UNDERGROUND TANK REMOVAL AND
SUPPLEMENTAL EXCAVATION REPORT
MAPLE AVENUE AT SCHOOL STREET
OAKLAND, CALIFORNIA
SCI 971.001

Oct 22, 96

Prepared for:

Mr. Robert Duggans
Shiloh Christian Fellowship
3295 School Street
Oakland, California 94602

By:

Samuel C. Won
Project Engineer

Jeriann N. Alexander
Civil Engineer 40469 (exp. 3/31/99)
Registered Environmental Assessor 03130 (expires 6/30/97)

REGISTERED PROFESSIONAL ENGINEER
JERIANN N. ALEXANDER
No. C040469
Exp. _____
CIVIL
STATE OF CALIFORNIA

REGISTERED ENVIRONMENTAL ASSESSOR
JERIANN N. ALEXANDER
NO. REA-03130
Expires: _____
STATE OF CALIFORNIA

Subsurface Consultants, Inc.
171 - 12th Street, Suite 201
Oakland, California 94607
(510) 268-0461

October 22, 1996

I INTRODUCTION

This report summarizes services performed by Subsurface Consultants, Inc. (SCI) during underground storage tank (UST) removal activities at the northeast corner of the intersection of Maple Avenue and School Street in Oakland, California. Two 750-gallon leaded gasoline tanks and one 250-gallon waste oil tank were removed from the site on May 24, 1995. Supplemental excavations of the gasoline tank and waste oil tank areas were conducted on May 25, 1995 and March 22, 1996, respectively. SCI was retained by Shiloh Christian Fellowship, the property owner to (1) observe the removal of the USTs and associated product lines, (2) obtain samples as required by Alameda County Health Care Services Agency (ACHCSA), and (3) to observe backfill placement and perform field density tests on the compacted backfill. UST areas are shown on the Site Plan, Plate 1.

II TANK REMOVAL

The two unleaded gasoline USTs were situated beneath an asphalt parking area at the western edge of the site along School Street. A fuel island was located in between the gasoline USTs and the service station building. A waste oil tank was located immediately north of the service station building, and adjacent to the east wall of the building structure. A description of each tank is presented below:

Tank Descriptions

Tank	Tank Contents	Tank Material	Capacity (gallons)	Diameter (feet)	Length (feet)
A	Leaded gasoline	Single wall steel	750	4	8
B	Leaded gasoline	Single wall steel	750	4	8
C	Waste oil	Single wall steel	250	3	4

Prior to site activities, tank removal permits were obtained from ACHCSA and the City of Oakland Fire Department (OFD) by the tank removal contractor, General Environmental Services (GEMS) of Pittsburgh, California. An SCI field technician was on site full-time to observe removal activities and obtain the required soil samples for analysis.

GEMS began tank removal activities on May 24, 1995. Asphalt pavement overlying the tanks was cut and removed. Fill material in the cavity was excavated to the tops of the tanks, which were situated approximately three feet below grade. Fill material and soil surrounding the USTs were excavated and stockpiled on-site. Initially, residual product and water within the gasoline USTs were removed. To reduce the possibility of combustion during removal and transportation, dry ice was placed inside the tanks to purge residual vapors. Tank atmospheres were monitored by SCI using a combustible gas meter to confirm that the atmosphere were about 10 percent of the lower explosive limit (LEL) prior to removal. ACHCSA personnel, Ms. Amy Leech and OFD representative, Ms. Joan Austin, were present to witness and document the removal of the USTs.

GEMS removed each UST by attaching chains to the top of the UST and lifting them out of the excavation. After removal, each UST was observed by ACHCSA, OFD, and SCI representatives. A large gash was observed in one of the 750-gallon gasoline UST (Tank A), as a result from damage sustained during removal. With this exception, Tank A appeared to be in good condition except for some slight pitting. Heavy pitting and small 1/8-inch diameter holes were noted on the bottom of Tank B. Soil beneath Tank B was stained and exhibited strong petroleum hydrocarbon odor.

Prior to its removal, the top of the waste oil tank was cut so that approximately 170 gallons of sludge could be removed from the tank. Erickson, Inc., a licensed hazardous waste hauler, performed the sludge removal and provided off-site transportation to their disposal facility. Observation of the waste oil tank surface revealed no visible holes nor pitting.

The three USTs were transported by Erickson, Inc., and disposed of at its' recycling facilities in Richmond, California. Copies of the manifests are attached. Product fuel piping and the fuel island dispensers were also removed and properly handled.

After removal of the gasoline USTs, water was observed within the Tank A excavation. In consultation with the ACHCSA, this water was determined to be either perched tank residual or surface water and therefore not representative of the shallow aquifer. Water was not observed in the waste oil tank excavation.

