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

LETTER OF TRANSMITTAL

TO:

Ms. Marianne Robison
Buttner Properties
600 West Grand Avenue
Oakland, California 94612

DATE: May 6, 1994
PROJECT 2250 Telegraph Avenue, Oakland
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) Ms. Jennifer Eberle, Alameda County Health Care Services Agency, 80 Swan Way, Room #350, Oakland, CA 94621

BY: Jeriann Alexander
Jeriann Alexander

■ Subsurface Consultants, Inc.

171 12th Street • Suite 201 • Oakland, California 94607 • Telephone 510-268-0461 • FAX 510-268-0137

FORMER WASTE OIL TANK AREA REMEDIATION
AND GROUNDWATER INVESTIGATION
2250 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
SCI 609.002

5-5-94 1040

ALCO HAZMAT
94 MAY -9 PM 1:58

Prepared for:

Ms. Marianne Robison
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600 West Grand Avenue
Oakland, California

By:

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May 5, 1994

I INTRODUCTION

This report presents the results of environmental engineering services performed by Subsurface Consultants, Inc., (SCI) at 2250 Telegraph Avenue in Oakland, California. SCI previously observed the removal of two 10,000-gallon underground gasoline storage tanks and one 280-gallon waste oil tank. Previous tank locations are shown on the site plan Plate 1. Approximately 500 cubic yards of gasoline impacted soils were remediated on-site in 1990 and 1991. The remediated soils were disposed of at Class III landfills and the gasoline tank excavations were backfilled with imported soil and surfaced with asphalt. Tank removal and gasoline impacted soil remediation activities are documented in our report dated July 1, 1991.

As described in our proposal dated January 14, 1994, our current site activities were to involve implementing the Future Services Work Plan dated July 1, 1991. In general, the Work Plan included (1) removing significantly contaminated soil in the area of the previous waste oil tank to practical limits, and (2) performing a groundwater investigation to evaluate impacts to groundwater.

II WASTE OIL TANK AREA REMEDIATION

A. Landfill Acceptance

Analytical test results following waste oil tank removal indicated that the soils contained significant concentrations of gasoline and diesel range petroleum hydrocarbons, oil and grease, BTEX, polynuclear aromatic hydrocarbons, tetrachlorethane and several heavy metals. Acknowledging that remedial efforts were to be required in the area, the impacted soil was replaced in the excavation and the excavation was covered with a 1/4" thick steel plate, secured in place with asphalt patch.

Originally it was proposed to bioremediate the waste oil impacted soil on site. However, upon reviewing competitive bids for treatment and disposal, it was decided to select BFI's Keller Canyon landfill for direct disposal. Prior to over-excavation activities, soil within the former tank area was characterized to allow for direct loading into trucks. Characterization involved performing tests as requested by BFI on a composited soil sample. The composite sample was comprised of 4 samples obtained from a stockpile of soil cuttings generated by drilling 5 test borings in the former tank area. The characterization tests, which were performed by Chromalab, Inc, included the following:

~~See Note 7~~ SBs? where?

1. Soluble BTEX following a TCLP extraction,

2. Soluble volatile halogenated organics following a TCLP extraction,

3. Soluble Heavy Metals following a W.E.T. extraction,

4. Reactivity, Corrosivity, Ignitability,

5. Volatile organic Compounds, EPA 8240, and

6. Semi volatile organic compounds, EPA 8270.

Analytical Test reports and Chain of Custody documents are presented in Appendix B.

B. Excavation Activities

Once BFI approved the soil for direct disposal, Alhambra Environmental of Richmond, California over-excavated the area of the previous waste oil tank. Over-excavation was performed on February 9 and 10, 1994. The original excavation had plan dimensions of 8 feet by 6 feet and was about 6 feet deep. Soil in the former tank area extending from the groundsurface to the depth of groundwater was placed directly into trucks for direct disposal. In general, the excavation was extended laterally until the visual contamination in the sidewalls was limited to the zone of groundwater fluctuations, or a surface improvement was reached. The extended excavation measured 10 feet by 15 feet by 12 feet deep. Excavation limits are shown on Plates 1 and 2.

Excavation activities revealed that significantly contaminated soil was present in the upper 8 feet within about 5 feet of the former tank location. Visual and olfactory evidence of contamination appeared to decrease significantly beyond a distance

of 5 feet. A band of soil possessing a green hue and strong hydrocarbon odor was observed from 9 to 11 feet below grade. This layer represents a zone of past groundwater fluctuation and is consistent with other investigation performed at the site. Groundwater was observed seeping into the excavation at a depth of approximately 12 feet below grade.

Excavated soil was loaded directly into trucks and transported to the BFI Keller Canyon facility in Pittsburgh, California. Approximately 70 in-place cubic yards of soil were transported. Shipping manifests and landfill disposal receipts are presented in Appendix A.

86 yd³ on tickets (fluffed soil)

C. **Excavation Sampling and Analytical Testing**

Upon completion of excavation, soil samples were obtained from the excavation sidewalls and bottom. Sidewall samples were obtained at two levels; one near the depth of the former tank bottom, and one approximately one foot above the excavation bottom. One soil sample was obtained from the center of the excavation floor. Although groundwater was observed seeping into the excavation, not enough accumulated to obtain a sample. Sample locations are shown on Plate 2.

Analytical testing of the excavation samples was performed by Chromalab, Inc. As discussed with Ms. Jennifer Eberle of the Alameda County Health Care Services Agency (ACHCSA), full analytical scans were performed on samples WO5, WO6, WO7 and WO11. The full scans included the following tests:

1. Total volatile hydrocarbons (TVH) - EPA 5030/8015,
2. Benzene, Toluene, Ethylbenzene and Xylene (BTEX) - EPA 5030/8020,
3. Hydrocarbon Oil and Grease (O & G) - SMWW - 5520E's F
4. Total extractable hydrocarbons (TEH) - EPA 5030/8010,
5. Total Lead - EPA 3050/6010
6. Volatile halogenated organics - EPA 5030/8010, and
7. Semi-volatile organics - EPA 8270.

The remaining samples were analyzed for TVH, BTEX, O&G, TEH, and lead. Analytical test results are summarized on Tables 1 and 3. Test reports and Chain-of-Custody documents are presented in Appendix B.

D. Backfilling

Following collection of soil samples, the excavation was backfilled with Class II import material from RMC Lonestar in Oakland, California. Backfill material was placed in thin layers not exceeding 8 inches in loose thickness. The lifts were compacted using a Rammax walk-behind compactor. Our field engineer observed backfill placement and periodically checked fill compaction with a nuclear test gauge. Field density test data will be retained in our files for future reference. The area was resurfaced with asphalt concrete.

III GROUNDWATER INVESTIGATION

A. Monitoring Well Installation

Impacts to groundwater from previous tank activities were investigated by installing four groundwater monitoring wells on February 23 and 24, 1994. The wells were installed in general accordance with the work plan dated July 1, 1991. The test boring locations were selected in consultation with the ACHCSA and are shown on the Site Plan, Plate 1. ok locations

Prior to drilling the test borings, SCI obtained a drilling permit from the Alameda County Flood Control & Water Conservation District (Zone 7). A copy of the permit is presented in Appendix C. Underground utility locators were retained to check the boring locations for underground utilities prior to drilling. ✓

The test borings were drilled using a truck-mounted drill rig, equipped with 8-inch-diameter hollow-stem augers. Our field engineer observed drilling operations, prepared a detailed log of the test borings and obtained undisturbed samples of the materials encountered. The test boring logs are presented on Plates 4 through 7. ✓ Soils are classified in accordance with the Unified Soil Classification System described on Plate 7.

A California Drive Sampler having an outside diameter of 2.5 inches and an inside diameter of 2.0 inches, was used to obtain soil samples. The number of blows required to drive the sampler the final 12 inches of each 18-inch penetration were recorded and are presented on the test boring logs. Drilling and sampling

equipment was thoroughly cleaned prior to each use to reduce the likelihood of cross-contamination between samples.

Soil samples were retained in 2.0-inch-diameter brass liners. Samples obtained for analytical testing had Teflon sheeting placed over the ends of the liners prior to capping and sealing with tape. The samples were placed in an ice-filled cooler and remained on ice until delivery to the analytical laboratory. Sample handling was recorded using Chain-of-Custody documents, which are presented in Appendix B.

Recovered shoe samples from each sample interval were retained in resealable plastic bags and screened for volatile organics using an organic vapor meter (OVM). OVM measurements are recorded on the boring logs.

At the completion of drilling, monitoring wells were installed in each of the test borings. The well schematics are shown on the respective test boring logs. In general, the wells consist of 2-inch Schedule 40 PVC pipe having flush-threaded joints. Pipe was cleaned with Alconox and rinsed with de-ionized water prior to being placed in the boreholes.

The lower 10 feet of each well consists of machine-slotted well screen having 0.02-inch slots. The remaining portion of the wells consist of blank pipe. The wells are provided with a bottom cap and a locking top cap. The well screen is encased in a filter composed of Lonestar No 3. washed sand. The filter sand was placed by carefully pouring it through the annulus between the auger and the well casing. The filter extends from just below the bottom of

the well to about one foot above the top of the screened section. A one-foot thick bentonite pellet seal was placed above the sand filter. The bentonite pellets were hydrated using de-ionized water. The annulus above the seal was backfilled with cement grout. The grout mixture consists of portland cement mixed with clean water. The monitoring wells were completed below grade and are protected by traffic-rated valve boxes. A level survey was conducted to measure the top of the well casing elevations relative to mean sea level using United States Coast and Geodetic Survey benchmark W1197 1969. The benchmark has a reported elevation of +21.06 feet MSL.

B. **Well Development and Sampling**

The wells were developed approximately 48 hours after the grout seal was placed. Initially, the depth to water was measured below the top of the well casing using an electronic sounder. The wells were then developed by removing water with a disposable bailer until temperature, conductivity and pH had stabilized and the removed water appeared relatively clear. Five to twelve gallons of water were removed from each well. Well development water was placed in a 55-gallon steel drum which is stored on-site.

Groundwater samples were obtained using a disposable sampling device. Samples were retained in chilled, pre-cleaned containers supplied by the laboratory. Water samples were placed in an ice-filled cooler and remained iced until delivery to the analytical laboratory. Well development/sampling forms are presented in Appendix C.

One soil sample and the water samples from each well were transmitted to Chromalab, Inc. for laboratory testing. The soil samples were selected from the soil/water table interface to further characterize the extent of soil contamination. The samples were analyzed for TVH, BTEX, TEH, O&G, and volatile halogenated organics - EPA 8010.

The water samples were additionally analyzed for total dissolved lead. Analytical test results for soil and groundwater samples from the borings/wells are presented in Tables 1 through 3. Test reports and Chain of Custody documents are presented in Appendix B.

C. **Subsurface Conditions**

Based on the conditions exposed during excavation and in the test borings, it appears that the site is underlain by interbedded alluvial deposits consisting of silty and sandy clays. Silty and clayey sand layers were encountered in test borings MW2 and MW3 between depths of 10 and 17 feet. Clayey sand extends from about 17 feet to 20 feet deep in boring MW-4.

Groundwater is situated about 9 to 10 feet below the ground surface. The groundwater gradient is relatively flat at 1.6% and flow is toward the east-southeast. The groundwater flow direction and gradient are presented on Plate 1. Groundwater elevation data is presented in Table 4.

A variety of flow directions have been observed in the nearby vicinity. However, the observed flow direction at the site appears to follow a general trend toward Lake Merritt as would be expected.

