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LETTER OF TRANSMITTAL

TO: Mr. William Robison
Buttner Properties
600 West Grand Avenue
Oakland, CA 94612

DATE: July 1, 1991
PROJECT: 2250 Telegraph Avenue/Underground Tank Closure
SCI JOB NUMBER: 609.002

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

REMARKS:

COPIES TO: (1) Mr. Paul Smith, Hazardous Materials Specialist, Alameda County Health Care Services Agency, 80 Swan Way, Room #200, Oakland, CA 94621

BY: Jerianne N. Alexander
Jerianne N. Alexander

■ Subsurface Consultants, Inc.

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

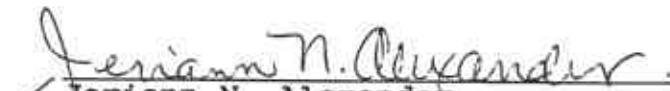
UNDERGROUND TANK CLOSURE AND
FUTURE SERVICES WORK PLAN
2250 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
SCI 609.002

7-1-91

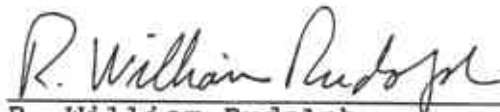
Prepared for:

Mr. William Robison
Buttner Properties
600 West Grand Avenue
Oakland, California 94574

By:


Jeriann N. Alexander
Civil Engineer 40469 (expires 3/31/95)




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



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July 1, 1991

I INTRODUCTION

This report presents the results of environmental engineering services performed by Subsurface Consultants, Inc., (SCI) during underground tank removal activities at 2250 Telegraph Avenue in Oakland, California. The site encompasses the northeast corner of the intersection of Telegraph and West Grand Avenues, as shown on the Site Plan, Plate 1. Two gasoline tanks and one waste oil storage tank were removed from the site on August 28, 1990. SCI was retained by Buttner Properties to 1) obtain samples as required by the Alameda County Health Care Services Agency (ACHCSA) during tank removal activities, 2) direct the removal and disposal of gasoline contaminated soil associated with leakage from the previous gasoline tanks, and 3) provide a future services work plan for site remediation.

II TANK REMOVAL

The gasoline tanks were situated beneath an asphalt paved area near the southwest corner of the property. Two fuel islands were utilized at the site, each island had two dispensers. The waste oil tank was situated adjacent to the east side of the existing building. The fill inlet for the tank is situated within the building. Tank locations are shown on Plate 1. Tank descriptions are summarized below.

Table 1.
Tank Descriptions

<u>Tank Contents</u>	<u>Capacity (gallons)</u>	<u>Diameter (feet)</u>	<u>Length (feet)</u>	<u>Depth to Bottom (feet)</u>
Gasoline	10,000	8.0	28.0	12.0
Gasoline	10,000	8.0	28.0	12.0
Waste oil	280	3.5	4.0	8.5

Prior to tank removal, an underground tank closure/modification plan was submitted to and approved by the ACHCSA. In addition, a tank removal permit was obtained from the Oakland Fire Department. An SCI field technician was on site full-time to observe removal activities and collect the required soil and water samples for analysis.

Bay Area Tank and Marine (BATM), a contractor specializing in underground tank installations and removals, performed tank removal activities. Initially, residual product within the tanks was removed. The tanks were then purged of vapors by adding dry ice. Tank atmospheres were checked by the fire department using a combustible gas meter to confirm that the atmospheres were about 10 percent of the lower explosive limit (LEL) prior to removal.

No visible deterioration of the gasoline tanks or respective exposed piping was observed. However, numerous holes were observed in the top of the waste oil tank and its bottom had been corroded through. The tanks were transported under manifest from the site by Erickson, Inc., a licensed hazardous waste hauler. Copies of the manifests are attached. Fuel island dispensers and tank related piping were also removed.

After the gasoline tanks were removed, groundwater was observed within the excavation. The top of the groundwater surface was about 10.5 feet below the adjacent ground surface. Groundwater was not observed within the waste oil tank excavation. However, a small quantity of free oil product was observed.

III ENVIRONMENTAL SAMPLING AND ANALYSIS

Soil and groundwater samples were obtained following tank removal activities in accordance with the Tri-Regional Board Staff recommendations dated August 10, 1990. Soil samples were retained in pre-cleaned, two-inch-diameter brass sample liners. Sample liner ends were covered with Teflon sheeting and plastic caps, prior to sealing them with duct tape. Water samples were retained in glass containers, pre-cleaned by the supplier in accordance with EPA protocol. Soil and water samples were refrigerated until delivery to the analytical laboratory. The samples were transported to Chromalab, Inc., a laboratory certified by the California DHS to conduct the tests requested.

A. Gasoline Tank and Dispenser Areas

Nine (9) soil samples and one water sample were collected and analyzed from the gasoline tank excavation. The samples were analyzed for gasoline (EPA 8015/5030); benzene, toluene, xylene, and ethylbenzene (BTEX by EPA 8020/5030); and total lead (EPA 7420/6010). The results of the analyses are summarized in Table 2.

orig. ex.

Table 2.
Contaminants In Soil And Water From
Gasoline Tank And Dispenser Areas

way?

<u>Tank Excavation</u>	<u>Gasoline (ppm)¹</u>	<u>Benzene (ppb)²</u>	<u>Toluene (ppb)</u>	<u>Ethyl-benzene (ppb)</u>	<u>Xylene (ppb)</u>	<u>Lead (ppm)</u>
G3 @ 10'	120	820	560	2300	4000	9.07
G4 @ 10'	18	89	11	150	520	19.2
G5 @ 10'	270	2300	220	3400	410	5.43
G6 @ 15'	8.3	320	6.3	170	220	4.93
G7 @ 11'	6.3	270	34	ND	160	8.45
G8 @ 16'	ND ³	19	5.6	ND	ND	6.65
G9 @ 10'	ND	ND	ND	ND	ND	5.54
G10 @ 16'	260	1600	670	1300	460	8.36
G11 @ 10'	52	ND	ND	ND	ND	6.01
<u>Water in Excavation</u>						
W	69	4500	2200	1600	3800	2.34
<u>Dispenser Areas</u>						
D1 @ 0.5'	ND	ND	ND	ND	ND	201
D2 @ 0.5'	1700	2300	9500	35000	77000	107
D3 @ 0.5'	200	850	1600	3800	18000	91.7
D4 @ 0.5'	ND	ND	ND	ND	9.1	537

¹ ppm = parts per million = milligrams per kilogram or milligrams per liter
² ppb = parts per billion = micrograms per kilogram or micrograms per liter
³ ND = None detected, chemicals not present at concentrations above detection limits.

B. Waste Oil Tank Area *→ where? sidewalls.*

Two soil samples were obtained from the waste oil tank excavation. In addition, 4 samples were obtained of the soil removed from the tank pit. The samples were analyzed for gasoline (EPA 8015/5030), diesel (EPA 8015/3550), oil and grease (SMWW 5520), BTEX (EPA 8020/5030), purgeable halocarbons (EPA 8010),



semivolatile organics including PCBs (EPA 8270), lead, cadmium, chromium, copper, nickel, and zinc. Test results are summarized in Table 3.

Table 3.
Hydrocarbon And Metal Concentrations
In Soil From Waste Oil Tank Area

Aug. 21

	WO-1 (ppm) ¹	WO-2 (ppm)	Stockpile ² (ppm)		
<u>Hydrocarbons</u>					
Gasoline	40	740	130		
Total Extractable Hydrocarbons	8000 <i>TPH-d</i>	5740	5800		
Total Oil and Grease	1700	3600	3200		
<u>Metals</u>					
Cadmium	0.431	0.522	0.482	1	100
Chromium	23.4	25.6	26	5	500
Copper	88.4	32.5	23.3	25	2500
Lead	151	112	85.9	5	1000
Nickel	32.5	30.2	27.5	20	2000
Zinc	167	140	70.6	250	5000
<u>Volatiles and Semi Volatiles</u>					
Benzene	1.8	12.0	1.10		
Toluene	0.88	15.0	1.70		
Ethylbenzene	0.80	10.0	2.10		
Xylene	1.2	18.0	3.90		
PCB's	ND ³	-- ⁴	--		
Tetrachlorethane	0.039	0.470	0.066		
Chlorobenzene	0.040	ND	ND		
2-Methylnaphthalene	2.4	--	--		
2-Methylphenol	0.90	--	--		
Naphthalene	1.30	--	--		
Di-n-butylphalate	0.50	--	--		

¹ ppm = parts per million = milligrams per kilogram
² Stockpile sample composed of 4 individual samples representing 10 cubic yards of material
³ ND = None detected, chemicals not present at concentrations above detection limits
⁴ -- = Test not requested

IV SUPPLEMENTAL EXCAVATION AND BACKFILLING

A. Gasoline Tank Area

The analytical results of samples collected following gasoline tank removal indicated that gasoline, BTEX, and lead were present in the soil beneath the tanks. Subsequently, additional soil was excavated in an attempt to remove contaminated materials within practical limits given the current use of the property. The north wall of the tank excavation was widened about 2 feet and the excavation was deepened to about 17 feet below the adjacent groundsurface.