III ENVIRONMENTAL SAMPLING AND ANALYSIS

Soil samples were obtained following tank removal activities in accordance with the Tri-Regional Board Staff recommendations dated August 10, 1990. Sampling protocols are presented in Appendix A. A water sample was obtained from within the Tank A excavation. The samples were selected and placed in an ice filled container for shipment. Selected samples were transported to Curtis & Tompkins, Ltd. of Berkeley, California, a California Department of Health Services (DHS) certified laboratory for laboratory testing. Copies of the analytical reports and Chain-of-Custody records are attached.

A. Gasoline Tank and Dispenser Areas

A total of six soil samples were collected and analyzed from the gasoline tank cavity following tank removal. One soil sample was collected beneath each end of Tanks A and B at approximately 7 feet below the ground surface (bgs). Two soil samples (A-P1 and AP-2) were collected beneath the associated product piping at approximately 1 feet bgs. Plate 2 shows the soil sample locations. The samples were analyzed for the following:

1. Total volatile hydrocarbons (TVH) by California DHS Modified EPA 8015/5030,
2. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA 8020/5030, and
3. Total lead (EPA 6010).

Results of these analysis are summarized in Table 1. The highest hydrocarbon concentrations were found in soil samples A-1 and B-1. Soil sample A-1 and B-1 contained TVH at 2,000 mg/kg and total BTEX concentrations ranging from 21 mg/kg to 190 mg/kg.

B. Waste Oil Tank Area

One soil sample (C-1) was collected from the waste oil tank cavity. The samples was obtained from the fill end side at approximately 8 feet bgs. The soil sample was submitted to Curtis & Tompkins, Ltd., and analyzed for the following:

1. Total volatile hydrocarbons (TVH) and TEH as diesel by California DHS Modified EPA 8015/5030,
2. California Title 22 Metals by EPA Methods 6010 and 7471,
3. Total oil and grease (TOG) by EPA Method 5520,
4. Semi-volatile organics by EPA Method 8270, and
5. Aromatic and halogenated volatile organics (VOCs) by EPA Method 8240.

Results of these analyses are summarized in Tables 2 and 3. The analyses indicated that TVH was present at a concentration of 21 mg/kg. Diesel and TOG were detected at 1.3 mg/kg and 1,300 mg/kg, respectively. Total BTEX concentrations ranged from 0.11 to 2.9 mg/kg. Low concentrations of VOCs were also detected and consisted of acetone at 0.2 mg/kg, tetrachloroethene (PCE) at 0.016 mg/kg, naphthalene at 0.43 mg/kg, and 2-methylnapthalene at 0.4 mg/kg.

IV SUPPLEMENTAL EXCAVATION AND BACKFILLING

A. Gasoline Tank Area

On May 24 and 25, 1995, the tank excavation was overexcavated to practical limits to remove impacted soil from beneath the former USTs. The excavation extended within 2 feet of the School Street and Maple Avenue sidewalks. The excavation extended to a maximum depth of 13 feet. The

limits of excavation are presented in Plate 2. Approximately 40 cubic yards of gasoline-impacted soil mixed with fill were excavated and stockpiled on-site. Six confirmation soil samples (AB-1 to AB-6) were collected from the excavation side walls and from the bottom of the excavation to verify the effectiveness overexcavation. Soil sample locations are shown in Plate 1. Analytical test results of confirmation samples are summarized in Table 1. Laboratory analyses indicated that the TVH concentrations ranged from 6.2 mg/kg to 76 mg/kg. BTEX concentrations ranged from less than 5 ug/kg to 720 ug/kg.

After soil sampling, the excavation was backfilled with imported aggregate base material, compacted to at least 90 percent relative compaction in accordance with the ASTM D1556 test procedure.

B. <u>Waste Oil Tank Area</u>

At the request of ACHCSA, addition excavation and confirmation soil sampling were performed at the waste oil tank excavation on March 22, 1996. Five soil samples were collect from the excavation, four samples (C3 to C6) from the sidewalls and one (C2) from the excavation bottom at a depth of approximately 10 feet bgs. The laboratory analytical results are presented in Table 2. Laboratory analyses indicated that concentrations of total oil and grease, volatile organic compounds, and semi-volatile organic compounds were not greater than method detection limits.

Approximately 20 cubic yards of soil was excavated from the waste oil tank location and stockpiled on-site separate from the gasoline impacted soil. At the conclusion of sampling, the excavation was backfilled with aggregate base material and compacted to at least 90 percent relative compaction in accordance with ASTM D1556 test procedure.

V SOIL DISPOSAL

Excavation activities in the gasoline and waste oil tank areas resulted in the removal of approximately 60 cubic yards of soil. Composite soil samples COMP-SP-(1,2,3,4) and COMP-SP-(5,6,7,8) were collected from the waste oil and gasoline impacted soil stockpiles, respectively. Analytical test results from stockpile sampling are presented in Tables 1 and 2. Browning-Ferris Industries (BFI) the operator of a Class II/III landfill in Livermore, California, preapproved the soil into their facility. The soil was transported under non-hazardous waste manifests to the BFI Vasco Road facility by Rogers Trucks & Equipment on March 22, 1996. Copies of the manifests are presented in Appendix A.