IV CONCLUSIONS

A. General

Significantly contaminated soils at the site have been remediated to the practical extent given the existing on-site improvements. Approximately 500 cubic yards of gasoline impacted soil were aerated on-site and transported to local Class III landfills. About 70 cubic yards of waste oil impacted soil were disposed of directly at a Class II landfill. However, a band of contaminated soil still remains at a depth of about 9 to 11 feet below the groundsurface. In addition, groundwater has been impacted by past releases at the site.

B. Waste Oil Tank Area

Significantly contaminated soil observed within 8 feet of the groundsurface has been removed from the former tank area. Contaminated soil still remains in-place beneath the service station building and within the zone of groundwater fluctuation.

Groundwater in the waste oil tank area has been impacted by waste oil tank releases. The extent of contamination has not been determined.

C. Gasoline Tank Area

Following previous remediation work, contaminated soil was left in-place at the limits of the excavation, in a thin band situated between depths of 9 to 11 feet. Soil samples analyzed during well installation indicate the band of contamination extends

beyond the previous excavation limits, and probably extends off-site.

Groundwater at the site has been impacted by previous tank releases. The extent of contamination has not been determined.

D. **Recommendations**

Additional investigation will be required to define the lateral extent of soil and groundwater contamination, and to assess remedial alternative. In the interim, groundwater monitoring should be continued.

V LIMITATIONS

This assessment was intended to provide a preliminary means of evaluating the risk of the property containing significant soil and groundwater contamination near the previous tanks. Contamination may exist in other areas not investigated by SCI.

The conclusions drawn from this assessment are an expression of our professional opinion, and do not constitute a warranty of guaranty, either expressed or implied. Additional investigative work, if undertaken, may modify the conclusions presented herein, as additional information is generated.

SCI has performed this assessment in accordance with generally accepted standards of care which exist in northern California at the time of this study. Please recognize that the definition and evaluation of environmental conditions is difficult and inexact. Judgements leading to conclusions and recommendations are generally

made with an incomplete knowledge of the subsurface and/or historic conditions applicable to the site. In addition, the conclusions made herein reflect site conditions at the time of the investigation. These conditions may change with time and as such the conclusion may also change.

The conclusions and opinions presented herein may also be affected by rapid changes in the field of environmental engineering and the laws governing hazardous waste. The reader is advised to consult with SCI prior to relying upon the information provided.

List of Attached Plates:

Plate 1	-	Site Plan
Plate 2	-	Waste Oil Tank Area Detail
Plate 3	-	Previous Site Plan
Plates 4 - 7		Test Boring Logs
Plate 8	-	Unified Soil Classification System

List of Tables:

Table 1	-	Summary of Contaminants in Soil
Table 2	-	Summary of Contaminants in Groundwater
Table 3	-	Semi-volatile Organics in Soil
Table 4	-	Groundwater Elevation Data

Appendix:

A Shipping Manifests
Landfill Disposal Receipts

B Analytical Test Report
Chain-of-Custody Reports

C Zone 7 Permit
Well Development Forms
Well Sampling Forms

Distribution:

1 copy: Ms. Marianne Robison
Buttner Properties
600 West Grand Avenue
Oakland, California 94612

1 copy: Ms. Jennifer Eberle
Alameda County Health Care Services Agency
80 Swan Way, Room 350
Oakland, California 94621

CP:JNA:clh

Table 1
Summary of Contaminants In Soil

	Petroleum Hydrocarbons					Volatile Organics									Metals	Semivolatile Organics		
	Gasoline mg/kg	Kerosene mg/kg	Diesel mg/kg	Motor Oil mg/kg	Oil & Grease mg/kg	Benzene µg/kg	Toluene µg/kg	Ethyl-Benzene µg/kg	Xylenes µg/kg	Chloro-Benzene µg/kg	1,1,1-TCA µg/kg	PCE µg/kg	1,1-DCA µg/kg	1,2-DCA µg/kg	Lead ~~µg/kg~~ mg/kg	Total PNA's ~~µg/kg~~ mg/kg	Total Other Base Neutrals ~~µg/kg~~	Total Phthalates ~~µg/kg~~ mg/kg
Excavation Samples																		
walls 3@6'	<1	<1	<1	27	<50	<5	<5	<5	<5	-	-	-	-	-	8	-	-	-
4@11'	<1	<1	<1	20	80	<5	<5	<5	<5	-	-	-	-	-	11	-	-	-
5@6'	240	<1	560	1,700	3,900	300	1,800	2,500	16,000	16	<5	29	6.5	36	590	5.6	0.39	<0.05
6@11'	31	<1	250	640	1,700	580	670	550	2,700	8.4	<5	8	<5	<5	45	7.33	0.21	1.6
7@6'	<1	<1	<1	<10	<50	<5	<5	<5	31	<5	<5	<5	<5	<5	19	<0.05	<0.05	2.95
8@11.5'	100	<1	680	1,100	2,700	360	300	1,300	6,700	-	-	-	-	-	21	-	-	-
9@6'	<1	<1	<1	<10	<50	<5	<5	<5	<5	-	-	-	-	-	8.6	-	-	-
10@11.5'	6.5	<1	210	360	470	100	7.3	100	160	-	-	-	-	-	14	-	-	-
bottom 11@13'	15	<1	210	450	780	430	45	350	960	7.6	<5	<5	<5	<5	60	1.16	<0.05	2.0
Well Boring Samples																		
MW1@10'	260	<1	<1	<10	<50	<20	<20	970	770	<5	<5	<5	<5	<5	-	-	-	-
MW2@10'	<1	<1	<1	<10	<50	<90	<90	<5	<5	<5	<5	<5	<5	<5	-	-	-	-
MW3@10'	620	<1	5.6	<10	<50	<90	<90	840	2,700	<5	7.4	11	<5	<5	-	-	-	-
MW4@10'	1.9	<1	8.9	22	64	<20	<20	<5	<5	<5	<5	<5	<5	<5	-	-	-	-

µg/kg = micrograms per kilogram = parts per billion
mg/kg = milligrams per kilogram = parts per million
<5 = Chemical not present at a concentration greater than the laboratory detection limit shown or stated on test reports.
- = Test not performed
ND = Chemical not present at a concentration greater than the laboratory detection limit stated on test reports.
TCA = Trichloroethane
PCE = Tetrachloroethene
DCA = Dichloroethane
PNA = Polynuclear aromatic hydrocarbons, see Table 3.

Table 2
Summary of Contaminants in Groundwater

	Petroleum Hydrocarbons					Volatile Organics						Metals
Well	Gasoline µg/l	Kerosene µg/l	Diesel µg/l	Motor Oil mg/l	Oil & Grease mg/l	Benzene µg/l	Toluene µg/l	Ethyl-Benzene µg/l	Xylenes µg/l	1,1-DCA µg/l	Chloro-Benzene µg/l	Lead mg/l
MW-1	300	<50	<50	<0.5	<1	1.3	<0.5	2.7	3.1	<0.5	<0.5	<0.01
MW-2	110	<50	<50	<0.5	<1	<0.5	1.7	0.58	2.7	<0.5	<0.5	<0.01
MW-3	85	<50	<50	<0.5	<1	<0.5	0.77	<0.05	3.7	<0.5	<0.5	<0.01
MW-4	4300	<50	240	<0.5	1.3	220	20	7.5	17	5.9	4.4	<0.01

3-3-94

mg/l = milligrams per liter = parts per million
µg/l = micrograms per liter = parts per billion
<1 = Chemical not persent at a concentration greater than the laboratory detection limit shown or stated on test reports.
DCA = Dichloroethane

Table 3
Semivolatile Organic Concentrations in Soil

excavation samples (WO series) from waste oil pit

	5 @ 6' µg/kg	6 @ 11' µg/kg	7 @ 6' µg/kg	11 @ 13' µg/kg
Polynuclear Aromatics				
Naphthalene	1.8	2.5	<0.05	0.34
2-Methylnaphthalene	2.7	3.7	<0.05	0.39
Flourene	0.12	0.14	<0.05	0.08
Phenanthrene	0.45	0.39	<0.05	0.2
Anthracene	0.13	0.18	<0.05	<0.05
Flouranthene	0.14	0.15	<0.05	0.05
Pyrene	0.26	0.27	<0.05	0.1
Phthalates				
Di-N-Butylphthalate	<0.05	1.6	1.7	2.0
Butylbenzphthalate	<0.05	<0.05	0.93	<0.05
Bis(2-ehtylhelyl)phthalate	<0.05	<0.05	0.32	<0.05
Other Base Neutrals				
Nitrobenzene	0.39	<0.05	<0.05	<0.05
N-Nitrosodiophenylamine	<0.05	0.21	<0.05	<0.05

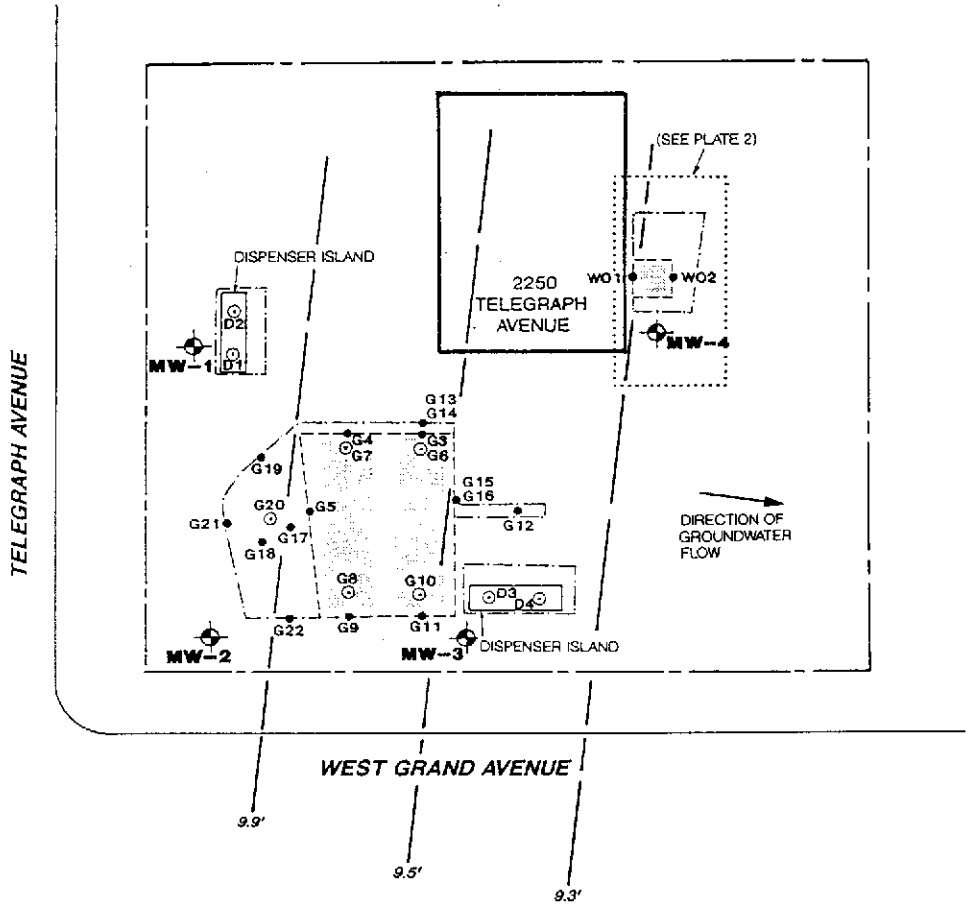
µg/kg = micrograms per kilogram = parts per billion
<0.05 = Chemical not present at a concentration greater than laboratory detection limit stated.

