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**LETTER OF TRANSMITTAL**

TO:

Madullah Logan  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94501

DATE:

January 18, 1996

PROJECT

Shiloh Christian Fellowship

SCI JOB NUMBER:

971.001

**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
- see below

- 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:**

Enclosed are: Tables 1 and 2  
Field Report copies  
Analytical Reports (2)

**COPIES TO:**

*Jenny Alexander*  
*268-0468*  
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BY: *Jerianne Alexander*  
Jerianne Alexander

**Subsurface Consultants, Inc.**

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

10-20 01 01 1996  
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**Table 1.  
Contaminant Concentrations in Soil  
Gasoline Tank Area**

<u>Sample Designation</u>	<u>Sample Date</u>	<u>Depth (feet)</u>	<u>TVH as Gasoline (mg/kg)</u>	<u>Benzene (µg/kg)</u>	<u>Toluene (µg/kg)</u>	<u>Ethyl-Benzene (µg/kg)</u>	<u>Xylenes (µg/kg)</u>	<u>Lead mg/kg</u>
<b><u>Tank Removal Samples</u></b>								
A1	5/24/95	7'	2,200	40,000	190,000	40,000	160,000	41
A2	5/24/95	7'	210	<25	<25	2,900	440	2.4
B-1	5/24/95	7'	2,200	<300	<300	24,000	21,000	5.6
B-2	5/24/95	7'	15	<5	<5	180	93	1.8
<b><u>Pipeline Location Samples</u></b>								
A-P1	5/24/95	1'	<1	<5	<5	<5	<5	3.3
BP-1	5/24/95	1'	<1	<5	<5	<5	<5	2.0
<b><u>Supplemental Excavation Samples</u></b>								
AB-1	5/25/95	12'	76	<5	<5	290	68	3.0
AB-2	5/25/95	12'	6	<5	<5	<5	23	2.9
AB-3	5/25/95	12'	12	9	ND	110	41	2.8
AB-4	5/25/95	12'	13	<5	64	120	320	2.0
AB-5	5/25/95	13'	13	43	280	150	720	4.0
AB-6	5/25/95	13'	18	<5	<5	130	110	3.2

<1 = Chemical not present at a concentration greater than laboratory detection limit stated.  
 mg/kg = Milligrams per kilogram = parts per million  
 µg/kg = Micrograms per kilogram = parts per billion

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**Table 2.  
Contaminant Concentration in Soil  
Waste Oil Tank Area**

<u>Petroleum Hydrocarbons</u>	<u>C-1 @ 8'</u>
TVH as gasoline	21 mg/kg
Oil and grease	1300 mg/kg
TEH as diesel	160 mg/kg*
 <u>Semi Volatile Organics EPA 8270</u>	
Napthalene	430 ug/kg
2-methylnapthalene	400 ug/kg
Pyrene	210 ug/kg
Other EPA 8270 Compounds	ND
 <u>Volatile Organics EPA 8240</u>	
Acetone	200 ug/kg
Benzene	110 ug/kg
Tetrachloroethene	16 ug/kg
Toluene	570 ug/kg
Ethylbenzene	960 ug/kg
Xylenes	2900 ug/kg
Other EPA 8240 Compounds	ND
 <u>Metals</u>	
Arsenic	3.2 mg/kg
Barium	100 mg/kg
Beryllium	0.72 mg/kg
Cadmium	1.5 mg/kg
Chromium (Total)	50 mg/kg
Cobalt	14 mg/kg
Copper	45 mg/kg
Lead	62 mg/kg
Nickel	100 mg/kg
Vanadium	72 mg/kg
Zinc	140 mg/kg
Other Metals	ND

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\* = Sample chromatogram does not match diesel standard

mg/kg = Milligrams per kilogram = parts per million

µg/kg = Micrograms per kilogram = parts per billion

ND = Not detected, chemical not present at a concentration greater than laboratory detection limits present on test reports