While widening the west wall of the excavation, additional fill material was encountered. The fill varied in consistency and color from the material removed from around the existing tanks. Preliminary research into the history of the site indicated that 2 gasoline tanks had previously existed in the area adjacent to the west side of the existing tanks. It appears that the tanks were removed in the early 1960's when station occupancy changed. As a result, the fill likely represents material placed within the previous excavation after tank removal. Analytical results indicated that the fill possessed elevated petroleum hydrocarbon and BTXE concentrations. As a result, the old material was removed to its horizontal limits. The extent of the final excavation is shown on the Site Plan.

Additional soil samples were obtained and analyzed to document contaminant concentrations following excavation. The samples were analyzed for gasoline and BTEX. In addition, the samples were analyzed for extractable hydrocarbons (EPA 8015/3550) since our experience has been that some weathered gasoline problems are better quantified using this method of analysis. Test results are summarized in Table 4.

Table 4.
Contaminants In Soil Left In Place In
Gasoline Tank and Dispenser Areas

after PWSH

<u>Tank Area</u>	<u>Gasoline (ppm)²</u>	<u>TEH¹ (ppm)</u>	<u>Benzene (ppb)³</u> ppm	<u>Toluene (ppb)</u>	<u>Ethylbenzene (ppb)</u>	<u>Xylene (ppb)</u>
G10 @ 17'	ND	ND	73 .073	ND	ND	ND
G12 @ 10'	52	ND	110	45	480	140
G13 @ 10'	12	ND	220	43	60	130
G14 @ 7.5'	ND	100	ND	ND	ND	ND
G15 @ 9.5'	310	ND	820	59	1300	1600
G16 @ 11'	19	ND	200	41	210	46
G17 @ 6'	24	ND	38	20	12	18
G18 @ 8'	ND	ND	ND	ND	ND	ND
G19 @ 10	ND	ND	ND	ND	ND	ND
G20 @ 17'	ND	ND	ND	ND	ND	ND
G21 @ 10'	ND	ND	ND	ND	ND	ND
G22 @ 10'	ND	87	ND	ND	ND	ND
<u>Dispenser Area</u>						
D2 @ 4.5	ND	ND	ND	ND	ND	ND
D3 @ 4.5	ND	ND	ND	ND	ND	ND

>5 ppb is not allowed

1 TEH = Total Extractable Hydrocarbons
 2 ppm = Parts per million = milligrams per kilogram
 3 ppb = Parts per billion = micrograms per kilogram
 4 ND = None detected = chemicals not present at concentrations above detection limits

The resulting excavation was backfilled with imported material. Approximately 7 to 8 feet of 3/4-inch gravel was placed in the bottom of the excavation to bridge above the water surface. The remaining portion of the excavation was backfilled with imported material consisting of sandy gravel. The fill was placed in thin lifts (8 inches loose thickness) and compacted with a steel drum wheel. Each layer was compacted to at least 90 percent relative compaction in accordance with ASTM D1556 test procedure.

B. Dispenser Areas

The soil samples initially analyzed were situated about 6 inches below each dispenser. The analyses indicated that soil beneath two of the dispensers, one from each island, contained elevated concentrations of gasoline, BTEX and lead. Excavation required to remove the dispenser foundations resulted in removing additional soil. Samples of the materials exposed at a depth of 4.5 feet below the leaking dispensers were subsequently obtained and analyzed. The results are summarized in Table 4. The resulting excavations were backfilled with imported material placed and compacted in accordance with the procedures outlined previously.

C. Waste Oil Tank Area

The analytical results of samples from the waste oil tank area, indicate that a significant release has occurred from the previous tank. Following tank removal, the area was backfilled with the ^{dirty} excavated soil and covered with plastic sheeting. The area will be remediated in the near future, as outlined in a subsequent section.

V GASOLINE CONTAMINATED SOIL REMEDIATION

Excavation activities in the gasoline tank and dispenser areas at the site generated approximately 500 cubic yards of soil requiring remediation. To date remediation activities have involved on-site aeration and landfilling. Approximately 250 cubic yards have been disposed of at the Zanker Resource Management, and Vasco Road landfills. Landfill disposal receipts are attached.

The remaining soil will be aerated on site. The soil will be periodically tested to check on the progress of hydrocarbon degradation. Once contaminant levels are successfully reduced, the material will be disposed of at local Class III landfills as appropriate.

VI DISCUSSION AND CONCLUSIONS

A. Gasoline Tank and Dispenser Areas

1. Soil Contamination

Soil containing elevated concentrations of gasoline, BTEX and lead were encountered during tank and dispenser removal activities. Approximately 250 of the 500 loose cubic yards of contaminated soil have been removed, treated and disposed of at appropriate landfills.

Analytical results indicate that very low concentrations of hydrocarbons and their constituents remain in place beyond the limits of excavation. At the limit of excavation contamination appears to exist in a thin layer at the groundwater surface. Given the current site use and the location of existing facilities it was judged not practical at this time to extend the excavation limits to remove this layer of contamination. Maximum contaminant concentrations left in place are summarized below.

Table 5.
Maximum Contaminant Concentrations
Left In Place In Gasoline Tank Area

at gw surface

Gasoline	310 ppm	✓
Total Extractable Hydrocarbons	IPH-d 100 ppm	✓
Benzene	820 ppb	= .820 ppm
Toluene	59 ppb	
Ethylbenzene	1300 ppb	
Xylene	1600 ppb	

2. Groundwater Contamination

Groundwater is situated about 11 feet below the ground surface at the site. A sample of the water which accumulated in the excavation after tank removal contained elevated concentrations of gasoline, BTEX and lead. No free floating product or sheen was observed on the water surface.

B. Waste Oil Tank Excavation

Test results of samples obtained from the excavation side walls and a composite sample of the excavated material indicate that the soil contains significant concentrations of gasoline, diesel, oil and grease, BTEX, polynuclear aromatic hydrocarbons (PNAs) and several heavy metals. Tetrachloroethane and chlorobenzene, common solvents, were also detected. **Additional** excavation will be required to remove contaminated soils. In addition, Regional Water Quality Control Board guidelines indicate that a soil and groundwater investigation should be conducted whenever concentrations of petroleum hydrocarbons in soil exceed 100 ppm. The investigation should consist of test borings, monitoring wells and analytical testing. A work plan proposing a scope of further investigation is subsequently presented.

RWQCB guidelines indicate that impacts to groundwater should be evaluated whenever detectable levels of petroleum hydrocarbons are present in water within a tank excavation. Mr. Paul Smith, hazardous materials specialist with the ACHCSA has indicated that a groundwater study will be required to assess the impact to groundwater. A work plan proposing well locations and describing field and analytical procedures is subsequently presented.

VII FUTURE SERVICES WORK PLAN

A. Gasoline Soil Remediation

Approximately 200 cubic yards of gasoline contaminated soil still remains on-site. The soil will be aerated on-site in 50 cubic yard batches in accordance with local Bay Area Air Quality Management District (BAAQMD) guidelines. In general, the soil will be spread on a paved surface in layers 6 to 12 inches thick. The soil will be mixed and turned until hydrocarbon concentrations are reduced to allow for disposal at a local Class III landfill. Disposal documents will be transmitted to the ACHCSA once all the soil is treated and disposed.

B. Waste Oil Tank Area

Once the treated gasoline contaminated soil has been disposed, investigation of the waste oil tank area will begin. Initially, contaminated soil replaced within the previous excavation will be removed and stockpiled on site. Locally, the excavation will be extended to practical limits to remove visibly contaminated soil.

SCI will direct excavation activities using an organic vapor meter. Free oil product which may be encountered during excavation will be removed by a licensed hazardous waste hauler. The excavation will likely extend 1 to 2 feet below groundwater.

SCI will obtain soil samples from the limits of the excavation to document the concentration of contaminants left in place. Samples will be obtained for every 10 feet of excavation sidewall. Two samples will be obtained from the bottom of the excavation. If groundwater is encountered, a sample of it will be obtained. Soil samples will be retained in 2-inch-diameter brass sample liners. Sample liner ends will be covered with teflon sheeting and plastic caps, prior to sealing them with duct tape. Water samples will be retained in containers pre-cleaned by the supplier in accordance with EPA protocol. The samples will be promptly refrigerated until they are transmitted to the analytical laboratory. Sampling equipment will be decontaminated prior to each use.

Samples will be analyzed for the contaminants detected during tank removal. The testing program will include the following analyses.

<u>Test</u>	<u>Preparation Method</u>	<u>Analysis Method</u>
Total Volatile Hydrocarbons <i>TPH-g</i>	EPA 5030	EPA 8015 modified
Total Extractable Hydrocarbons <i>TPH-d</i>	EPA 3550	EPA 8015 modified
Total Lead	EPA 3050	EPA 7420/6010
Soluble Lead	CAC Title 26/TCLP	EPA 7420/6010
Total Oil and Grease	SMWW17:5520E&F	SMWW17:5520E&F
<i>CCW</i> Purgeable Halocarbons	EPA 5030	EPA 8010
Semivolatile Organics	EPA 5030	EPA 8270

The excavation will be backfilled with imported fill. The fill will be compacted in thin lifts to 90 percent relative compaction according to ASTM Test Method D1557. Our field representative will perform density tests to check that the materials are properly compacted.