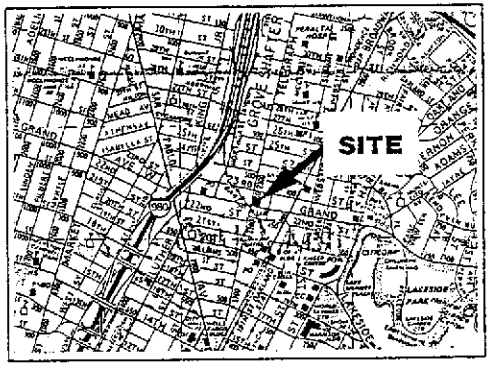
Table 4
Groundwater Elevation Data

Well	Date	TOC Elevation (feet)	Depth (feet)	Elevation (feet)
1	3/3/94	20.55	10.39	10.16
	3/10/94		10.54	10.01
2	3/3/94	20.03	10.37	9.66
	3/10/94		10.53	9.50
3	3/3/94	18.97	9.50	9.47
	3/10/94		9.51	9.26
4	3/3/94	19.88	10.89	8.99
	3/10/94		11.19	8.69

TOC = Top of Casing

Elevation Reference: USCGS benchmark W1197, 1969 with a reported elevatin of +21.06 feet MSL datum.





VICINITY MAP

FENCE
STRUCTURE
EXTENDED EXCAVATION (1994)
ORIGINAL EXCAVATION (1990)
BOTTOM SAMPLE (1990)
SIDEWALL SAMPLE (1990)
PREVIOUS TANKS
MONITORING WELL
GROUNDWATER ELEVATION CONTOURS (FEET)

APPROXIMATE SCALE (feet)
0 20 40

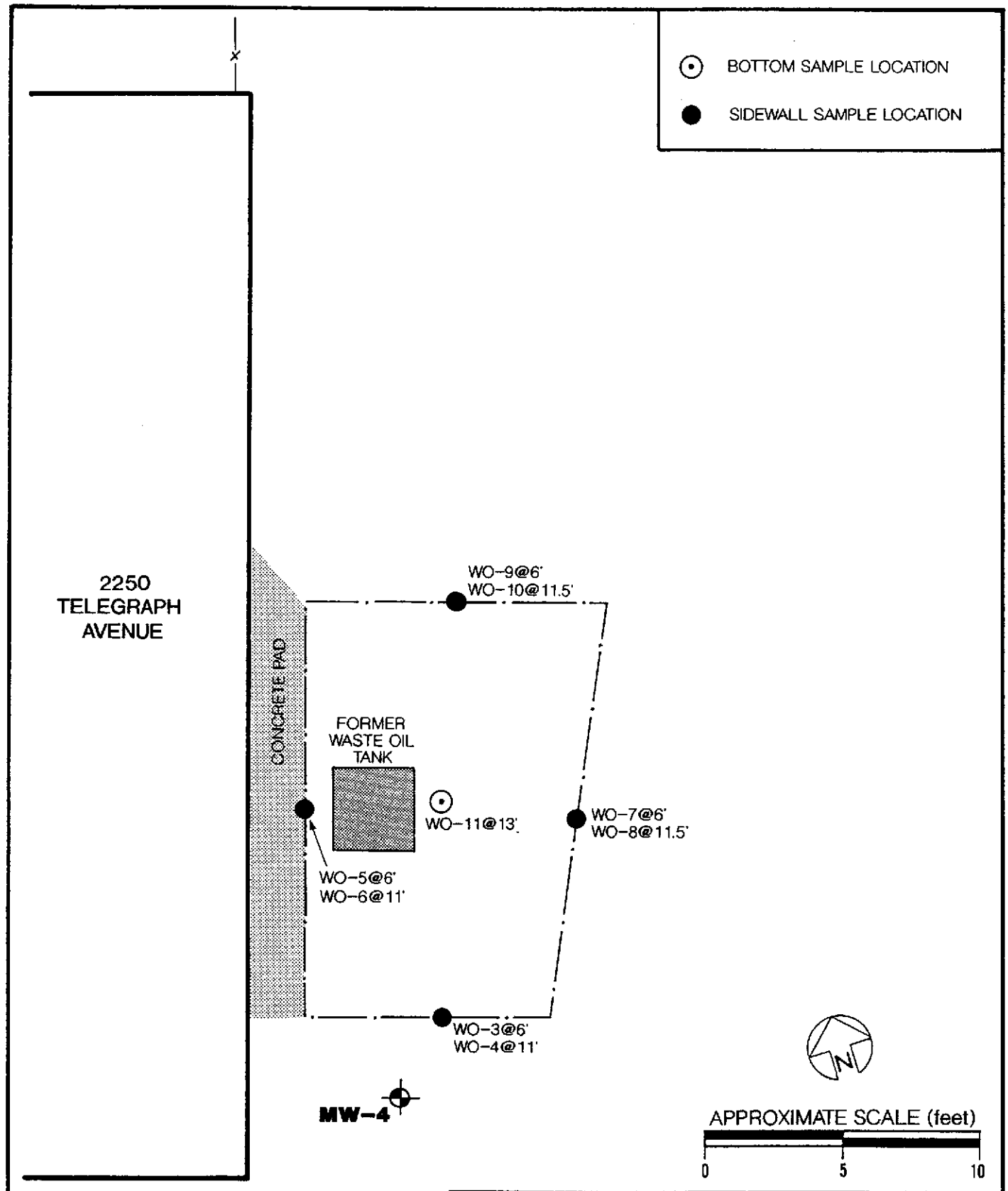
SITE PLAN

Subsurface Consultants

2250 TELEGRAPH AVENUE – OAKLAND, CA

JOB NUMBER	DATE	APPROVED
609.002	11/30/90	

PLATE 1



WASTE OIL TANK AREA

Subsurface Consultants

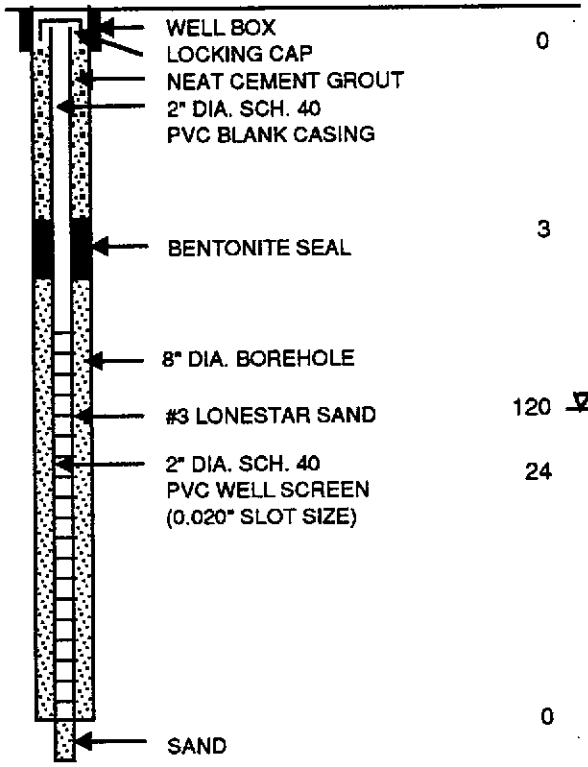
2250 TELEGRAPH AVENUE - OAKLAND, CA

JOB NUMBER	DATE	APPROVED
609.002	3/14/94	

PLATE 2

LOG OF TEST BORING MW-1

EQUIPMENT 8" Hollow Stem Auger
DATE DRILLED 3/2/94
TOC ELEVATION 20.55 feet



MOISTURE CONTENT %	DRY DENSITY (PCF)	OVM (ppm)	DEPTH (feet)	SAMPLE	BLOWS PER FOOT	
		0	0			CONCRETE SLAB - 5" thick
						DARK BROWN SILTY CLAY (CL) medium stiff, moist, with some sand
		3	5			
						MOTTLED GRAY GREEN BROWN SILTY SANDY CLAY (CL) medium stiff, moist, with strong hydrocarbon odor
		120	10 ▽		11	
					14	GROUNDWATER LEVEL ON 3/3/94
		24				BROWN SILTY CLAY (CL) medium stiff, moist, with some sand and small angular rock
			15			
						GRAY BROWN SILTY CLAY (CL) medium stiff, wet to moist, with small angular claystone fragments
		0			16	
			20			GROUNDWATER NOT ENCOUNTERED DURING DRILLING
			25			
			30			
			35			
			40			

Subsurface Consultants

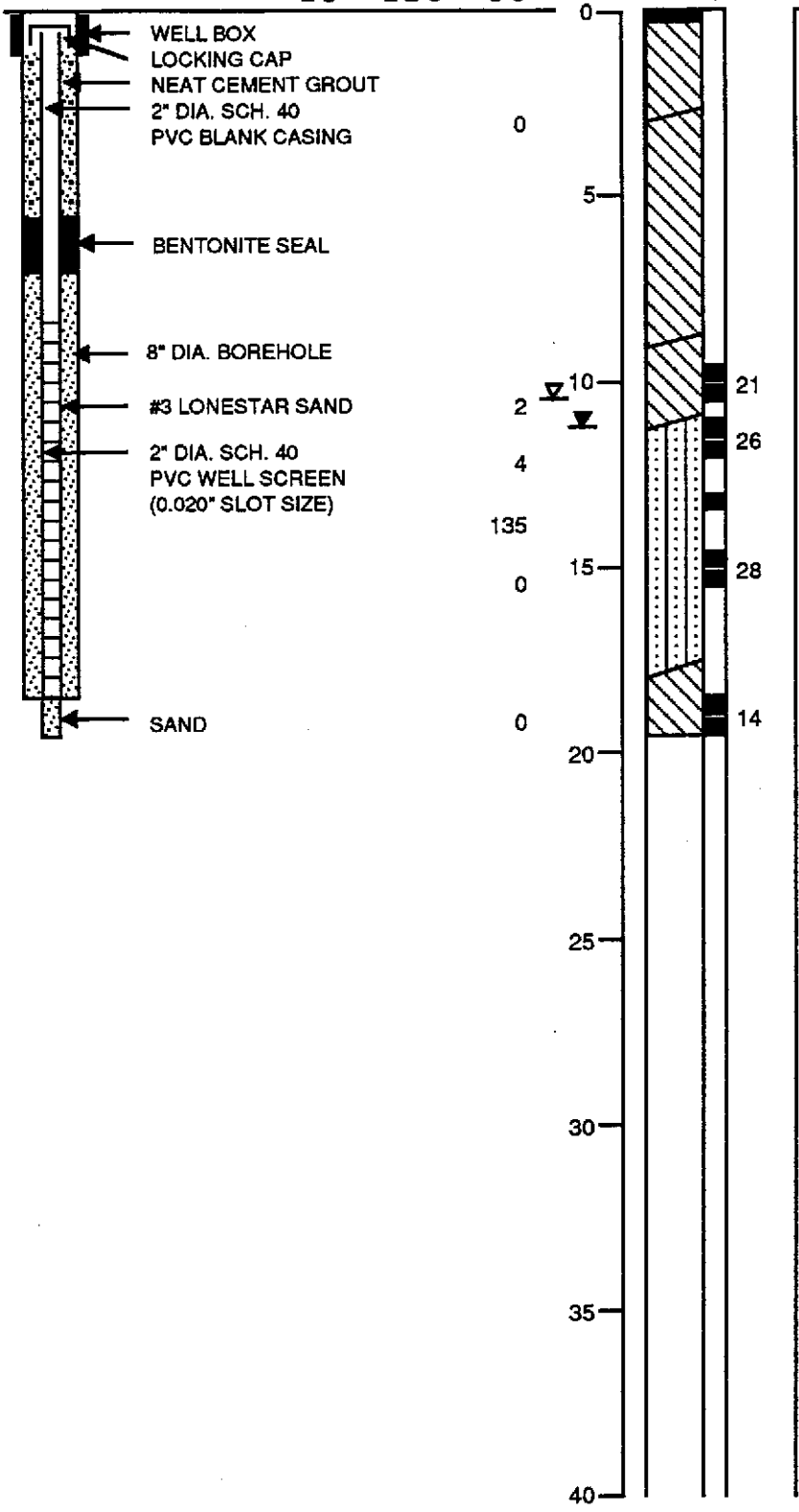
2250 TELEGRAPH AVENUE - OAKLAND, CA

JOB NUMBER 609.002 | DATE 3/21/94 | APPROVED

PLATE 3

LOG OF TEST BORING MW-2

EQUIPMENT 8" Hollow Stem Auger
DATE DRILLED 3/1/94
TOC ELEVATION 20.03 feet



ASPHALTIC CONCRETE - 3" thick
DARK BROWN SILTY CLAY (CL)
medium stiff, moist, with some sand
DARK GRAY SILTY CLAY (CL)
medium stiff, moist

