
 Extraction Method: EPA 3550

COMPOUND	RESULT	DETECTION LIMIT
	ug/Kg	ug/Kg
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b)fluoranthene	ND	50
Benzo(k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenzo(a,h)anthracene	ND	50
Benzo(ghi)perylene	ND	50

ND = None Detected.

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: Tank & Well ~~Sample~~ Remediation

SCI Job Number: 430.007

Project Contact at SCI: Sean Carson

Sampled By: Dennis Alexander

Analytical Laboratory: Curtis and Tompkins

Analytical Turnaround: * 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>T1 SPA</u>	<u>S</u>	<u>T</u>	<u>2-23-90</u>		<u>TEH+O+G</u>	
<u>T1 SPB</u>	<u>S</u>	<u>T</u>	<u>2-23-90</u>		<u>TEH+O+G</u>	

* Call Project Contact for turnaround *

Released by: Dennis Alexander Date: 2-23-90

Released by Courier: _____ Date: _____

Received by Laboratory: Nancy J. White Date: 2-23-90

Relinquished by Laboratory: _____ Date: _____

Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

ORDER OF CUSTOMER RECORD
& ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.007
 Project Contact at SCI: Sean Conson
 Sampled By: Jim Crowley
 Analytical Laboratory: Curks + Tompkins
 Analytical Turnaround: Rapid

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
T2e14	S	T	2/7/90		TEH PNAS	EPA 8015 Sonora EPA 8100
T-1N@12	S	T	2/7/90		TEH+O+G	8015 + SMWW 50'
T-1S@12	S	T	2/7/90		TEH+O+G	8015 + SMWW 50'

* * * * *

Released by: James S. Crowley Date: 2/7/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Wendy Patton Date: 2/7/90
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: Jefferson St.
 SCI Job Number: 430.007
 Project Contact at SCI: Jim Bowers
 Sampled By: Dennis Alexander
 Analytical Laboratory: Curtis and Tompkins
 Analytical Turnaround: * ~~1~~ 5 day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
						TEH
T2A	S	T	9-20-89	✓		PNAS
T2B	S	T	↓			Zinc
T2C	S	T		✓	*	

* Call project contact for analysis and turnaround

Released by: Dennis Alexander Date: 9-20-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: Belinda Peters Date: 9-20-89
 Relinquished by Laboratory: 3 Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)

² Container Type: V = VOA, P = plastic, G = glass, T = brass tube, O = other (specify)

Notes to Laboratory:

- Notify SCI if there are any anomalous peaks on GC or other scans
- Questions/clarifications...contact SCI at (415) 268-0461

Subsurface Consultants

CHAIN OF CUSTODY RECORD & ANALYTICAL TEST REQUEST

Project Name: 13th + Jefferson
 SCI Job Number: 430.003
 Project Contact at SCI: Sean Carson
 Sampled By: " "
 Analytical Laboratory: Curtis + Tompkins
 Analytical Turnaround: Normal

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
T1-S	S	T	8/31/89	→	TEH O+G	8015/13550 SMW 503
T2	S	T	8/31/89	→	EPA 8240 EPA 8270 w/PCBs ICAP Metals Cd, Cr, Pb, Z	
T3	S	T	8/31/89		TVH BTXE	8015/5030 8020/5030
T1-S - test request changed to only TEH + O+G JB 9/1/89						

* * * * *

Released by: Dennis Alexander Date: 8-31-89
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 8/31/89 16:50
 Relinquished by Laboratory: _____ Date: _____
 Received by: _____ Date: _____

¹ Sample Type: W = water, S = soil, O = other (specify)
² Container Type: V = VOA, P = plastic, G = glass, T = brass tube,
 O = other (specify)

Notes to Laboratory:
 -Notify SCI if there are any anomalous peaks on GC or other scans
 -Questions/clarifications...contact SCI at (415) 268-0461

CITY OF OAKLAND

Excavation Permit No. 9289
Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks.

Oakland, California, August 30, 1989

PERMISSION IS HEREBY GRANTED TO ~~XXXX~~ remove ~~XXXX~~ Gasoline tank and excavate commencing ~~XXXX~~ outside ~~XXXX~~ Property line

on the West side of Jefferson Street 26 - 70 feet north of 13th Street Street Avenue

House No. Near the NW cor of 13th / Jefferson Street Present Storage oil, water, gasoline Avenue

Owner City of Oakland Address 1417 Clay St., 2nd Flr. Phone 273-3692

Applicant Subsurface Consultants, Inc. Address 171 - 12th St., Ste. 201 94607 Phone 268-0461

Dimensions of street (sidewalk) surface to be disturbed X Number of Tanks 1 Capacity 1750 Gallons, each. 650 275

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.

Approved Fire Marshal

Approved Drainage Division Engineering Dept.

EXCAVATING PERMIT

Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

 square feet of digging or removal granted.

The receipt of \$ special deposit is hereby acknowledged.

GENERAL DEPOSIT. BUREAU OF PERMITS AND LICENSES.

Inspection Fee Paid \$ 50.00 ck# 6208 rec# 620422

Received by G. M. Johnson
FIRE PREVENTION BUREAU

Before Covering Tanks, Above Certificate Must Be Signed.