Contaminated soil will be biotreated on site. A bacterial enriched compost will be mixed with the soil and the mixture will be encapsulated in plastic sheeting. The mixture will be periodically tested to check on the progress of hydrocarbon degradation. Once contaminant levels are reduced to acceptable levels, the material will be disposed of at an approved landfill.

C. Groundwater Study

1. Well Installation

Three to four (3 to 4) monitoring wells will be installed to determine whether groundwater has been impacted. Well locations are shown on Plate 1. Groundwater protection ordinance permits will be obtained prior to well installation.

The wells will be constructed in boreholes drilled with hollow stem auger equipment. The boreholes will be sampled every 3 to 5 feet and at significant lithologic changes. Soil samples will be handled as previously described. Soil cuttings generated during drilling will be stored in 55 gallon drums for later disposal by others.

The boreholes will extend about 10 feet below the groundwater surface. If a clayey aquitard is encountered at less than 10 feet below the water surface, the boreholes will extend 5 feet into the aquitard. In general, wells consisting of 2-inch-diameter PVC pipe will be constructed in the boreholes. The lower portion of the wells will consist of machine-slotted well screen having 0.02 inch slots. The screened section will be positioned such that 10 feet extends below the water surface and 5 feet extends above the water surface. The upper portion of the wells will consist of solid pipe. Pipe sections will be connected with flush-threaded joints. The annular space around the screened sections will be filled with a sand filter appropriate for the gradation of the aquifer. A bentonite pellet plug will be placed above the filter pack and the upper portions of the borehole will be sealed with cement/bentonite grout. The wellheads will be secured with locking caps and finished below-grade in traffic-rated utility boxes.

The wells will be developed by pumping and/or bailing until the water is relatively clear. Development water will be placed in drums and left on-site for later disposal by others. Prior to sampling, the wells will be purged of at least 3 well volumes and

allowed to recharge to within 80 percent of their initial volume. Groundwater samples will be obtained from the wells using a dedicated Teflon sampling device. Water samples will be retained in containers precleaned by the supplier in accordance with EPA protocol, and refrigerated until delivery to the analytical laboratory.

After well installation, SCI will perform a level survey of the tops of the well casings using an assumed elevation datum. We will measure the depth to groundwater in the wells and will evaluate the direction and gradient of groundwater flow in the area. SCI will also check the wells for free-floating product.

2. Analytical Testing

At least 3 soil samples collected from the down gradient test boring will be selected for analysis. In addition, at least one soil sample from the other borings will be selected for analysis. One of the samples from each boring will be from the unsaturated zone situated just above the water surface. Water samples from each well will also be analyzed. The testing program will include the following:

Testing Program

<u>Test</u>	<u>Preparation Method</u>	<u>Analysis Method</u>
Total Volatile Hydrocarbons ^{TPH-g} BTEX	EPA 5030	EPA 8015 modified
Total Extractable Hydrocarbons ^{TPH-d}	EPA 3550	EPA 8015 modified
Total Oil and Grease ^{O+G}	SMWW17:5520E&F	SMWW17:5520E&F
Purgeable Halocarbons ^{PHC}	EPA 5030	EPA 8010
Purgeable Aromatics ^{BTEX}	EPA 5030	EPA 8020 ^{BTEX}
Heavy Metals	EPA 3050	ICP/AA
Total Dissolved Solids	EPA 160	EPA 160

A groundwater monitoring program will be proposed after the results of the initial sampling event are reviewed. In general, wells which will be included in the sampling events will be purged of at least 3 well volumes and allowed to recharge to 80 percent of their initial volume prior to sampling. The wells will be sampled and analyzed for the contaminants detected during the initial event. If the test results indicate no detectable contamination for at least 4 consecutive events, a request to cease monitoring will be filed with the ACHCSA and RWQCB.

D. Reporting

Written reports will be prepared after completion of each phase of the project. The reports will summarize services performed at the site, and will include site plans, boring and well logs and analytical test reports, as appropriate. Letter reports will be prepared, as necessary, to document significant findings, and transmit analytical results.

List of Attached Plates:

Plate 1 Site Plan

Appendix

A Analytical Test Reports
Chain-of-Custody Documents

B Hazardous Waste Manifests

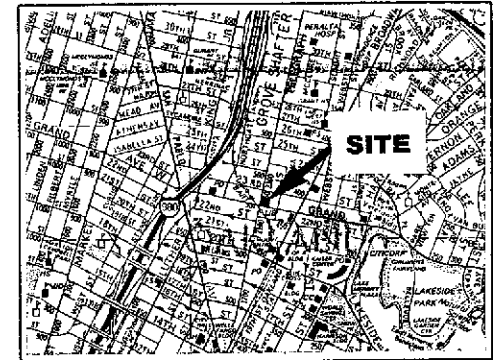
C Landfill Disposal Receipts

Distribution

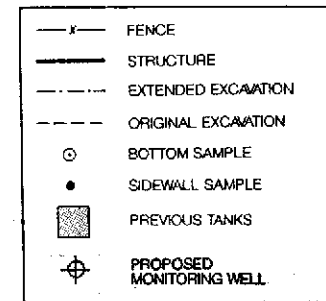
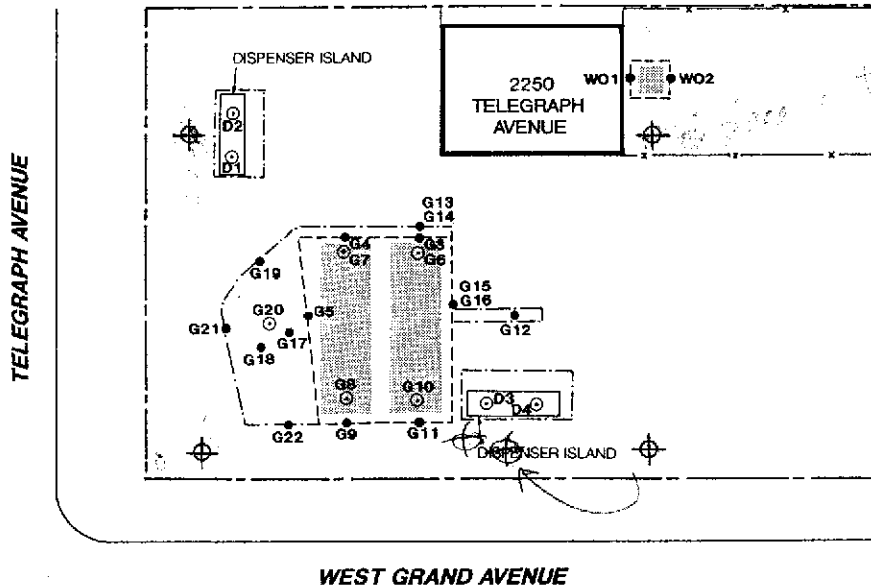
1 copy: Mr. William Robison
Buttner Properties
600 West Grand Avenue
Oakland, California 94612

1 copy: Mr. Paul Smith
Hazardous Materials Specialist
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, California 94621

JNA:JPB:RWR:sld

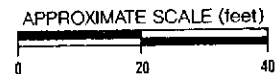


VICINITY MAP



Handwritten notes:
 BART
 609.002
 11/30/90

Handwritten notes:
 CLEAN UP
 11/30/90



SITE PLAN			PLATE
2250 TELEGRAPH AVENUE - OAKLAND, CA			1
JOB NUMBER	DATE	APPROVED	
609.002	11/30/90	<i>[Signature]</i>	

Subsurface Consultants

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: Telegraph Avenue
SCI Job Number: 609.202
Project Contact at SCI: J. Alexander CHROMALAB FILE # 890270
Sampled By: C. Pearson
Analytical Laboratory: Chromalab
Analytical Turnaround: 5-day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
G3	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G4	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G5	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G6	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G7	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G8	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G9	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G10	S	T	8/29/90		Gasoline/BTEX	+ Total lead
G11	S	T	8/29/90		Gasoline/BTEX	+ Total lead
	W	1 liter 4 VOA's	8/29/90		Gasoline/BTEX	+ Total lead

* * * * *

Released by: John Wolfe Date: 8/31/90
Released by Courier: _____ Date: _____
Received by Laboratory: Gene Schmidt Date: 8/31/90 4:30 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: Telegraph Avenue