GRAY GREEN SANDY CLAY (CL)
stiff, moist
GROUNDWATE LEVEL ON 3/3/94
GROUNDWATER LEVEL DURING DRILLING
GRAY BROWN SILTY SAND (SM/SP)
medium dense, wet

color changes to gray

BROWN SILTY CLAY (CL)
medium stiff, moist

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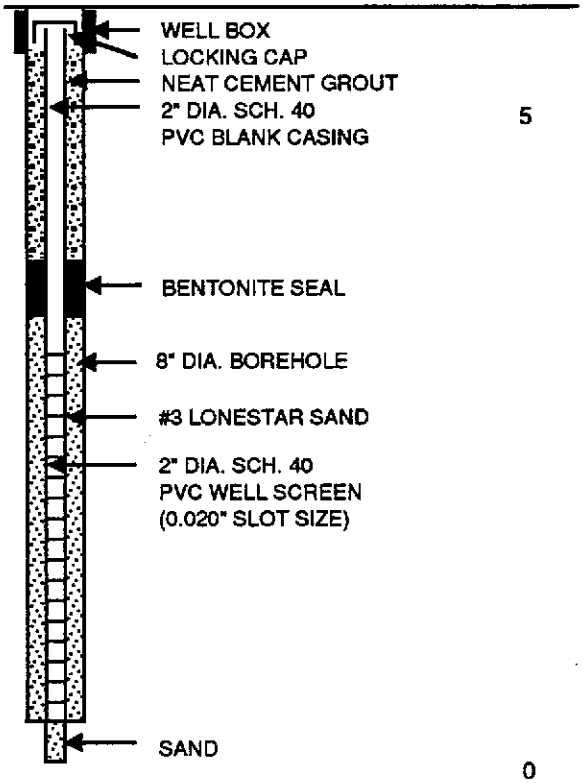
2250 TELEGRAPH AVENUE - OAKLAND, CA

JOB NUMBER	DATE	APPROVED
609.002	3/21/94	

PLATE 4

LOG OF TEST BORING MW-3

EQUIPMENT 8" Hollow Stem Auger
DATE DRILLED 3/1/94
TOC ELEVATION 18.97 feet



MOISTURE CONTENT %	DRY DENSITY (PCF)	OVM (ppm)	DEPTH (feet)	SAMPLE	BLOWS PER FOOT	
			0			ASPHALTIC CONCRETE - 4" thick
						LIGHT BROWN SANDY CLAY (CL)
						medium stiff, moist
		5				DARK BROWN SILTY CLAY (CL)
						medium stiff, moist
			5			
						GROUNDWATER LEVEL ON 3/3/94
			10		11	GRAY BROWN SILTY SAND (SM/SP)
						medium dense, wet
					28	BROWN SANDY CLAY (CL)
						medium stiff, moist
						BROWN CLAYEY SAND (SC)
			15			medium dense, moist
						BROWN SILTY CLAY (CL)
						medium stiff, moist, with some small angular
						claystone fragments
					26	
		0	20			GROUNDWATER NOT ENCOUNTERED
						DURING DRILLING
			25			
			30			
			35			
			40			

Subsurface Consultants

2250 TELEGRAPH AVENUE - OAKLAND, CA

JOB NUMBER 609.002

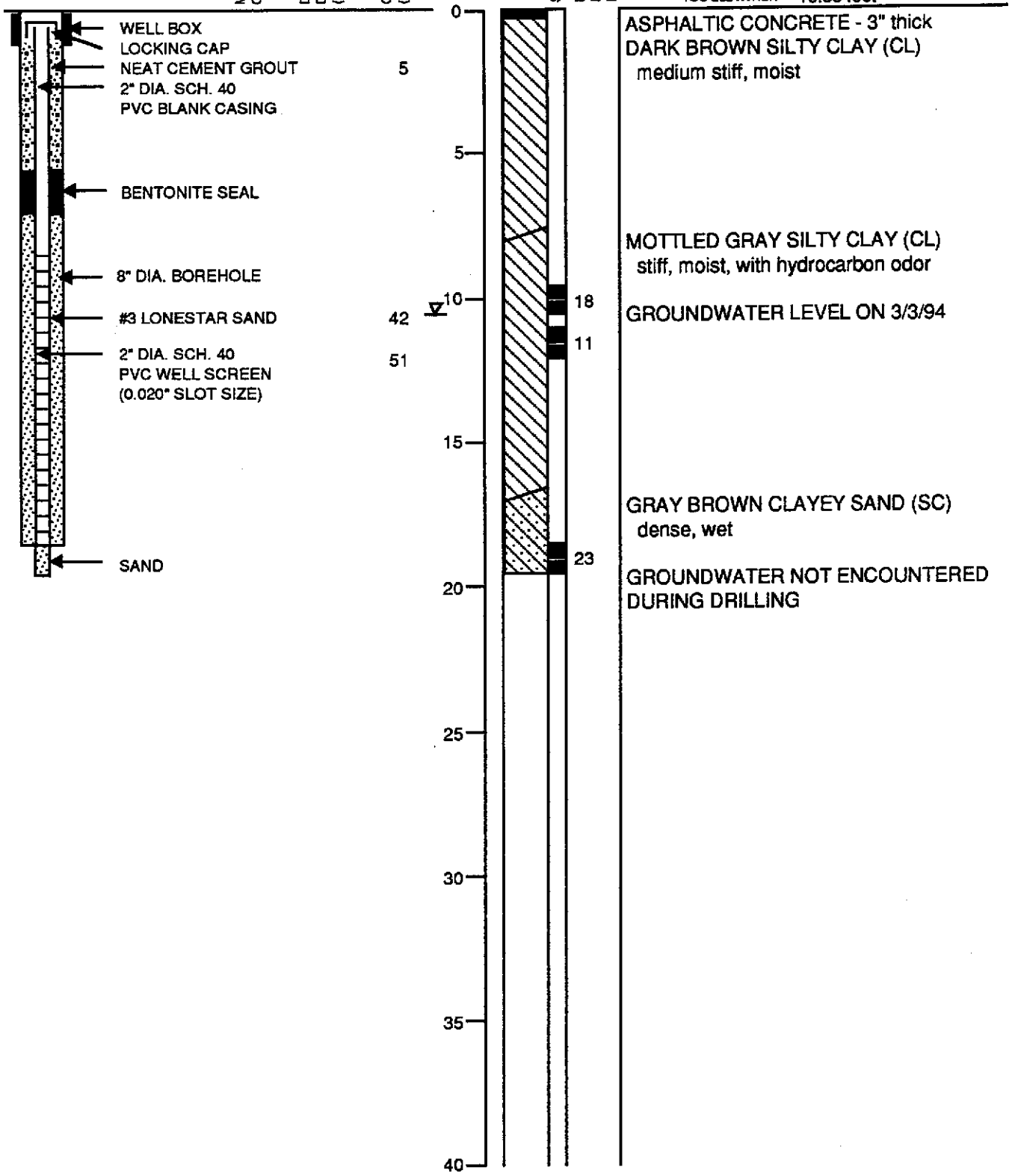
DATE 3/21/94

APPROVED

PLATE 5

LOG OF TEST BORING MW-4

EQUIPMENT 8" Hollow Stem Auger
DATE DRILLED 3/2/94
TOC ELEVATION 19.88 feet



Subsurface Consultants

2250 TELEGRAPH AVENUE - OAKLAND, CA

JOB NUMBER 609.002
DATE 3/21/94
APPROVED

PLATE 6

GENERAL SOIL CATEGORIES			SYMBOLS		TYPICAL SOIL TYPES
COARSE GRAINED SOILS More than half is larger than No. 200 selve	GRAVEL More than half coarse fraction is larger than No. 4 seive size	Clean Gravel with little or no fines	GW		Well Graded Gravel, Gravel-Sand Mixtures
			GP		Poorly Graded Gravel, Gravel-Sand Mixtures
		Gravel with more than 12% fines	GM		Silty Gravel, Poorly Graded Gravel-Sand-Silt Mixtures
			GC		Clayey Gravel, Poorly Graded Gravel-Sand-Clay Mixtures
	SAND More than half coarse fraction is smaller than No. 4 seive size	Clean Sand with little or no fines	SW		Well Graded Sand, Gravelly Sand
			SP		Poorly Graded Sand, Gravelly Sand
		Sand with more than 12% fines	SM		Silty Sand, Poorly Graded Sand-Silt Mixtures
			SC		Clayey Sand, Poorly Graded Sand-Clay Mixtures
FINE GRAINED SOILS More than half is smaller than No. 200 selve	SILT AND CLAY Liquid Limit Less than 50%		ML		Inorganic Silt and Very Fine Sand, Rock Flour, Silty or Clayey Fine Sand, or Clayey Silt with Slight Plasticity
			CL		Inorganic Clay of Low to Medium Plasticity, Gravelly Clay, Sandy Clay, Silty Clay, Lean Clay
			OL		Organic Clay and Organic Silty Clay of Low Plasticity
	SILT AND CLAY Liquid Limit Greater than 50%		MH		Inorganic Silt, Micaceous or Diatomaceous Fine Sandy or Silty Soils, Elastic Silt
			CH		Inorganic Clay of High Plasticity, Fat Clay
			OH		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

2250 TELEGRAPH AVENUE - OAKLAND, CA

JOB NUMBER	DATE	APPROVED
609.002	3/21/94	

PLATE 7

KELLER CANYON LANDFILL COMPANY

No: 030226

DIVISION OF BFI BROWNING-FERRIS INDUSTRIES

901 BAILEY ROAD
PITTSBURG, CA 94565

Ticket : A29639 02/09/94 I: 10:40 am
Customer: BUTTNER PROPERTIES, INC.
Account : 0000711 LMS# 711 O: 11:09 am
Truck : A84
Checker : Michael D.
Gr: 42.47 Scale 1
Tare: 15.63 Scale 3 Net: 26.84 tn
Source: 01

Volume	Contents	Rate	Charge
26.84 TN	SPECL1 OUT	55.00	1476.20
0.00 EA	Handling	75.00	0.00
TOTAL		*	1476.20

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.

Ninôs deben de permaneceren en los carros a todas horas.