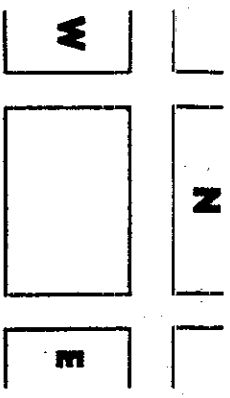
When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on August 31 1989

Letroy Roberts
Remove 3 tanks
2 with obvious corrosion
NOTICE *water*



S

**ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
470 - 27TH ST., RM. 322
OAKLAND, CA 94612
PHONE NO. 415/874-7237**

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

If on other tanks have been tested and found to be acceptable and comply with the requirements of State and local health laws. Changes to your plans should be filed with the Department in order to secure a complete file of all plans and local laws. The plans should be filed with the Department and local health agencies. All applicable laws and regulations should be reviewed.

One copy of the approved plans must be on file with the Department. All construction and equipment installed with the plans should be in accordance with the specifications of these plans. All specifications for the tanks should be filed with the Department and local health agencies. All applicable laws and regulations should be reviewed.



The Department of Environmental Health is responsible for the enforcement of all applicable laws and regulations. The Department will accept plans and all applicable laws and regulations.

RECEIVED DEPARTMENT OF ENVIRONMENTAL HEALTH
OAKLAND, CA 94612
8/28/89
R. Chavira

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name N/A
 Business Owner N/A

2. Site Address 13th & Jefferson Streets, NW Corner
 City Oakland, CA Zip 94612 Phone _____

3. Mailing Address N/A
 City _____ Zip _____ Phone _____

4. Land Owner City of Oakland
 Address 1417 Clay Street City, State Oakland, CA Zip 94612

5. EPA I.D. No. CAC 000092669

6. Contractor HSR, Incorporated
 Address 1540 Parkmoor Avenue
 City San Jose, CA 95128 Phone (408)971-7288
 License Type A. Haz ID# 550120

7. Consultant: Subsurface Consultants, Inc.
 Address 171 12th Street, Suite 201
 City Oakland, CA 94607 Phone (415)268-0461

8. Contact Person for Investigation

Name James P. Bowers Title Project Manager
Subsurface Consultants, Inc.
Phone (415) 268-0461

9. Total No. of Tanks at facility 3

10. Have permit applications for all tanks been submitted to this office? Yes [] No [x]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name CKC EPA I.D. No. CAD 980584510
Address P O Box 2327
City Paso Robles State CA Zip 93446

b) Rinsate Transporter

not applicable tanks not to be revised
~~Name CKC EPA I.D. No. CAD 980584510
Address P O Box 2327
City Paso Robles State CA Zip 93446~~

c) Tank Transporter

Name Stamco EPA I.D. No. CAD 063547996
Address P O Box 150 12475 Llagas Avenue
City San Martin State CA Zip 95046

d) Contaminated Soil Transporter

Name Stamco EPA I.D. No. CAD 063547996
Address P O Box 150 12475 Llagas Avenue
City San Martin State CA Zip 95046

e) Tank Disposal Site: Erikson, Inc., 255 Parr Blvd., Richmond, CA 94801
EPA I.D. No. CAD 009466392

12. Sample Collector

Name Sean Carson
Company Subsurface Consultants, Inc.
Address 171 12th Street, Suite 201
City Oakland State CA Zip 94607 Phone (415)268-0461

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		Collect the following soil samples per tank:
275 gallons	Gasoline	no	minimum of one
650 gallons	Unknown	no	minimum of one
1750 gallons	Waste Oil	no	minimum of two
			Samples shall be collected a maximum of 2 feet into the native soil beneath each tank. Groundwater samples must be collected if groundwater is intercepted.
Collect 1 soil sample for every 20 feet of piping. Collect "piping" sample no deeper than 2 feet beneath piping.			

14. Have tanks or pipes leaked in the past? Yes [] No []

If yes, describe. Unknown

All piping associated with the tanks must be removed. Piping must be emptied/flushed into tank before tank is pumped out and recerted.

15. NFPA methods used for rendering tank inert? Yes [X] No []

If yes, describe. Dry ice - 25 lbs/1000 gallons

SK 16. Laboratories

Name Curtis & Tompkins, Ltd.

Address 2323 Fifth Street

City Berkeley, State CA Zip 94710

State Certification No. 159

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TVH	EPA 5030	EPA 8015
TEH	EPA 3550	EPA 8015
Benzene, Toluene, Xylene, Ethyl Benzene	EPA 5030	EPA 8020
Total Lead		EPA 7420
Oil & Grease	EPA 3550-Freon Extraction	SMWM 503 D and E
Volatile Organics		EPA 8240

If any of the above analyses reveal contamination, then analyze for the following:

*Metals (Cd, Cr, Pb, Zn)
Semi-volatile organic compounds*

*ICAP or AA
EPA 8270 w/PCBS*

18. Site Safety Plan submitted? Yes No

19. Workman's Compensation: Yes No

Copy of Certificate enclosed? Yes No

Name of Insurer Fairmont Insurance Company

20. Plot Plan submitted? Yes No

21. Deposit enclosed? Yes No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

* { I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) JAMES P. BOWERS for SUBSURFACE CONSULTANTS INC.

Signature James P. Bowers

Date 8/25/89

Signature of Site Owner or Operator

Name (please type) LOIS R. PARR, PROJ. MANAGER, City of Oakland

Signature Lois Parr

Date 8/25/89

NOTES:

1. Any changes in this document must be approved by this Department.
- * { 2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.