SCI Job Number: 6009 002

CHROMALAB FILE # 890271

Project Contact at SCI: J. Alexander

Sampled By: C. Pearson

Analytical Laboratory: Chromalab

Analytical Turnaround: 5-day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
WO-1	S	T	8/29/90		EPA 503D,E , GAS/BTEX, TPH-Extractable	EPA 8010, EPA 8270, Pb, Zn, Cd, Ni, Cr, Cu
WO-2	S	T	8/29/90		EPA 503D,E, GAS/BTEX, TPH-Extractable	EPA 8010, EPA 8270 , Pb, Zn, Cd, Ni, Cr, Cu
WP-1	S	T	8/29/90	Composite 3	EPA 8010, EPA 8270, Pb, Zn, Cd, Ni, Cr, Cu	EPA 8010, EPA 8270, Pb, Zn, Cd, Ni, Cr, Cu
WP-2	S	T	8/29/90			
WP-3	S	T	8/29/90			
WP-4	S	T	8/29/90			
D1	S	T	8/30/90		GAS+BTEX + Total lead	
D2	S	T	8/30/90		GAS+BTEX + Total lead	
D3	S	T	8/30/90		GAS+BTEX + Total lead	
D4	S	T	8/30/90		GAS+BTEX + Total lead	

Released by: John Wolfe Date: 8/31/90

Released by Courier: _____ Date: _____

Received by Laboratory: Gene [Signature] Date: 8/31/90 4:30 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: Telegraph Avenue
 SCI Job Number: WD9.002 CHROMALAB FILE # 890272
 Project Contact at SCI: J. Alexander
 Sampled By: C. Pearson
 Analytical Laboratory: Chromalab
 Analytical Turnaround: 5-day

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
S-1	S	T	8/29/90	} Composite 1	Total lead	Total lead
S-2	S	T	8/29/90			
S-3	S	T	8/29/90			
S-4	S	T	8/29/90			
S-5	S	T	8/29/90	} Composite 2	Total lead	Total lead
S-6	S	T	8/29/90			
S-7	S	T	8/29/90			

* * * * *

Released by: John Woff Date: 8/31/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: Gene West Date: 8/31/90 9:20
 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

CHROMALAB, INC.

Analytical Laboratory
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RECEIVED

SEP 28 1990

AM 7,8,9,10,11,12,13,14,15,16 PM

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 10, 1990

ChromaLab File No.: 0890270

SUBSURFACE CONSULTANTS, INC.

Attn: Jerry Alexander

RE: One water and nine soil samples for Gasoline/BTEX analysis

Project Name: TELEGRAPH AVENUE

Project Number: 609.002

Date Sampled: Aug. 29, 1990

Date Submitted: Aug. 31, 1990

Date Extracted: Sept. 4-9, 1990

Date Analyzed: Sept. 4-9, 1990

RESULTS:

Sample No.	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
W	69000	4500	2200	1600	3800
DETECTION LIMIT	50	0.5	0.5	0.5	0.50
METHOD OF ANALYSIS	5030/ 8015	602	602	602	602

Sample No.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
G3	120	820	560	2300	4000
G4	18	89	11	150	520
G5	270	2300	220	3400	410
G6	8.3	320	6.3	170	220
G7	6.3	270	34	N.D.	160
G8	N.D.	19	5.6	N.D.	N.D.
G9	N.D.	N.D.	N.D.	N.D.	N.D.
G10	260	1600	670	1300	460
G11	N.D.	N.D.	N.D.	N.D.	N.D.

BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	91.1%	89.3%	89.7%	90.0%	107.6%
DUP SPIKE REC.	96.4%	86.1%	92.5%	94.4%	93.5%
DETECTION LIMIT	2.5	5	5	5	5
METHOD OF ANALYSIS	5030 8015	8020	8020	8020	8020

ChromaLab, Inc.



David Duong
Senior Chemist



Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 11, 1990

ChromaLab File No.: 0890270

SUBSURFACE CONSULTANTS

Attn: Jerry Alexander

Re: One water and nine soil samples for total Lead analyses

Project Name: Telegraph Avenue

Project Number: 609.002

Date Sampled: Aug. 29, 1990

Date Submitted: Aug. 31, 1990

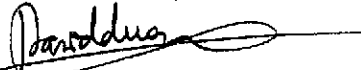
Date Extracted: Sept. 9, 1990

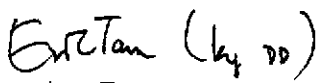
Date Analyzed: Sept. 10, 1990

RESULTS:

Sample No.	Lead (mg/Kg)
G3	9.07
G4	19.2
G5	5.43
G6	4.93
G7	8.45
G8	6.65
G9	5.54
G10	8.36
G11	6.01
W	2.34
BLANK	N.D.
SPIKE RECOVERY	94.2%
DUPLICATED SPIKE RECOVERY	98.9%
DETECTION LIMIT	0.05
METHOD OF ANALYSIS	7420

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

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Specializing in GC-GC/MS

Sept. 10, 1990

ChromaLab File # 0890271 A

Client: Subsurface Consultants
Date Sampled: Aug 31, 1990
Date of Analysis: Sept 10, 1990

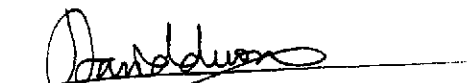
Attn: Jerry Alexander
Date Submitted: Aug 31, 1990

Project Name: Telegraph Avenue Job Number: 609.002
Sample I.D.: WO-1
Method of Analysis: EPA 8010 Detection Limit: 10 ug/Kg

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

COMPOUND NAME	ug/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	103.9%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	89.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	103.2%
TETRACHLOROETHENE	39	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	40	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	89.3%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Lab Director

CHROMALAB, INC.

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Sept. 10, 1990

• Environmental Analysis
• Hazardous Waste (#E694)
• Drinking Water (#955)
• Waste Water
• Consultation
ChromaLab File # 0890271 B

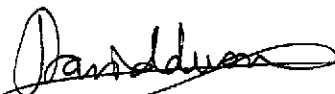
Client: Subsurface Consultants
Date Sampled: Aug 31, 1990
Date of Analysis: Sept 10, 1990

Attn: Jerry Alexander
Date Submitted: Aug 31, 1990

Project Name: Telegraph Avenue Job Number: 609.002
Sample I.D.: WO-2
Method of Analysis: EPA 8010 Detection Limit: 10 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	103.9%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	89.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	103.2%
TETRACHLOROETHENE	470	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	89.3%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.



David Duong
Senior Chemist



Eric Tam
Lab Director

CHROMALAB, INC.

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Specializing in GC-GC/MS

Sept. 10, 1990

ChromaLab File # 0890271 C

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

Client: Subsurface Consultants

Attn: Jerry Alexander

Date Sampled: Aug 31, 1990

Date Submitted: Aug 31, 1990

Date of Analysis: Sept 10, 1990

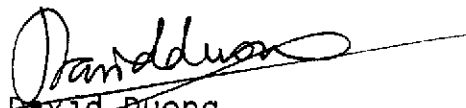
Project Name: Telegraph Avenue Job Number: 609.002

Sample I.D.: WP1-4 (COMPOSITE)

Method of Analysis: EPA 8010 Detection Limit: 10 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	103.9%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	89.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	103.2%
TETRACHLOROETHENE	66	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	89.3%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Lab Director

CHROMALAB, INC.

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Specializing in GC-GC/MS

Sept. 10, 1990

• Environmental Analysis
• Hazardous Waste (#E694)
• Drinking Water (#955)
• Waste Water
• Consultation
ChromaLab File # 0890271 A

Client: Subsurface Consultants
Date Sampled: Aug 31, 1990
Date Extracted: Sep 10, 1990

Attn: Jerry Alexander
Date Submitted: Aug 31, 1990
Date Analyzed: Sep 10, 1990

Project Name: Telegraph Avenue
Sample I.D.: WO-1
Method of Analysis: EPA 8270

Job Number: 609.002
Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
PHENOL	N.D.	0.5	105.9%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	-----
2-CHLOROPHENOL	N.D.	0.5	-----
1,3-DICHLOROBENZENE	N.D.	0.5	-----
1,4-DICHLOROBENZENE	N.D.	0.5	-----
BENZYL ALCOHOL	N.D.	1.0	-----
1,2-DICHLOROBENZENE	N.D.	0.5	-----
2-METHYLPHENOL	0.9	0.5	-----
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.5	-----
4-METHYLPHENOL	N.D.	0.5	109.6%
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	-----
HEXACHLOROETHANE	N.D.	0.5	-----
NITROBENZENE	N.D.	0.5	-----
ISOPHORONE	N.D.	0.5	-----
2-NITROPHENOL	N.D.	0.5	-----
2,4-DIMETHYLPHENOL	N.D.	0.5	-----
BENZOIC ACID	N.D.	2.5	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.5	-----
2,4-DICHLOROPHENOL	N.D.	0.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.5	-----
NAPHTHALENE	1.3	0.5	-----
4-CHLOROANILINE	N.D.	1.0	-----
HEXACHLOROBUTADIENE	N.D.	0.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	-----
2-METHYLNAPHTHALENE	2.4	0.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.5	92.1%
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----
2-CHLORONAPHTHALENE	N.D.	0.5	-----
2-NITROANILINE	N.D.	2.5	-----
DIMETHYL PHTHALATE	N.D.	0.5	-----
ACENAPHTHYLENE	N.D.	0.5	-----
3-NITROANILINE	N.D.	2.5	-----
ACENAPHTHENE	N.D.	0.5	-----
2,4-DINITROPHENOL	N.D.	2.5	-----
4-NITROPHENOL	N.D.	2.5	-----
DIBENZOFURAN	N.D.	0.5	-----