No se permite llever cosas del dompe absolutamente.

for information call: (510) 458-9800

DRIVER

CUSTOMER

READY PRINT 330919

KELLER CANYON LANDFILL COMPANY

DIVISION OF BFI BROWNING-FERRIS INDUSTRIES

No: 030241

901 BAILEY ROAD
PITTSBURG, CA 94565

Ticket : A29653 02/09/94 I: 12:28 pm
Customer: BUTTNER PROPERTIES, INC.
Account : 0000711 LMS# 711 O: 12:53 pm
Truck : R45
Checker : Michael D.
Gr: 41.84 Scale 1
Tare: 14.96 Scale 3 Net: 26.88 tn
Source: 02

Volume		Contents	Rate	Charge
26.88	TN	SPECL1 OUT	55.00	1478.40
0.00	EA	Handling	75.00	0.00
TOTAL				$ 1478.40

for information call: (510) 458-9800

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.

Ninõs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

READY PRINT 330919

Stuart Canyon

DRIVER

CUSTOMER

KELLER CANYON LANDFILL COMPANY

No: 030252

DIVISION OF BROWNING-FERRIS INDUSTRIES

901 BAILEY ROAD
PITTSBURG, CA 94565

Ticket : A29666 02/09/94 I: 01:57 pm
Customer: BUTTNER PROPERTIES, INC.
Account : 0000711 LMS# 711 O: 02:17 pm
Truck : D1
Checker : Michael D.
Gr: 32.37 Scale 1
Tare: 15.45 Scale 3 Net: 16.92 tn
Source: 02

Volume		Contents	Rate	Charge
16.92	TN	SPECL1 OUT	55.00	930.60
0.00	EA	Handling	75.00	0.00
TOTAL			$	930.60

for information call: (510) 458-9800

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.

Ninõs deben de permaneceren en los carros a todas horas.

No se permité llevar cosas del dompe absolutamenté.

DRIVER Debe Short

CUSTOMER

READY PRINT 330919

KELLER CANYON LANDFILL COMPANY

No: 030259

A DIVISION OF BFI BROWNING-FERRIS INDUSTRIES

901 BAILEY ROAD
PITTSBURG, CA 94565

Ticket : 029475 02/10/94 I: 07:41 am
Customer: BOTTNER PROPERTIES, INC.
Account : 0000711 LMS# 711 O: 07:41 am
Truck : A84
Checker : Michael D.
Gr: 36.40 Scale 1
Tare: 15.63 Stored Net: 20.77 tn
Source: 01

Volume		Contents	Rate	Charge
20.77	TN	SPECL1 OUT	55.00	1142.35
0.00	EA	Handling	75.00	0.00
TOTAL			$	1142.35

for information call: (510) 458-9800

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 permanecéren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

READY PRINT 330919

DRIVER

CUSTOMER

KELLER CANYON LANDFILL COMPANY

DIVISION OF BFI BROWNING-FERRIS INDUSTRIES

No: 030260

901 BAILEY ROAD
PITTSBURG, CA 94565

Ticket : A29676 02/10/94 I: 07:41 am
Customer: BOTTNER PROPERTIES, INC.
Account : 0000711 LMS#.711 O: 07:42 am
Truck : R45
Checker : Michael D.
Gr: 31.72 Scale 2
Tare: 14.96 Stored Net: 16.76 tn
Source: 02

Volume		Contents	Rate	Charge
16.76	TN	SPECL1 OUT	55.00	921.80
0.00	EA	Handling	75.00	0.00
TOTAL			$	921.80

for information call: (510) 458-9800

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.

Ninôs deben de permanecerен en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

READY PRINT 330919

DRIVER S. Campos

CUSTOMER

Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 1067485

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: Buttner Properties ✓
Address: 600 West Grand Ave
Oakland, CA 94612
Phone No.: 510-832-3456

Generating Location: Dave's Auto ✓
Address: 2250 Telegraph Ave, ~~Oakland~~
Oakland, CA 94612
Phone No.: 510-451-5662

BFI Waste Code: CA 114 301269
Description of Waste: waste oil Contaminated Soil ✓
4306 0

Quantity	Units	Containers No.	Containers Type
18	Y		T

Type: D - Drum, C - Carton, B - Bag, T - Truck, P - Pounds, Y - Yards, O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Subsurface Consultants Inc — Charles Pace — Shipment Date: 020994
Generator Authorized Agent Name / Signature

TRANSPORTER

Truck No.: A-84
Phone No.: 237-3947
Transporter Name: Ken's Haul
Driver Name (Print): Jim Tokuyoshi
Address: 3025 Mc Bryde Ave
Richmond, Ca
Vehicle License No./State: 3E57843 CA
Vehicle Certification: N/A

I hereby certify that the above named material was picked up at the generator site listed above.

Jim Tokuyoshi — 020994 — Shipment Date
Driver Signature / Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Jim Tokuyoshi — 020994 — Delivery Date
Driver Signature / Delivery Date

DESTINATION

Name: _____ Phone No.: _____
Address: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Mike Duffy — Mike Duffy — 020994 — Receipt Date
Name of Authorized Agent / Signature / Receipt Date

PASS CODE: _____

BFI260-720 3/9

UNLOADING AREA COPY

WFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 1067486

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: Buttner Properties
Address: 600 West Grand Ave
Oakland, CA 94612
Phone No.: 510-832-3456

Generating Location: Rue's Auto
Address: 2250 Telegraph Ave
Oakland, CA 94612
Phone No.: 510-451-5662

Waste Code: F-A 114 301269 43060

Description of Waste: Waste Oil contaminated Soil

Quantity	Units	Containers No.	Containers Type
18	Y		T

Type: D - Drum; C - Carton; B - Bag; T - Truck; P - Pounds; Y - Yards; O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 of any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Subsurface Consultants, Inc. — Signature — Shipment Date: 02 09 94
Generator Authorized Agent Name

TRANSPORTER

Truck No.: C-4
Phone No.: (510) 223-2351
Transporter Name: CAWEPA TRK.
Driver Name (Print): STEVE CAWEPA
Address: 5506 HACKNEY CT.
Richmond, CA.
Vehicle License No./State: 2M50875
Vehicle Certification:

I hereby certify that the above named material was picked up at the generator site listed above.
Driver Signature: Steve Cawepa — Shipment Date: 02 09 94

I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature: Steve Cawepa — Delivery Date: 02 09 94

DESTINATION

Site Name: Keller Canyon
Phone No.: 510-458-7800
Address: 901 Bailey

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: Mike Raffety — Signature: M. Raffety — Receipt Date: 02 09 94

PASS CODE

BFI260-720 3/93

UNLOADING AREA COPY

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 1067487

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: Buttner Properties
Address: 600 West Grand Ave
Oakland, California 94612
Phone No.: 510-832-3456

Generating Location: Dave's Auto
Address: 2250 Telegraph Ave
Oakland, CA 94612
Phone No.: 510-451-5662

BFI Waste Code: CA 114 301269 413060

Description of Waste: Waste Oil Contaminated Soil

Quantity	Units	Containers No.	Containers Type
16	Y		T

Type: D - Drum, C - Carton, B - Bag, T - Truck, P - Pounds, Y - Yards, O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Subsurface Consultants, Inc
Signature:
Shipment Date: 02 09 94

TRANSPORTER

Truck No.: D-1
Phone No.: (510) 223-4957
Transporter Name: ROB & Deb's TRUCKING
Driver Name (Print): DEBI SHORT
Address: 4619 HILLTOP DR
EL SOBRANTE CA. 94803
Vehicle License No./State: 9A59833
Vehicle Certification: — N/A

I hereby certify that the above named material was picked up at the generator site listed above.
Driver Signature: Debi Short
Shipment Date: 02 09 94

I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature: Debi Short
Delivery Date: 02 09 94

DESTINATION

Site Name: Keller Canyon
Phone No.: 510-458980
Address: 901 Bailey

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent: MIKE Duffy
Signature:
Receipt Date: 02 09 94

PASS CODE

BFI260-720 3/0

UNLOADING AREA COPY

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 1067488

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: Buttner Properties
Address: 600 West Grand Ave, Oakland, CA 94612
Phone No.: 510-832-3456

Generating Location: Dave's Auto
Address: 2250 Telegraph Ave Oakland, CA 94612
Phone No.: 510-451-5662

BFI Waste Code: CA 114 301269 430600

Description of Waste: Waste Oil Contaminated Soil

Quantity	Units	Containers No.	Containers Type
18	Y		T

Type: D - Drum, C - Carton, B - Bag, T - Truck, P - Pounds, Y - Yards, O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Subsurface Consultants, Inc — Generator Authorized Agent Name
Signature
02/10/94 — Shipment Date

TRANSPORTER

Truck No.: A-84
Phone No.: 510 x237-3947
Transporter Name: Ken's Way
Driver Name (Print): Jim Tokuyoshi
Address: 3025 McBryde Ave, Richmond, Calif
Vehicle License No./State: 3E59843 CA
Vehicle Certification: N/A

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 02/10/94 — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 02/10/94 — Delivery Date

DESTINATION

Site Name:
Phone No.:
Address:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Mike Duffey — Name of Authorized Agent
Signature
02/10/94 — Receipt Date

PASS CODE

BFI260-720 3/

UNLOADING AREA COPY

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 1067489

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: Buttner Properties
Address: 600 West Grand Ave
Oakland CA 94612
Phone No.: 510-832-3456

Generating Location: Dave's Auto
Address: 2250 Telegraph Ave
Oakland, CA 94612
Phone No.: 510-451-5662

BFI Waste Code: EA 114 301269 43060

Description of Waste: Waste Oil Contaminated Soil

Quantity	Units	Containers No.	Containers Type
14	Y		T

Type: D - Drum, C - Carton, B - Bag, T - Truck, P - Pounds, Y - Yards, O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Subsurface Consultants, Inc — Generator Authorized Agent Name
Charles G. Lemmon — Signature
020994 — Shipment Date

TRANSPORTER

Truck No.: C-4
Phone No.: (510) 223-2351
Transporter Name: CAMPA TRK
Driver Name (Print): STEVE CAMPA
Address: 5506 HACKNEY CT
Richmond, CA.
Vehicle License No./State: 2M50875
Vehicle Certification:

I hereby certify that the above named material was picked up at the generator site listed above.

Steve Campa — Driver Signature
21094 — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Steve Campa — Driver Signature
21094 — Delivery Date

DESTINATION

Site Name:
Phone No.:
Address:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MIKE DUFFY — Name of Authorized Agent
M. Duffy — Signature
021094 — Receipt Date

PASS CODE:

BFI280-720 3

UNLOADING AREA COPY

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 9, 1994 ChromaLab File No.: 9403095

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Four soil samples for Oil & Grease analysis

Project Name: 2250 TELEGRAPH AVENUE
Project Number: 609.002
Date Sampled: SEE BELOW Date Submitted: March 4, 1994
Date Analyzed: March 8, 1994

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)	Date Analyzed
MW-1 @ 10'	N.D.	March 2, 1994
MW-2 @ 10'	N.D.	March 1, 1994
MW-3 @ 10'	N.D.	March 1, 1994
MW-4 @ 10'	64	Narch 2, 1994
BLANK	N.D.	
DETECTION LIMIT	50	
METHOD OF ANALYSIS	STD METHOD 5520 E & F	

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

cc

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: 4 samples for Gasoline and BTEX analysis.

Matrix: SOIL
Sampled on: March 1, 1994 *Analyzed on:* March 8, 1994
Method: EPA 5030/8015/8020 *Run#:* 2398

Lab #	SAMPLE ID	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
45532	MW-2 @ 10'	N.D.	N.D.	N.D.	N.D.	N.D.
45533	MW-3 @ 10'	620	N.D.	N.D.	840	2700

Note: DETECTION LIMIT = 90 UG/KG FOR BENZENE & TOLUENE

Matrix: SOIL
Sampled on: March 2, 1994 *Analyzed on:* March 8, 1994
Method: EPA 5030/8015/8020 *Run#:* 2398

Lab #	SAMPLE ID	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
45531	MW-1 @ 10'	260	N.D.	N.D.	970	770

Note: DETECTION LIMIT = 20 UG/KG FOR BENZENE & TOLUENE

45534 MW-4 @ 10'	1.9	N.D.	N.D.	N.D.	N.D.
DETECTION LIMITS	1.0	5.0	5.0	5.0	5.0
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)	106	102	105	107	108

ChromaLab, Inc.