(continued on next page)

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- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

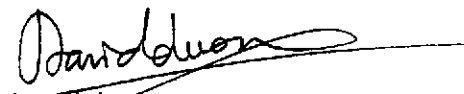
Page 2


ChromaLab File # 0890271 A

Project Name: Telegraph Avenue Job Number: 609.002
Sample I.D.: WO-1
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.5	-----
2,6-DINITROTOLUENE	N.D.	0.5	112.2%
DIETHYL PHTHALATE	N.D.	0.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----
FLUORENE	N.D.	0.5	-----
4-NITROANILINE	N.D.	2.5	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----
HEXACHLOROBENZENE	N.D.	0.5	-----
PENTACHLOROPHENOL	N.D.	2.5	-----
PHENANTHRENE	N.D.	0.5	108.7%
ANTHRACENE	N.D.	0.5	-----
DI-N-BUTYL PHTHALATE	0.5	0.5	-----
FLUORANTHENE	N.D.	0.5	-----
PYRENE	N.D.	0.5	-----
BUTYLBENZYLPHthalate	N.D.	0.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----
BENZO(A)ANTHRACENE	N.D.	0.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----
CHRYSENE	N.D.	0.5	113.1%
DI-N-OCTYLPHTHALATE	N.D.	0.5	-----
BENZO(B)FLUORANTHENE	N.D.	0.5	-----
BENZO(K)FLUORANTHENE	N.D.	0.5	-----
BENZO(A)PYRENE	N.D.	0.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----
BENZO(G,H,I)PERYLENE	N.D.	0.5	-----

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 10, 1990

ChromaLab File No.: 0890271

Page 1 of 2

SUBSURFACE CONSULTANTS, INC.

Attn: Jerry Alexander

RE: Seven soil samples for Gasoline/BTEX, TEPH, Oil & Grease,

Project Name: TELEGRAPH AVENUE

Project Number: 609.002

Date Sampled: Aug. 29, 1990

Date Submitted: Aug. 31, 1990

Date Extracted: Sept. 4-9, 1990

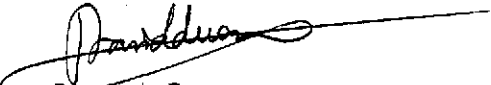
Date Analyzed: Sept. 4-9, 1990

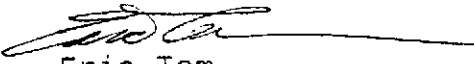
RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
WO-1	40	290	1800	880	800	1200
WO-2	740	640	12000	15000	10000	18000
WP-1,2,3,4*	130	1000	1100	1700	2100	3900
D1	N.D.	----	N.D.	N.D.	N.D.	N.D.
D2	1700	----	2300	9500	35000	77000
D3	200	----	850	1600	3800	18000
D4	N.D.	----	N.D.	N.D.	N.D.	9.1
BLANK SPIKE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
RECOVERY	96.4%	85.5%	86.1%	92.5%	94.4%	93.5%
DUP SPIKE RECOVERY	91.1%	95.6%	89.3%	89.7%	90.0%	107.6%
DETECTION LIMIT	2.5	5	5	5	5	5
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020

*Composited samples

ChromaLab, Inc.


DAVID Duong
Senior Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 10, 1990

ChromaLab File No.: 0890271

Page 2 of 2

SUBSURFACE CONSULTANTS, INC.

Attn: Jerry Alexander

RE: Seven soil samples for Gasoline/BTEX, TEPH, Oil & Grease,

Project Name: TELEGRAPH AVENUE

Project Number: 609.002

Date Sampled: Aug. 29, 1990

Date Submitted: Aug. 31, 1990

Date Extracted: Sept. 4-9, 1990


Date Analyzed: Sept. 4-9, 1990

RESULTS:

Sample No.	Oil & Grease (mg/Kg)	PCB's (mg/Kg)	Motor Oil (mg/Kg)
WO-1	1700	N.D.	3800
WO-2	3600	----	5100
WP-1,2,3,4*	3200	----	4800
D1	----	----	----
D2	----	----	----
D3	----	----	----
D4	----	----	----
BLANK SPIKE	N.D.	N.D.	N.D.
RECOVERY	----	97.9%	----
DUP SPIKE	----	----	----
RECOVERY	----	----	----
DETECTION LIMIT	10	0.05	10
METHOD OF ANALYSIS	8020	8020	3550/ 8015

*Composited samples

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 11, 1990

ChromaLab File No.: 0890271

SUBSURFACE CONSULTANTS, INC.

Attn: Jerry Alexander

Re: Seven soil samples for Cadmium, Chromium, Lead, Zinc,
Nickel, and Copper analyses

Project Name: Telegraph Avenue

Project Number: 609.002

Date Sampled: Aug. 31, 1990

Date Submitted: Aug. 31, 1990

Date Extracted: Sept. 6-10, 1990

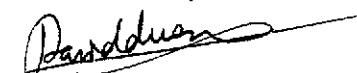
Date Analyzed: Sept. 6-10, 1990

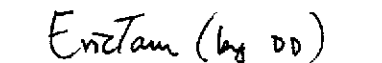
RESULTS:

Sample No.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Zinc (mg/Kg)	Nickel (mg/Kg)	Copper (mg/Kg)
WO-1	0.431	23.4	151	167	32.5	88.4
WO-2	0.522	25.6	112	140	30.2	32.5
WP-1, 2, 3, 4*	0.482	26.0	85.9	70.6	27.5	23.3
D1	----	----	201	----	----	----
D2	----	----	107	----	----	----
D3	----	----	91.7	----	----	----
D4	----	----	537	----	----	----
BLANK SPIKE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
RECOVERY DUPLICATED SPIKE	91.8%	89.1%	94.2%	97.6%	95.5%	94.2%
RECOVERY DETECTION LIMIT	95.3%	94.4%	98.9%	101.2%	99.1%	98.9%
LIMIT	0.005	0.05	0.05	0.005	0.04	0.02
METHOD OF ANALYSIS	7130	7190	7420	7950	7520	7210

* COMPOSITED SOIL SAMPLES

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

Sept. 10, 1990

ChromaLab File # 0890271 A

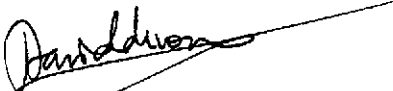
Client: Subsurface Consultants
Date Sampled: Aug 31, 1990
Date of Analysis: Sept 10, 1990

Attn: Jerry Alexander
Date Submitted: Aug 31, 1990

Project Name: Telegraph Avenue Job Number: 609.002
Sample I.D.: WO-1
Method of Analysis: EPA 8010 Detection Limit: 10 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	103.9%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	39	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	40	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	89.3%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

Sept. 10, 1990

• Environmental Analysis
• Hazardous Waste (#E694)
• Drinking Water (#955)
• Waste Water
• Consultation
ChromaLab File # 0890271 B


Client: Subsurface Consultants
Date Sampled: Aug 31, 1990
Date of Analysis: Sept 10, 1990

Attn: Jerry Alexander
Date Submitted: Aug 31, 1990

Project Name: Telegraph Avenue Job Number: 609.002
Sample I.D.: WO-2
Method of Analysis: EPA 8010 Detection Limit: 10 ug/Kg

COMPOUND NAME	ug/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	103.9%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	470	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	89.3%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Lab Director

CHROMALAB, INC.

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- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

Sept. 10, 1990

ChromaLab File # 0890271 C

Client: Subsurface Consultants

Attn: Jerry Alexander

Date Sampled: Aug 31, 1990

Date Submitted: Aug 31, 1990

Date of Analysis: Sept 10, 1990

Project Name: Telegraph Avenue Job Number: 609.002

Sample I.D.: WPl-4 (COMPOSITE)

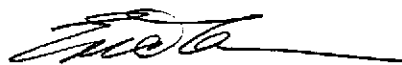
Method of Analysis: EPA 8010 Detection Limit: 10 ug/Kg

COMPOUND NAME	ug/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	103.9%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	66	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	89.3%
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.