Billy Thach
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File No.: 9403095

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Four soil samples for TEPH analysis

Project Name: 2250 TELEGRAPH AVENUE
Project Number: 609.002
Date Sampled: March 1-2, 1994 Date Submitted: March 4, 1994
Date Extracted: March 10, 1994 Date Analyzed: March 10, 1994

RESULTS:

Sample I.D.	Kerosene (mg/Kg)	Diesel (mg/Kg)	Motor Oil (mg/Kg)
MW-1@10'	N.D.	N.D.	N.D.
MW-2@10'	N.D.	N.D.	N.D.
MW-3@10'	N.D.	5.6	N.D.
MW-4@10'	N.D.	8.9	22
BLANK	N.D.	N.D.	N.D.
SPIKE RECOVERY	---	86%	---
DUP SPIKE RECOVERY	---	93%	---
DETECTION LIMIT	1.0	1.0	10.0
METHOD OF ANALYSIS	3550/8015	3550/8015	3550/8015

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-1 @ 10'** *Matrix:* SOIL
Lab #: 45531-2445 *Sampled:* March 2, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	104
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	N.D.	5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road, #1 • San Ramon, California 94583
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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-2 @ 10'** *Matrix:* SOIL
Lab #: 45532-2445 *Sampled:* March 1, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	104
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	N.D.	5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-3 @ 10'** *Matrix:* SOIL
Lab #: 45533-2445 *Sampled:* March 1, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	104
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	7.4	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	11	5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-4 @ 10'** *Matrix:* SOIL
Lab #: 45534-2445 *Sampled:* March 2, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	104
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	N.D.	5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 9, 1994 ChromaLab File No.: 9403095

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Four water samples for Oil & Grease analysis

Project Name: 2250 TELEGRAPH AVENUE
Project Number: 609.002
Date Sampled: March 3, 1994 Date Submitted: March 4, 1994
Date Analyzed: March 8, 1994

RESULTS:

Sample I.D.	Oil & Grease (mg/L)
MW-1	N.D.
MW-2	N.D.
MW-3	N.D.
MW-4	1.3
BLANK	N.D.
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	STD METHOD 5520 B & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

cc

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 9, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: 4 samples for Gasoline and BTEX analysis.

Matrix: WATER
Sampled on: March 3, 1994 *Analyzed on:* March 8, 1994
Method: EPA 5030/8015/602 *Run#:* 2400

Lab #	SAMPLE ID	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
45535	MW-1	300	1.3	N.D.	2.7	3.1
45536	MW-2	110	N.D.	1.7	0.58	2.7
45537	MW-3	85	N.D.	0.77	N.D.	3.7
45538	MW-4	4300	220	20	7.5	17
DETECTION LIMITS		50	0.5	0.5	0.5	0.5
BLANK		N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)		81	92	102	96	103

ChromaLab, Inc.

Jack Kelly
Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

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5 DAYS TURNAROUND

March 11, 1994 ChromaLab File No.: 9403095

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Four water samples for TEPH analysis

Project Name: 2250 TELEGRAPH AVENUE
Project Number: 609.002
Date Sampled: March 3, 1994 Date Submitted: March 4, 1994
Date Extracted: March 10, 1994 Date Analyzed: March 10, 1994

RESULTS:

Sample I.D.	Kerosene (µg/L)	Diesel (µg/L)	Motor Oil (mg/L)
MW-1	N.D.	N.D.	N.D.
MW-2	N.D.	N.D.	N.D.
MW-3	N.D.	N.D.	N.D.
MW-4	N.D.	240	N.D.
BLANK	N.D.	N.D.	N.D.
SPIKE RECOVERY	---	103%	---
DUP SPIKE RECOVERY	---	82%	---
DETECTION LIMIT	50	50	0.5
METHOD OF ANALYSIS	3510/8015	3510/8015	3510/8015

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-1** *Matrix:* WATER
Lab #: 45535-2445 *Sampled:* March 3, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	104
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--
1,2-DIBROMOETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-2** *Matrix:* WATER
Lab #: 45536-2445 *Sampled:* March 3, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	104
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--
1,2-DIBROMOETHANE	N.D.	0.5	N.D.	--

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Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-3** *Matrix:* WATER
Lab #: 45537-2445 *Sampled:* March 3, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	104
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--
1,2-DIBROMOETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994 ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **MW-4** *Matrix:* WATER
Lab #: 45538-2445 *Sampled:* March 3, 1994 *Analyzed:* March 10, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	5.9	0.5	N.D.	104
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	84
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	90
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	4.4	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	115
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--
1,2-DIBROMOETHANE	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 11, 1994

ChromaLab File#: 9403095

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: March 4, 1994

re: 4 samples for Lead analysis.

Matrix: WATER
Sampled on: March 3, 1994
Method: EPA 3010/6010

Extracted: March 10, 1994
Analyzed on: March 10, 1994
Run#: 2444

LAB #	CLIENT SAMPLE ID	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
45535	MW-1	N.D.	0.010	N.D.	96
45536	MW-2	N.D.	0.010	N.D.	96
45537	MW-3	N.D.	0.010	N.D.	96
45538	MW-4	N.D.	0.010	N.D.	96

ChromaLab, Inc.

Charles Woolley
Chemist

Refaat Mankarious
Inorganics Supervisor

LIMS

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CHAIN OF CUSTODY FORM

SUBN #: 9403095
CLIENT: SUBSURF
DUE: 03/11/94
REF: 15448

PAGE 1 OF 1

PROJECT NAME: 2250 Telegraph Avenue
JOB NUMBER: 609.002
PROJECT CONTACT: Jeri Alexander
SAMPLED BY: Charles Pearson
LAB: Chromalab
TURNAROUND: Normal
REQUESTED BY: JNA

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	MATRIX: SOIL	MATRIX: WASTE	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	METHOD PRESERVED: HCL	METHOD PRESERVED: H_2SO_4	METHOD PRESERVED: HNO_3	METHOD PRESERVED: ICE	METHOD PRESERVED: NONE	SAMPLING DATE: MONTH	SAMPLING DATE: DAY	SAMPLING DATE: YEAR	SAMPLING DATE: TIME	NOTES	ANALYSIS REQUESTED: Total Volatile Hydrocarbons	Total Extractable Hydrocarbons	Total Oil & Grease	Total Halocarbons (8010)	Purgable Aromatics (8020)	Total Dissolved Lead
	MW-1 @ 10'		X						X				X		03	02	94			X	X	X	X	X	
	MW-2 @ 10'		X						X				X		03	01	94			X	X	X	X	X	
	MW-3 @ 10'		X						X				X		03	01	94			X	X	X	X	X	
	MW-4 @ 10'		X						X				X		03	02	94			X	X	X		X	
	MW-1	X				6	3			X			X		03	03	94		(1)	X	X	X	X	X	X
	MW-2	X				6	3			X			X		03	03	94		(1)	X	X	X	X	X	X
	MW-3	X				6	3			X			X		03	03	94		(1)	X	X	X	X	X	X
	MW-4	X				6	3			X			X		03	03	94		(1)	X	X	X	X	X	X

CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
[signature]	3-4-94	[signature]	3/4/94 1157
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

COMMENTS & NOTES: (1) Fix & Filter prior to Pb analysis

Total cost: 40

Subsurface Consultants, Inc.
171 12TH STREET, SUITE 201, OAKLAND, CALIFORNIA 94607
(510) 268-0461 • FAX: 510-268-0137

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 16, 1994

ChromaLab File#: 9402158

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: February 11, 1994

re: 9 samples for Lead analysis.

Matrix: SOIL
Sampled on: February 9, 1994
Method: EPA 3050/6010

Extracted: February 15, 1994
Analyzed on: February 16, 1994
Run#: 2269

LAB #	CLIENT SAMPLE ID	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
43476	WO-3 @ 6'	8.0	0.50	N.D.	88
43477	WO-4 @ 11'	11	0.50	N.D.	88
43478	WO-8 @ 11.5'	21	0.50	N.D.	88
43479	WO-9 @ 6'	8.6	0.50	N.D.	88
43480	WO-10 @ 11.5'	14	0.50	N.D.	88
43481	WO-5 @ 6'	590	0.50	N.D.	88
43482	WO-6 @ 11'	45	0.50	N.D.	88
43483	WO-7 @ 6'	19	0.50	N.D.	88
43484	WO-11 @ 13'	60	0.50	N.D.	88

ChromaLab, Inc.

Charles Woolley
Chemist

Refaat Mankarious
Inorganics Supervisor

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 17, 1994 ChromaLab File No.: 9402158

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Nine soil samples for Oil & Grease analysis

Project Name: 2250 TELEGRAPH AVENUE
Project Number: 609.002
Date Sampled: Feb. 9, 1994 Date Submitted: Feb. 11, 1994
Date Analyzed: Feb. 15, 1993

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
WO-3 @ 6'	N.D.
WO-4 @ 11'	80
WO-8 @ 11.5'	2700
WO-9 @ 6'	N.D.
WO-10 @ 11.5'	470
WO-5 @ 6'	3900
WO-6 @ 11'	1700
WO-7 @ 6'	N.D.
WO-11 @ 13'	780
BLANK	N.D.
DETECTION LIMIT	50
METHOD OF ANALYSIS	STD METHOD 5520 E & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

cc

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994

ChromaLab File # 9402158
Submission #: 9402000158

SUBSURFACE CONSULTANTS, INC.
Attn: Jeri Alexander

Date Sampled: February 9, 1994 Date Submitted: February 11, 1994
Date Extracted: February 17, 1994 Date Analyzed: February 17, 1994

Project Name: 2250 TELEGRAPH AVE. Method of analysis: EPA 8270
Project No: 609.002 Matrix: Soil
Sample I.D.: WO-7 @ 6' Dilution Factor: None

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	71% 87%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	-----
2-CHLOROPHENOL	N.D.	0.05	73% 87%
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	-----
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	95% 105%
NAPHTHALENE	N.D.	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	78% 108%
2-METHYLNAPHTHALENE	N.D.	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	80% 95%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

ChromaLab File # 9402158

Project Name: 2250 TELEGRAPH AVENUE
Project No: 609.002
Sample I.D.: WO-7 @ 6'
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	64% 86%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	N.D.	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	69% 111%
PHENANTHRENE	N.D.	0.05	-----
ANTHRACENE	N.D.	0.05	-----
DI-N-BUTYL PHTHALATE	1.7	0.05	-----
FLUORANTHENE	N.D.	0.05	-----
PYRENE	N.D.	0.05	114% 118%
BUTYLBENZYLPHTHALATE	0.93	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	0.32	0.05	-----
CHRYSENE	N.D.	0.05	-----
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Lab Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994

ChromaLab File # 9402158
Submission #: 9402000158

SUBSURFACE CONSULTANTS, INC.
Attn: Jeri Alexander

Date Sampled: February 9, 1994 Date Submitted: February 11, 1994
Date Extracted: February 17, 1994 Date Analyzed: February 17, 1994

Project Name: 2250 TELEGRAPH AVE. Method of analysis: EPA 8270
Project No: 609.002 Matrix: Soil
Sample I.D.: WO-11 @ 13' Dilution Factor: None

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	71% 87%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	-----
2-CHLOROPHENOL	N.D.	0.05	73% 87%
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	-----
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	95% 105%
NAPHTHALENE	0.34	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	78% 108%
2-METHYLNAPHTHALENE	0.39	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	80% 95%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

ChromaLab File # 9402158

Project Name: 2250 TELEGRAPH AVENUE
Project No: 609.002
Sample I.D.: WO-11 @ 13'
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	64% 86%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	0.08	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	69% 111%
PHENANTHRENE	0.20	0.05	-----
ANTHRACENE	N.D.	0.05	-----
DI-N-BUTYL PHTHALATE	2.0	0.05	-----
FLUORANTHENE	0.05	0.05	-----
PYRENE	0.10	0.05	114% 118%
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	-----
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

ChromaLab, Inc.

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Analytical Chemist

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994

ChromaLab File # 9402158
Submission #: 9402000158

SUBSURFACE CONSULTANTS, INC.
Attn: Jeri Alexander

Date Sampled: February 9, 1994 Date Submitted: February 11, 1994
Date Extracted: February 17, 1994 Date Analyzed: February 17, 1994

Project Name: 2250 TELEGRAPH AVE. Method of analysis: EPA 8270
Project No: 609.002 Matrix: Soil
Sample I.D.: WO-6 @ 11' Dilution Factor: None

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	71% 87%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	-----
2-CHLOROPHENOL	N.D.	0.05	73% 87%
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	N.D.	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	-----
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	95% 105%
NAPHTHALENE	2.5	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	78% 108%
2-METHYLNAPHTHALENE	3.7	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	80% 95%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

ChromaLab File # 9402158

Project Name: 2250 TELEGRAPH AVENUE
Project No: 609.002
Sample I.D.: WO-6 @ 11'
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	64% 86%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	0.14	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	0.21	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	69% 111%
PHENANTHRENE	0.39	0.05	-----
ANTHRACENE	0.18	0.05	-----
DI-N-BUTYL PHTHALATE	1.6	0.05	-----
FLUORANTHENE	0.15	0.05	-----
PYRENE	0.27	0.05	114% 118%
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	-----
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Lab Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994

ChromaLab File # 9402158
Submission #: 9402000158

SUBSURFACE CONSULTANTS, INC.
Attn: Jeri Alexander

Date Sampled: February 9, 1994 Date Submitted: February 11, 1994
Date Extracted: February 17, 1994 Date Analyzed: February 17, 1994

Project Name: 2250 TELEGRAPH AVE. Method of analysis: EPA 8270
Project No: 609.002 Matrix: Soil
Sample I.D.: WO-5 @ 6' Dilution Factor: None

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
PHENOL	N.D.	0.05	71% 87%
BIS(2-CHLOROETHYL) ETHER	N.D.	0.05	-----
2-CHLOROPHENOL	N.D.	0.05	73% 87%
1,3-DICHLOROBENZENE	N.D.	0.05	-----
1,4-DICHLOROBENZENE	N.D.	0.05	-----
BENZYL ALCOHOL	N.D.	0.10	-----
1,2-DICHLOROBENZENE	N.D.	0.05	-----
2-METHYLPHENOL	N.D.	0.05	-----
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.05	-----
4-METHYLPHENOL	N.D.	0.05	-----
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.05	-----
HEXACHLOROETHANE	N.D.	0.05	-----
NITROBENZENE	0.39	0.05	-----
ISOPHORONE	N.D.	0.05	-----
2-NITROPHENOL	N.D.	0.05	-----
2,4-DIMETHYLPHENOL	N.D.	0.05	-----
BENZOIC ACID	N.D.	0.25	-----
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.05	-----
2,4-DICHLOROPHENOL	N.D.	0.05	-----
1,2,4-TRICHLOROBENZENE	N.D.	0.05	95% 105%
NAPHTHALENE	1.8	0.05	-----
4-CHLOROANILINE	N.D.	0.10	-----
HEXACHLOROBUTADIENE	N.D.	0.05	-----
4-CHLORO-3-METHYLPHENOL	N.D.	0.10	78% 108%
2-METHYLNAPHTHALENE	2.7	0.05	-----
HEXACHLOROCYCLOPENTADIENE	N.D.	0.05	-----
2,4,6-TRICHLOROPHENOL	N.D.	0.05	-----
2,4,5-TRICHLOROPHENOL	N.D.	0.05	-----
2-CHLORONAPHTHALENE	N.D.	0.05	-----
2-NITROANILINE	N.D.	0.25	-----
DIMETHYL PHTHALATE	N.D.	0.05	-----
ACENAPHTHYLENE	N.D.	0.05	-----
3-NITROANILINE	N.D.	0.25	-----
ACENAPHTHENE	N.D.	0.05	80% 95%
2,4-DINITROPHENOL	N.D.	0.25	-----
4-NITROPHENOL	N.D.	0.25	-----
DIBENZOFURAN	N.D.	0.05	-----

(continued on next page)

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

ChromaLab File # 9402158

Project Name: 2250 TELEGRAPH AVENUE
Project No: 609.002
Sample I.D.: WO-5 @ 6'
Method of Analysis: EPA 8270 Matrix: soil

COMPOUND NAME	Sample mg/kg	MDL mg/kg	Spike Recovery
2,4-DINITROTOLUENE	N.D.	0.05	-----
2,6-DINITROTOLUENE	N.D.	0.05	64% 86%
DIETHYL PHTHALATE	N.D.	0.05	-----
4-CHLORO-PHENYL PHENYL ETHER	N.D.	0.05	-----
FLUORENE	0.12	0.05	-----
4-NITROANILINE	N.D.	0.25	-----
4,6-DINITRO-2-METHYL PHENOL	N.D.	0.25	-----
N-NITROSODIPHENYLAMINE	N.D.	0.05	-----
4-BROMOPHENYL PHENYL ETHER	N.D.	0.05	-----
HEXACHLOROBENZENE	N.D.	0.05	-----
PENTACHLOROPHENOL	N.D.	0.25	69% 111%
PHENANTHRENE	0.45	0.05	-----
ANTHRACENE	0.13	0.05	-----
DI-N-BUTYL PHTHALATE	N.D.	0.05	-----
FLUORANTHENE	0.14	0.05	-----
PYRENE	0.26	0.05	114% 118%
BUTYLBENZYLPHTHALATE	N.D.	0.05	-----
3,3'-DICHLOROBENZIDINE	N.D.	0.10	-----
BENZO(A)ANTHRACENE	N.D.	0.05	-----
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.05	-----
CHRYSENE	N.D.	0.05	-----
DI-N-OCTYLPHTHALATE	N.D.	0.05	-----
BENZO(B)FLUORANTHENE	N.D.	0.05	-----
BENZO(K)FLUORANTHENE	N.D.	0.05	-----
BENZO(A)PYRENE	N.D.	0.05	-----
INDENO(1,2,3 C,D)PYRENE	N.D.	0.05	-----
DIBENZO(A,H)ANTHRACENE	N.D.	0.05	-----
BENZO(G,H,I)PERYLENE	N.D.	0.05	-----

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994 ChromaLab File#: 9402158

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: February 11, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **WO-7 @ 6'** *Matrix:* SOIL
Lab #: 43483-2290 *Sampled:* February 9, 1994 *Analyzed:* February 17, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	97
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	N.D.	5	N.D.	95
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	97
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

UMS

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994 ChromaLab File#: 9402158

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: February 11, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **WO-11 @ 13'** *Matrix:* SOIL
Lab #: 43484-2290 *Sampled:* February 9, 1994 *Analyzed:* February 17, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	97
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	N.D.	5	N.D.	95
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	7.6	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	97
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

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Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994 ChromaLab File#: 9402158

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: February 11, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **WO-6 @ 11'** *Matrix:* SOIL
Lab #: 43482-2290 *Sampled:* February 9, 1994 *Analyzed:* February 17, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	97
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	N.D.	5	N.D.	95
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	8.4	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	97
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

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Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994 ChromaLab File#: 9402158

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: February 11, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample: **WO-5 @ 6'** *Matrix:* SOIL
Lab #: 43481-2290 *Sampled:* February 9, 1994 *Analyzed:* February 17, 1994
Method: EPA 8010

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
BROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	5.5	5	N.D.	95
CHLOROFORM	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
1,2-DICHLOROETHANE	36	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	97
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
2-CHLOROETHYL VINYL ETHER	N.D.	5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TETRACHLOROETHENE	29	5	N.D.	95
DIBROMOCHLOROMETHANE	N.D.	5	N.D.	--
CHLOROBENZENE	16	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	97
1,3-DICHLOROBENZENE	N.D.	5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	5	N.D.	--
FREON 113	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994 ChromaLab File#: 9402158

SUBSURFACE CONSULTANTS, INC.

Atten: Jeri Alexander

Project: 2250 TELEGRAPH AVENUE **Project#:** 609.002
Submitted: February 11, 1994

re: 9 samples for Gasoline and BTEX analysis.

Matrix: SOIL
Sampled on: February 9, 1994 *Analyzed on:* February 14, 1994
Method: EPA 5030/8015/8020 *Run#:* 2247

Lab # SAMPLE ID	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
43476 WO-3 @ 6'	N.D.	N.D.	N.D.	N.D.	N.D.
43477 WO-4 @ 11'	N.D.	N.D.	N.D.	N.D.	N.D.
43478 WO-8 @ 11.5'	100	360	300	1300	6700
43479 WO-9 @ 6'	N.D.	N.D.	N.D.	N.D.	N.D.
43480 WO-10 @ 11.5'	6.5	100	7.3	100	160
43481 WO-5 @ 6'	240	300	1800	2500	16000
43482 WO-6 @ 11'	31	580	670	550	2700
43483 WO-7 @ 6'	N.D.	N.D.	N.D.	N.D.	31
43484 WO-11 @ 13'	15	430	45	350	960
DETECTION LIMITS	1.0	5.0	5.0	5.0	5.0
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)	84	82	90	89	91

ChromaLab, Inc.

Jack Kelly
Chemist

Eric Tam
Laboratory Director

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 18, 1994 ChromaLab File No.: 9402158

SUBSURFACE CONSULTANTS, INC.

Attn: Jeri Alexander

RE: Nine soil samples for TEPH analysis

Project Name: 2250 TELEGRAPH AVENUE
Project Number: 609.002
Date Sampled: February 9, 1994 Date Submitted: February 11, 1994
Date Extracted: February 17, 1994 Date Analyzed: February 17, 1994

RESULTS:

Sample I.D.	Kerosene (mg/Kg)	Diesel (mg/Kg)	Motor Oil (mg/Kg)
WO-3 @ 6'	N.D.	N.D.	27
WO-4 @ 11'	N.D.	N.D.	20
WO-5 @ 6'	N.D.	560	1700
WO-6 @ 11'	N.D.	250	640
WO-7 @ 6'	N.D.	N.D.	N.D.
WO-8 @ 11.5'	N.D.	680	1100
WO-9 @ 6'	N.D.	N.D.	N.D.
WO-10 @ 11.5'	N.D.	210	360
WO-11 @ 13'	N.D.	210	450
BLANK	N.D.	N.D.	N.D.
SPIKE RECOVERY	---	95%	---
DUP SPIKE RECOVERY	---	94%	---
DETECTION LIMIT	1.0	1.0	10.0
METHOD OF ANALYSIS	3550/8015	3550/8015	3550/8015

ChromaLab, Inc.