David Duong
Senior Chemist



Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

Sept. 10, 1990

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

ChromaLab File # 0890271 A

Client: Subsurface Consultants
Date Sampled: Aug 31, 1990
Date Extracted: Sep 10, 1990

Attn: Jerry Alexander
Date Submitted: Aug 31, 1990
Date Analyzed: Sep 10, 1990

Project Name: Telegraph Avenue
Sample I.D.: WO-1
Method of Analysis: EPA 8270

Job Number: 609.002
Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
PHENOL	N.D.	0.5	105.9%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.5	-----
2-CHLOROPHENOL	N.D.	0.5	-----
1,3-DICHLOROBENZENE	N.D.	0.5	-----
1,4-DICHLOROBENZENE	N.D.	0.5	-----
BENZYL ALCOHOL	N.D.	1.0	-----
1,2-DICHLOROBENZENE	N.D.	0.5	-----
2-METHYLPHENOL	0.9	0.5	-----
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.5	-----
4-METHYLPHENOL	N.D.	0.5	109.6%
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.5	-----
HEXACHLOROETHANE	N.D.	0.5	-----
NITROBENZENE	N.D.	0.5	-----
ISOPHORONE	N.D.	0.5	-----
2-NITROPHENOL	N.D.	0.5	-----
2,4-DIMETHYLPHENOL	N.D.	0.5	-----
BENZOIC ACID	N.D.	2.5	-----
BIS(2-CHLOROETHOXY) METHANE	N.D.	0.5	-----
2,4-DICHLOROPHENOL	N.D.	0.5	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.5	-----
NAPHTHALENE	1.3	0.5	-----
4-CHLOROANILINE	N.D.	1.0	-----
HEXACHLOROBUTADIENE	N.D.	0.5	-----
4-CHLORO-3-METHYLPHENOL	N.D.	1.0	-----
2-METHYLNAPHTHALENE	2.4	0.5	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.5	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.5	92.1%
2,4,5-TRICHLOROPHENOL	N.D.	0.5	-----
2-CHLORONAPHTHALENE	N.D.	0.5	-----
2-NITROANILINE	N.D.	2.5	-----
DIMETHYL PHTHALATE	N.D.	0.5	-----
ACENAPHTHYLENE	N.D.	0.5	-----
3-NITROANILINE	N.D.	2.5	-----
ACENAPHTHENE	N.D.	0.5	-----
2,4-DINITROPHENOL	N.D.	2.5	-----
4-NITROPHENOL	N.D.	2.5	-----
DIBENZOFURAN	N.D.	0.5	-----

(continued on next page)

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- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation


Page 2

ChromaLab File # 0890271 A

Project Name: Telegraph Avenue Job Number: 609.002
Sample I.D.: WO-1
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/Kg	MDL mg/Kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.5	-----
2,6-DINITROTOLUENE	N.D.	0.5	112.2%
DIETHYL PHTHALATE	N.D.	0.5	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.5	-----
FLUORENE	N.D.	0.5	-----
4-NITROANILINE	N.D.	2.5	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	2.5	-----
N-NITROSODIPHENYLAMINE	N.D.	0.5	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.5	-----
HEXACHLOROBENZENE	N.D.	0.5	-----
PENTACHLOROPHENOL	N.D.	2.5	-----
PHENANTHRENE	N.D.	0.5	108.7%
ANTHRACENE	N.D.	0.5	-----
DI-N-BUTYL PHTHALATE	0.5	0.5	-----
FLUORANTHENE	N.D.	0.5	-----
PYRENE	N.D.	0.5	-----
BUTYLBENZYLPHTHALATE	N.D.	0.5	-----
3,3'-DICHLOROBENZIDINE	N.D.	1.0	-----
BENZO(A)ANTHRACENE	N.D.	0.5	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.5	-----
CHRYSENE	N.D.	0.5	113.1%
DI-N-OCTYLPHTHALATE	N.D.	0.5	-----
BENZO(B)FLUORANTHENE	N.D.	0.5	-----
BENZO(K)FLUORANTHENE	N.D.	0.5	-----
BENZO(A)PYRENE	N.D.	0.5	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.5	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.5	-----
BENZO(G,H,I)PERYLENE	N.D.	0.5	-----

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 10, 1990

ChromaLab File No.: 0890272

SUBSURFACE CONSULTANTS, INC.

Attn: Jerry Alexander

RE: Two composited soil samples for Gasoline/BTEX analysis

Project Name: TELEGRAPH AVENUE

Project Number: 609.002

Date Sampled: Aug. 29, 1990

Date Submitted: Aug. 31, 1990

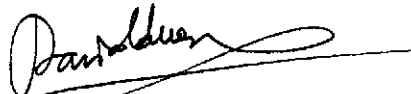
Date Extracted: Sept. 4-7, 1990


Date Analyzed: Sept. 4-7, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
S-1,2,3,4	66	170	190	650	2000
S-5,6,7	82	19	28	23	99
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	91.1%	89.3%	89.7%	90.0%	107.6%
DUP SPIKE REC.	96.4%	86.1%	92.5%	94.4%	93.5%
DETECTION LIMIT	2.5	5	5	5	5
METHOD OF ANALYSIS	5030 8015	8020	8020	8020	8020

ChromaLab, Inc.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 11, 1990

ChromaLab File No.: 0890272

SUBSURFACE CONSULTANTS, INC.

Attn: Jerry Alexander

Re: Two composited soil samples for total Lead analysis

Project Name: Telegraph Avenue

Project Number: 609.002

Date Sampled: Aug. 31, 1990

Date Submitted: Aug. 31, 1990

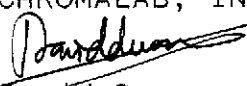
Date Extracted: Sept. 6-10, 1990

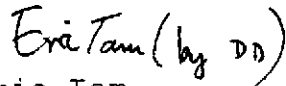
Date Analyzed: Sept. 6-10, 1990

RESULTS:

<u>Sample No.</u>	<u>Lead (mg/Kg)</u>
S-1,2,3,4	14.8
S-5,6,7	69.8
BLANK	N.D.
SPIKE RECOVERY	94.2%
DUPLICATED SPIKE RECOVERY	98.9%
DETECTION LIMIT	0.05
METHOD OF ANALYSIS	7420

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: Telegraph Avenue

SCI Job Number: 609.002

CHROMALAB FILE # 990043

Project Contact at SCI: J. Alexander

Sampled By: J. Alexander

Analytical Laboratory: Chromalab

Analytical Turnaround: 5 Day Normal

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
S-1,2,3,4	S	T	8/29		Organic lead	CAM WET Pb
S-5,6,7	S	T	8/29		Organic lead	CAM WET Pb
WP-1,2,3,4	S	T	8/29			CAM WET Pb
PI	S	T	8/29		Gas + BTXE Total lead	
S- 1,2,3,4 8,9,10,11 Composite	S	T	9/11		Gas + BTXE Total lead Organic lead CAM WET Pb	

* * * * *

Released by: David L. Perin Date: 9/11/90

Released by Courier: _____ Date: _____

Received by Laboratory: [Signature] 4.15 PM Date: 9/10/90

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

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

September 18, 1990

ChromaLab File No.: 0990043

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Five soil samples for Gasoline/BTEX, Total Lead and CAM WET
Lead analyses

Project Name: TELEGRAPH AVENUE

Project Number: 609.002

Date Sampled: 8/29-9/11/90

Date Submitted: 9/11/90

Date Extracted: 9/12-18/90

Date Analyzed: 9/12-18/90

RESULTS:

Sample NO.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Lead (mg/Kg)	CAM WET Lead (mg/L)
S-1,2,3,4*	----	----	----	----	----	----	2.48
S-5,6,7*	----	----	----	----	----	----	3.07
WP-1,2,3,4*	----	----	----	----	----	----	3.22
P1	11000	88000	150000	160000	270000	5.82	----
S-8,9,10,11*	38	N.D.	N.D.	N.D.	N.D.	15.8	3.73
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED							
RECOVERY	91.1%	89.3%	89.7%	90.0%	107.6%	96.8%	101.5%
DUP SPIKED							
RECOVERY	96.4%	86.1%	92.5%	94.4%	93.5%	99.1%	94.6%
DETECTION							
LIMIT	2.5	5	5	5	5	0.05	0.10
METHOD OF	5030/					3050/	3010/
ANALYSIS	8015	8020	8020	8020	8020	7420	7420**

*Composited soil samples

*Extracted per Title 22 WET procedure.

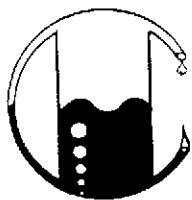
ChromaLab, Inc.



David Duong
Senior Chemist



Eric Tam
Laboratory Director



MOBILE CHEM LABS INC.

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

Chromalab, Inc.
2239 Omega Road, #1
San Ramon, California 94583
Attn: Eric Tam

Date Sampled: 09-12-90
Date Received: 09-13-90
Date Reported: 09-17-90

ORGANIC LEAD ANALYSIS

Sample Number	Sample Description	Detection Limit	SOIL RESULTS
		ppm	ppm
	Project # 0990043		
J090129	S-(1-4)	0.5	<0.5
J090130	S-(5-7)	0.5	<0.5
J090131	S-(8-11)	0.5	<0.5

QA/QC: Blank is none detected
Spike Recovery is 98%
Duplicate Spike Deviation is 1.0%

Note: Analysis - California LUFT Manual, 12/87

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 8, 1990

ChromaLab File No.: 1090040

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Two rush soil samples for Gasoline/BTEX and TEPH analyses

Project Location: 2250 TELEGRAPH AVENUE

Project Name: 609.002

Date Sampled: Oct. 4-5, 1990

Date Submitted: Oct. 6, 1990

Date Extracted: Oct. 6-8, 1990

Date Analyzed: Oct. 6-8, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Motor Oil (mg/Kg)
D3, 4.5'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
G12, 10'	52	N.D.	110	45	480	140	N.D.
BLANK SPIKED RECOVERY	91.7%	97.8%	98.6%	99.1%	103.5%	105.6%	----
DUP SPIKED RECOVERY	91.1%	106.2%	89.3%	89.7%	90.0%	107.6%	----
DETECTION LIMIT	2.5	5	5	5	5	5	50
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	3550/ 8015

CHROMALAB, INC.



David Duong
Senior Chemist



Eric Tam
Laboratory Director


Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: Telegraph Ave CHROMALAB FILE # 1090053
 SCI Job Number: 609.002
 Project Contact at SCI: Terrian Alexander
 Sampled By: Charles Pearson
 Analytical Laboratory: Chromalab
 Analytical Turnaround: 48 hr

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
G-14 @ 7½'	S	T	10-8-90		TVH TEH, BTXE	
G-13 @ 10'	S	T	↓		"	
G-15 @ 9½'	S	T			"	
G-16 @ 11'	S	T			"	
D-2 @ 4½'	S	T			"	

* * * * *

Released by:  Date: 10/8/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: T. Janna Date: 10-8-90
 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

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 10, 1990

ChromaLab File No.: 1090053

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Five rush soil samples for Gasoline/BTEX and TEPH analyses

Project Name: TELEGRAPH AVE.

Project Number: 609.002

Date Sampled: Oct. 8, 1990

Date Submitted: Oct. 8, 1990


Date Extracted: Oct. 9-10, 1990

Date Analyzed: Oct. 9-10, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Motor Oil (mg/Kg)
G-13, 10'	12	N.D.	220	43	60	130	N.D.
G-14, 7-1/2'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
G-15, 9-1/2'	310	N.D.	820	59	1300	1600	N.D.
G-16, 11'	19	N.D.	200	41	210	46	N.D.
D-2, 4-1/2'	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKED RECOVERY	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
DUP SPIKED RECOVERY	91.7%	97.8%	98.6%	99.1%	103.5%	105.6%	----
DETECTION LIMIT	2.5	5	5	5	5	5	50
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	3550/ 8015

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

Subsurface Consultants

CHAIN OF CUSTODY RECORD
& ANALYTICAL TEST REQUEST

Project Name: Telegraph Avenue CHROMALAB FILE # 1090109
 SCI Job Number: 609.002
 Project Contact at SCI: Jeri Alexander
 Sampled By: C. Pearson
 Analytical Laboratory: Chromalab
 Analytical Turnaround: 48hr

Sample ID	Sample Type ¹	Container Type ²	Sampling Date	Hold	Analysis	Analytical Method
<u>G10217'</u>	<u>T</u>	<u>S</u>	<u>10/10/90</u>		<u>TEH TVH</u>	<u>BTXE</u>
<u>G1726'</u>	<u>T</u>	<u>S</u>	<u>10/10/90</u>		<u>TEH TVH</u>	<u>BTXE</u>

* * * * *

Released by: Jeri L. Binger Date: 10/16/90
 Released by Courier: _____ Date: _____
 Received by Laboratory: [Signature] Date: 10/16/90^{11a}
 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) 268-0451

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 18, 1990

ChromaLab File No.: 1090109

SUBSURFACE CONSULTANTS, INC.

Attn: Jerri Alexander

RE: Two rush soil samples for Gasoline/BTEX and TEPH analyses

Project Name: TELEGRAPH AVENUE

Project Number: 609.002

Date Sampled: Oct. 10, 1990

Date Submitted: Oct. 16, 1990

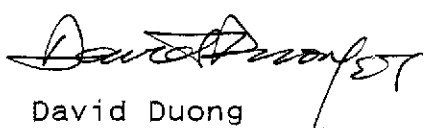
Date Extracted: Oct. 17-18, 1990

Date Analyzed: Oct. 17-18, 1990

RESULTS:

Sample NO.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Motor Oil (µg/Kg)
G10, 17'	N.D.	N.D.	73	N.D.	N.D.	N.D.	N.D.
G17, 6'	24	N.D.	38	20	12	18	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED							
RECOVERY	96.7%	99.1%	89.3%	89.7%	90.0%	107.6%	----
DETECTION							
LIMIT	2.5	5	5	5	5	5	50
METHOD OF ANALYSIS	5330/ 8015	3550/ 8015	8020	8020	8020	8020	8020

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

Subsurface Consultants

C
& CHROMALAB FILE # 1090127

Project Name: Telegraph Ave
SCI Job Number: 609.002
Project Contact at SCI: Terrann Alexander
Sampled By: Charles Pearson
Analytical Laboratory: Chromalab
Analytical Turnaround: Normal (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>GP-18</u>	<u>S</u>	<u>T</u>	<u>10-17-90</u>		<u>TVH, TEH, BTXE</u>	
<u>GP-19</u>	<u>S</u>	<u>T</u>	<u>"</u>		<u>"</u>	
<u>GP-20</u>	<u>S</u>	<u>T</u>	<u>"</u>		<u>"</u>	
<u>GP-21</u>	<u>S</u>	<u>T</u>	<u>"</u>		<u>"</u>	
<u>GP-22</u>	<u>S</u>	<u>T</u>	<u>"</u>		<u>"</u>	

* * * * *

Released by: Terrann Alexander Date: 10-18-90
Released by Courier: _____ Date: _____
Received by Laboratory: Terrann Alexander Date: 10-18-90 11:20
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

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 25, 1990

ChromaLab File No.: 1090127

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Five soil samples for Gasoline/BTEX and TEPH analyses

Project Name: TELEGRAPH AVE.

Project Number: 609.002

Date Sampled: Oct. 17, 1990

Date Submitted: Oct. 18, 1990

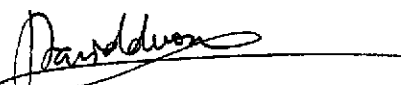
Date Extracted: Oct. 22-25, 1990


Date Analyzed: Oct. 22-25, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Motor Oil (mg/Kg)
GP-18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-19	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-22	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	87
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	91.7%	94.5%	98.6%	99.1%	103.5%	105.6%	----
DUP SPIKED RECOVERY	91.7%	104.6%	89.3%	89.7%	90.0%	107.6%	----
DETECTION LIMIT	2.5	5	5	5	5	5	50
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	3550/ 8015

CHROMALAB, INC.


David Duong
Senior Chemist


Eric Tam
Laboratory Director

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

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC000030462572116518	Manifest Document No. 2116518	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Supply Co. Commercial Industrial 2250 Telegraph Ave				A. State Manifest Document Number 89891814		
4. Generator's Phone 415 832-3456 Oakland Ca. 94612				B. State Generator's ID		
5. Transporter 1 Company Name JACK PARKER Trucking		6. US EPA ID Number KCAL0000027709		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 415 237-220		
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801				E. State Transporter's ID		
10. US EPA ID Number ICAD009464392				F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.				12. Containers No. Type 001 T 10000	13. Total Quantity	14. Unit Wt/Vol P
				I. Waste No. State 512 NONE		
				State CA		
				EPA/Other		
				State		
				EPA/Other		
				State		
				EPA/Other		
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above a. 01		
				b.		
				c.		
				d.		
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s						
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 John A. ...		Signature <i>[Signature]</i>		Month Day Year 12 12 1990		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Steven Parker		Signature <i>[Signature]</i>		Month Day Year 08 18 90		
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 Donald H. Brown		Signature <i>[Signature]</i>		Month Day Year 08 28 90		

Do Not Write Below This Line

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

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

700

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAC000304625TRP58		Manifest Document # 88991813		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address SUPPLY CO, COMMERCIAL INDUSTRIAL, 2250 TELEGRAPH AVE, 415 832 3456 OAKLAND, CA 94612				A. State Manifest Document Number 88991813		B. State Generator's ID									
4. Generator's Phone				6. US EPA ID Number		C. State Transporter's ID		106496							
5. Transporter 1 Company Name JACK PARKER TRUCKING				8. US EPA ID Number		D. Transporter's Phone		415-237-2242							
7. Transporter 2 Company Name				10. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone							
9. Designated Facility Name and Site Address Erickson, Inc., 255 Parr Blvd., Richmond, Ca. 94801				G. State Facility's ID CAD009466392		H. Facility's Phone (415)235-1393									
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. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.						002 TP/0000		P		State 512		EPA/Other NONE			
b. Waste Empty Storage Tank NON-RCRA Hazardous waste solid						001 TP00250		P		State 512		EPA/Other NONE			
c.										State		EPA/Other			
d.										State		EPA/Other			
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above		a. 01		b. 01		c. d.			
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s															
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 JORDAN ALEXANDER				Signature <i>Jordan Alexander</i>				Month Day Year 08 28 90							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name STEVE DITO				Signature <i>Steve Dito</i>				Month Day Year 08 28 90			
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication space id should read 001															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.															
Printed/Typed Name Donald H. Ross				Signature <i>Donald H. Ross</i>				Month Day Year 08 28 90							