Alex Tam
Analytical Chemist

Eric Tam
Laboratory Director

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CHAIN OF CUSTODY FORM

CLIENT: SUBSURF
DUE: 02/18/94
REF: 15162

PAGE 1 OF 1

PROJECT NAME: 2250 Telegraph Avenue
JOB NUMBER: 609.002
PROJECT CONTACT: Jeri Alexander
SAMPLED BY: Charles Pearson
LAB: Chromalab
TURNAROUND: Normal
REQUESTED BY: JNA

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	MATRIX: SOIL	MATRIX: WASTE	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	METHOD PRESERVED: HCL	METHOD PRESERVED: H_2SO_4	METHOD PRESERVED: HNO_3	METHOD PRESERVED: ICE	METHOD PRESERVED: NONE	SAMPLING DATE: MONTH	SAMPLING DATE: DAY	SAMPLING DATE: YEAR	SAMPLING DATE: TIME	NOTES	ANALYSIS REQUESTED: TVH/BTEX	ANALYSIS REQUESTED: Oil and Grease (Petroleum)	ANALYSIS REQUESTED: TEPH	ANALYSIS REQUESTED: Total Lead	ANALYSIS REQUESTED: EPA 8010	ANALYSIS REQUESTED: EPA 8270
	WO-3@6'		X						X				X		02	09	94			X	X	X	X		
	WO-4@11'		X						X				X							X	X	X	X		
	WO-5@6'		X						X				X							X	X	X	X	X	X
	WO-6@11'		X						X				X							X	X	X	X	X	X
	WO-7@6'		X						X				X							X	X	X	X	X	X
	WO-8@11.5'		X						X				X							X	X	X	X		
	WO-9@6'		X						X				X							X	X	X	X		
	WO-10@11.5'		X						X				X							X	X	X	X		
	WO-11@13'		X						X				X							X	X	X	X	X	X

CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
Charles Pearson	2-11-94 8:30	[signature]	2-11-94 12:00
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

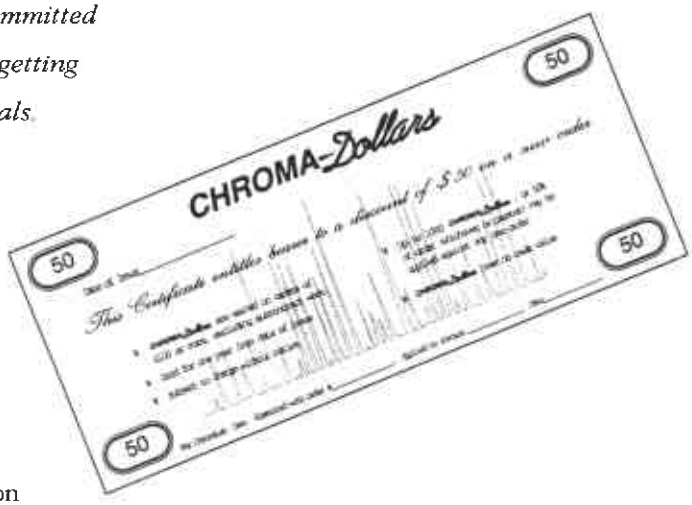
COMMENTS & NOTES:

Subsurface Consultants, Inc.
171 12TH STREET, SUITE 201, OAKLAND, CALIFORNIA 94607
(510) 268-0461 • FAX: 510-268-0137

CHROMA-Notes

Winning Together - Working Together

ChromaLab wants to be part of your team. We are committed to doing everything we can to help you prosper, from getting new projects to accomplishing projects within your goals.



New Way to $ave Money at ChromaLab

ChromaLab is dedicated to helping you get the job done on time and within budget. We realize that some projects are more price sensitive than others, and we always welcome your pricing inquiries. But what about projects that have unforeseen cost? (i.e. you budgered for 5-Day TAT, but now you need 24-Hour.)

The solution is our new program - ChromaDollars. ChromaLab will "bank" 10% of every project you send us, and give you ChromaDollars for that amount.* You can redeem these ChromaDollars on any new project during the next year.

Use them however you want - to land a new client for yourself, to cover unforeseen costs on a job, or give them to someone else at your company.

Whatever your analytical testing needs are, we are here to help. We hope this innovative solution will prove once again our commitment of "Making it Happen" for you.

* on orders of $100 or more, excluding subcontract

Ways to Use CHROMA-Dollars

- When you must analyze more samples than budgeted for
- The samples are now RUSH, instead of the standard 5-days as planned
- You want to get your "foot in the door" with a new client
- You need to lower your price to meet a competitive bid
- You must re-analyze some samples because of a sampling error
- For your customer who does not want to run all the analyses that you suggest

CHROMALAB . . . *Making it Happen*

510 • 831 • 1788

BSK & Associates
7151 Gisler Lane
Building 300
Pleasanton, CA 94566
(510) 462-4000
(510) 462-6283 FAX

April 29, 1994

BSK Job No. P92105.6

Mr. Allen Davis
KSD, Inc.
1850 Union Street, Suite 1599
San Francisco, CA 94123

Re: Concrete Compressive Strength
Getty Residence
2870-2880 Broadway
San Francisco, California

Dear Mr. Davis:

Submitted herewith are the compressive strength test results of drilled concrete cores removed from the pool cast on 3/10/94 at the above referenced project.

We appreciate the opportunity to be of service. If you have questions or comments, please give us a call.

Sincerely,

BSK & Associates

Jim Backman
Director, Construction Inspection
Materials Testing

jb/pc.rep

cc: Subsurface Consultants
Attn: Mr. Scott Leck

Summary of Concrete Compressive Strength Test Results

Core Location Log

Sample Identification #	Sample Location	Test Age, Curing	Date Cored
PC94663	Pool	40 Hours/Wet	04-26-94

COMPRESSIVE STRENGTH DATA

Core #	Dia., in.	Length, in.	Area, sq.in.	L/D Ratio	Correction Factor	Load, lbf.	Strength, psi.
PC94663							
1	2.75	5.74	5.94	2.09	----	18,500	3,110
2	2.75	5.82	5.94	2.11	----	19,000	3,200
3	2.75	5.45	5.94	1.98	----	20,500	3,450
Average	Required F'_c = 5000psi						3,250

Sample Identification #	Average Strength, psi	Required Strength, 85% f'_c Per UBC 2605(g)4D
PC94663	3250	
Average	3250	2550

BSK & Associates

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600 FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

PERMIT NUMBER 94108
LOCATION NUMBER

LOCATION OF PROJECT 2250 Telegraph Avenue
OAKLAND, CA 94574

CLIENT
Name Buttner Properties
Address 600 W. Grand Ave Voice (510) 832-3456
City Oakland, CA Zip 94574

APPLICANT
Name Subsurface Consultants, Inc.
Fax (510) 268-0137
Address 171 - 12th St., #201 Voice (510) 268-0461
City Oakland, CA Zip 94607

TYPE OF PROJECT

Construction		Geotechnical Investigation	
Cathodic Protection		General	
Water Supply		Contamination	
Monitoring	X	Well Destruction	

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
Cable ___ Other ___

DRILLER'S LICENSE NO. 657-582696

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 25 ft.
Surface Seal Depth 10 ft. Number 4

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE 2-23-94
ESTIMATED COMPLETION DATE 2-25-94

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 17 Feb 9
Wyman Hong

WELL DEVELOPMENT FORM

Project Name: 2250 Telegraph Ave
Well Number: MW-1
Job No.: 609.002
Well Casing Diameter: 2 inches
Developed By: C. Pearson
Date: 3-3-94
TOC Elevation: _____
Weather: high clouds / warm

Depth to Casing Bottom (below TOC) 18 feet
Depth to Groundwater (below TOC) 10.39 feet
Feet of Water in Well 7.61 feet
Casing Volume (feet of water x Casing DIA ^{2} x 0.0408) 1.21 gallons
Depth Measurement Method Tape & Paste / (Electronic Sounder) / Other
Development Method Bailer

FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°c)	Conductivity (micromhos/cm)	Salinity S%	Comments
0	6.81	23	112 x10		odor ?
3	6.89	23	132 x10		
4	6.88	23	133 x10		
4.5	6.88	23	136 x10		dry
					recharge = 0.75 ft/hr

Total Gallons Removed 4.5 gallons
Depth to Groundwater After Development (below TOC) 11.8 feet

Subsurface Consultants

JOB NUMBER | DATE | APPROVED | PLATE

WELL DEVELOPMENT FORM

Project Name: 2250 Telegraph Ave Well Number: MW-2

Job No.: 609.002 Well Casing Diameter: 2 inches

Developed By: C. Pearson Date: 3-3-94

TOC Elevation: _____ Weather: high clouds / warm

Depth to Casing Bottom (below TOC) 18 feet

Depth to Groundwater (below TOC) 10.37 feet

Feet of Water in Well 7.63 feet

Casing Volume (feet of water x Casing DIA ^{2} x 0.0408) 1.21 gallons

Depth Measurement Method Tape & Paste / (Electronic Sounder) / Other

Development Method Bailer

FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°c)	Conductivity (micromhos/cm)	Salinity S%	Comments
0	6.81	21	520		definite
3	7.11	21	870		H-C odor
6	7.11	21	840		
8	7.09	20.8	790		
9	7.05	21	700		
11	7.03	21	760		
12	7.02	21	740		

Total Gallons Removed 12 gallons

Depth to Groundwater After Development (below TOC) 11.6 feet

Subsurface Consultants

JOB NUMBER DATE APPROVED PLATE

WELL DEVELOPMENT FORM

Project Name: 2250 Telegraph Ave
Well Number: MW-3
Job No.: 609.002
Well Casing Diameter: 2 inches
Developed By: C. Pearson
Date: 3-3-94
TOC Elevation: _____
Weather: high clouds / warm

Depth to Casing Bottom (below TOC) 18 feet
Depth to Groundwater (below TOC) 9.50 feet
Feet of Water in Well 8.50 feet
Casing Volume (feet of water x Casing DIA ^{2} x 0.0408) 1.36 gallons
Depth Measurement Method Tape & Paste / (Electronic Sounder) / Other
Development Method Bailer

FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°c)	Conductivity (micromhos/cm)	Salinity S%	Comments
0	6.72	22	830		H-C odor
2.5	6.80	21	1550		no sheen
3.5	6.81	21	1490		
4	6.81	21	1510		dry
					recharge = 0.25 ft/hr

Total Gallons Removed 4 gallons
Depth to Groundwater After Development (below TOC) 11.2 feet

Subsurface Consultants

JOB NUMBER | DATE | APPROVED | PLATE

WELL DEVELOPMENT FORM

Project Name: 2250 Telegraph Ave
Well Number: MW-4
Job No.: 609.002
Well Casing Diameter: 2 inches
Developed By: C. Pearson
Date: 3-3-94
TOC Elevation: _____
Weather: high clouds / warm

Depth to Casing Bottom (below TOC) 18 feet
Depth to Groundwater (below TOC) 10.89 feet
Feet of Water in Well 7.11 feet
Casing Volume (feet of water x Casing DIA ² x 0.0408) 1.12 gallons
Depth Measurement Method Tape & Paste / (Electronic Sounder) / Other
Development Method Bailer

FIELD MEASUREMENTS

Gallons Removed	pH	Temp (°c)	Conductivity (micromhos/cm)	Salinity S%	Comments
0	6.64	20.2	155 x10		Strong Odor
1.5	6.66	20.9	162 x10		Slight Sheen
3	6.60	20.9	155 x10		No Free Product
6	6.59	19.9	121 x10		
8	6.59	19.9	121 x10		
10	6.59	19.9	121 x10		

Total Gallons Removed 10 gallons
Depth to Groundwater After Development (below TOC) 11.5 feet

Subsurface Consultants

JOB NUMBER | DATE | APPROVED | PLATE