89891813
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-852-7330

GENERATOR

TRANSPORTER

FACILITY

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

89802446
 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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 0409040304525	Manifest Document No. 71337	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Commercial & Industrial Supply 2250 Telegraph Ave Oakland, Ca. 4. Generator's Phone 415 871 0303				A. State Manifest Document Number 89802446	
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID 102070	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address Refineries Service 4332 N. HWY. 33 FARMINGTON, N.J. 08833		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	15. Waste No.
a. Hazardous Waste Class 2.3 (DANGEROUS)		10 77	1000 G		State 241 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above Oil Paint Grease				K. Handling Codes for Wastes Listed Above a. b. c. d.	
15. Special Handling Instructions and Additional Information Wear Gloves Goggles & And Protective Clothing IN CASE OF EMERGENCY CALL (209) 692-6742 OR (209) 1-800-674-4444					
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 10/1/90	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name JEROME R VOSS		Signature		Month Day Year 10/3/90	
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 Sandy Wade		Signature		Month Day Year 10/1/90	

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

No 147223

Date 11-20-90

Name Bay Area Tank Account # 6890

Address AUKR 021

- Dump Fees -

20 cubic yards @ 30.00 per yard = \$ 600.00

Other _____

Total \$ 600.00

Authorized Signature *Blakely*

Trucking Company Blakely Trucking

- Charge -

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE 1 1/2% SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

63,660
30,000

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

No 147219

Date 11-20-90

Name Bay Area Tank Account # 6890

Address AUKR 021

- Dump Fees -

20 cubic yards @ 30.00 per yard = \$ 600.00

Other _____

Total \$ 600.00

Authorized Signature *Jakie Marquist*

Trucking Company *Bassett*

- Charge -

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE 1 1/2% SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

60,040
30,000

40 yd

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

No 147220

Date 11-20-90

66260
30,000

Name Bay Area Tank Account # 688

Address AUTH 021

— Dump Fees —
20 cubic yards @ 30.00 per yard = \$ 600.00

Other _____

Total \$ 600.00

Authorized Signature *[Signature]*

Trucking Company _____

— Charge —

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. 1 1/2% SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

No 147218

Date 11-20-90

65020
30,000

Name Bay Area Tank Account # 688

Address AUTH 021

— Dump Fees —
20 cubic yards @ 30.00 per yard = \$ 600.00

Other _____

Total \$ 600.00

Authorized Signature *[Signature]*

Trucking Company _____

— Charge —

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. 1 1/2% SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

40 505

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

Nº 144796

Date 11-20-90

69,580
30,000

Name Bay Area Tank Account # 688

Address Auty Ct

- Dump Fees -

70 cubic yards @ 30.00 per yard = \$ 2100.00

Other _____

Total \$ 600.00

Authorized Signature [Signature]

Trucking Company _____

- Charge -

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. 1%
SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL
COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

Nº 144791

Date 11-20-90

66,420

Name Bay Area Tank Account # 688

Address Auty Ct

- Dump Fees -

70 cubic yards @ 30.00 per yard = \$ 2100.00

Other _____

Total \$ 600.00

Authorized Signature [Signature]

Trucking Company [Signature]

- Charge -

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. 1%
SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL
COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

40yd³

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

No 144792

Date 11-20-90

65760

Name Bay AREA Tank Account # 688

Address AUK 021

20 cubic yards @ ~~20.00~~ ^{30.00} per yard = \$ ~~170.00~~ ^{600.00}

Other _____ Total \$ ~~170.00~~ ^{600.00}

Authorized Signature _____
Trucking Company Blakely's Trucking B-30
- Charge -

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. 1 1/2% SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

ZANKER RD. DISPOSAL AND RECYCLING

705 LOS ESTEROS RD.
SAN JOSE, CALIF. 95134
(408) 263-2383

No 144794

Date 11-20-90

63560

Name Bay AREA Tank Account # 688

Address AUK 021

20 cubic yards @ ~~20.00~~ ^{30.00} per yard = \$ ~~170.00~~ ^{600.00}

Other _____ Total \$ ~~170.00~~ ^{600.00}

Authorized Signature Robert D. Blakely
Trucking Company BLAKELY'S TRUCKING
- Charge -

TERMS: ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH FOLLOWING DATE OF PURCHASE. 1 1/2% SERVICE CHARGE PER MONTH OR 18% PER ANNUM. WILL BE CHARGED ON ACCOUNTS PAST DUE PLUS ALL COSTS AND ATTORNEY'S FEES INCURRED IN COLLECTION.

4x40yd³
= 160yd³

VASCO ROAD SANITARY LANDFILL No: 247334

UNION OF  BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(415) 447-0491

Ticket : A24640 05/31/91 09:37 am
 Customer: BUTTNER PROPERTIES LMS #111
 Account : 1007111
 Truck : 1
 Manifest: 651668
 P.O. No : E B I
 Checker : MARK

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

Volume	Contents	Rate	Charge
18.00	YD SPECIAL	19.00	342.00
TOTAL			\$ 342.00

All children must remain in vehicles. Absolutely no salvaging allowed.

Niños deben de permanecer en los carros a todas horas.

No se permite llevar cosas del dompo absolutamente.

HAVE A NICE DAY!!!


75,240
32160

[Signature]
DRIVERS

CUSTOMER

VASCO ROAD SANITARY LANDFILL

No: 247335

SON OF  BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(415) 447-0491

Ticket : A24641 05/31/91 09:39 am
Customer: BUTTNER PROPERTIES LMS #111
Account : 1007111
Truck : 1
Manifest: 651665
P.O. No : E B I
Checker : MARK

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

Volume	Contents	Rate	Charge
18.00 YD	SPECIAL	19.00	342.00
TOTAL			\$ 342.00

All children must remain in vehicles. Absolutely no salvaging allowed.

Niños deben de permanecer en los autos a todas horas.

No se permite llevar cosas del campo absolutamente.

HAVE A NICE DAY!!!

79,060
32,100

DRIVER

CUSTOMER

VASCO ROAD SANITARY LANDFILL

No: 247342

DESIGN OF BFI BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(415) 447-0491

Ticket : A24448 05/31/91 09:48 am
Customer: BUTTNER PROPERTIES
Account : 1007111 LMS #111
Truck : 1
Manifest: 651667
P.O. No : KULLBERG
Checker : MARK

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

Volume	Contents	Rate	Charge
18.00	YD SPECIAL	19.00	342.00
TOTAL		\$	342.00

All children must remain in vehicles. Absolutely no salvaging allowed.

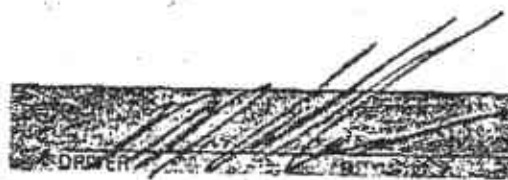
Niños deben permanecer en los carros a todas horas.

No se permita llevar cosas del dumper absolutamente.

HAVE A NICE DAY!!!

64980
31000

computer




CUSTOMER

6.
54
58 yd 3

VASCO ROAD SANITARY LANDFILL

No: 247429

DIVISION OF  BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(415) 447-0491

Ticket : A24736 05/31/91 11:58 am
Customer: BUTTNER PROPERTIES
Account : 1007111 LMS #111
Truck : 1
Manifest: 651663
P.O. No : EBI
Checker : JOE

Volume	Contents	Rate	Charge
18.00 YD	SPECIAL	19.00	342.00
TOTAL			\$ 342.00

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

All children must remain in vehicles. Absolutely no salvaging allowed.

Niños deben de permanecer en los carros a todas horas.

No se permite llevar cosas del dump absolutamente.

HAVE A NICE DAY!!!

71200
32160




CUSTOMER

72 yd³

VASCO ROAD SANITARY LANDFILL

No: 247432

VISION OF  BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(415) 447-0491

Ticket : A24739 05/31/91 12:01 pm
Customer: BUTTNER PROPERTIES
Account : 1007111 LMS #111
Truck : 1
Manifest: 65 1666
P.O. No : EBI
Checker : JOE

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

Volume	Contents	Rate	Charge
18.00	YD SPECIAL	19.00	342.00
TOTAL		\$	342.00

All children must remain in vehicles. Absolutely no salvaging allowed.

Niños deben de permanecer en los carros a todas horas.

No se permite llevar cosas del campo absolutamente.

HAVE A NICE DAY!!!

173900
32100




DRIVER

CUSTOMER

90463

VASCO ROAD SANITARY LANDFILL

No: 247444

DIVISION OF  BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(415) 447-0491

Ticket : A24750 05/31/91 12:17 pm
Customer: BUTTNER PROPERTIES
Account : 1007111 LMS #111
Truck : 1
Manifest: 651664
P.O. No : KULLBERG
Checker : JOE

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

Volume	Contents	Rate	Charge
18.00	YD SPECIAL	19.00	342.00
TOTAL			\$ 342.00

All children must remain in vehicles. Absolutely no salvaging allowed.

Niños deben permanecer en los carros a todas horas.

No se permite llevar cosas del campo absolutamente.

HAVE A NICE DAY!!!

417960
31000

DRIVER _____
CUSTOMER _____

108
160
268 yds
total removed
\$ 108 yds