VI DISCUSSION AND CONCLUSION

A. Gasoline Tank Area

Soil encountered during excavation of the gasoline USTs was impacted with gasoline range petroleum hydrocarbons and BTEX. Soils left in-place at the practical limits of excavation, contain relatively low concentrations of the contaminants of concern. The maximum contaminant concentrations left in-place are summarized below:

Constituent	Maximum Contaminant Concentrations in Soil Left in Place in Gasoline Tank Area (mg/kg)
TVH	76
Benzene	0.042
Toluene	0.28
Ethylbenzene	0.29
Total xylenes	0.32 0.72 max

B. Waste Oil Tank Excavation

The test results indicate that native soils beneath the waste oil tank do not contain petroleum hydrocarbons or other common waste oil constituents. Test results did not indicate the presence of petroleum hydrocarbons, VOCs, and SVOCs above laboratory detection limits. On this basis, overexcavation appeared to successfully remediate the soil in the waste oil tank area. In our opinion additional remedial nor investigation work in this area is unwarranted.

C. Future Site Use

The service station building has been demolished in preparation for the construction of a parking lot. All remaining soil stockpiles, demolition debris, and abandoned utility conduits have been removed from the site. The cleared lot has been graded and is awaiting the placement of aggregate base materials and an asphalt surface pavement. Once constructed, the site will be used for supplemental parking by Shiloh Christian Fellowship.

List of Attached Tables:

Table 1 - Hydrocarbon, BTXE and Lead Concentrations in Soil from Gasoline Tank Area
Table 2 - Hydrocarbon, Volatile and Semi-Volatile Compound Concentrations in Soil from Waste Oil Tank Area
Table 3 - Metal Concentrations in Soil from Waste Oil Tank Area

Attached Plates:

Figure 1 - Site Plan
Figure 2 - Detail A and Detail B

Appendix:

Hazardous Waste Manifests
Laboratory Analytical Reports

Distribution:

2 copies: Mr. Robert Duggans
Shiloh Christian Fellowship
3295 School Street
Oakland, California 94602

1 copy: Ms. Amy Leech
Alameda County Health
Care Services Agency
1131 Harbor Bay Parkway #250
Alameda, California 94502-6577

JNA:SW:clh

Table 1
Hydrocarbon, BTXE and Lead Concentrations
in Soil From Gasoline Tank Area
3295 School Street, Oakland, California

	TVH mg/kg	Benzene ug/kg	Toluene ug/kg	Ethyl-benzene ug/kg	Total Xylenes ug/kg	Total Lead mg/kg
Removal 5/24/95						
A1 @ 7'	2,000	40,000	190,000	40,000	160,000	41.0
A2 @ 7'	210	<25	<25	2,900	490	2.4
B-1 @ 7'	2,200	<300	<300	24,000	21,000	5.6
B-2 @ 7'	15	<5	<5	180	93	1.8
Pipeline 5/24/95						
A-P1 @ 1'	<1.0	<5	<5	<5	<5	3.3
BP-1 @ 1'	<1.0	<5	<5	<5	<5	2.0
Overexcavation 5/25/95						
AB-1 @ 12'	76	<5	<5	290	68	3.0
AB-2 @ 12'	6.2	<5	<5	<5	23	2.9
AB-3 @ 12'	12	9.1	<5	110	41	2.8
AB-4 @ 12'	13	<5	64	120	320	2.0
AB-5 @ 12'	13	43	280	150	720	4.0
AB-6 @ 12'	18	<5	<5	130	110	3.2
Stockpile 5/30/95						
COMP-SP-(5,6,7,8)	19	<5	<5	<5	240	21

TVH = Total volatile hydrocarbons
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
<25 = Analyte not present at a concentration above the reporting limit shown

Table 2
Hydrocarbon, Volatile and Semi-Volatile Compound Concentrations in Soil From Waste Oil Tank Area
3295 School Street, Oakland, California

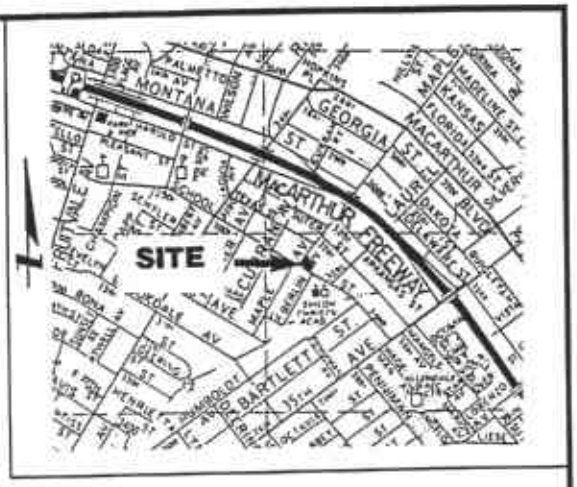
	TVH mg/kg	TEH mg/kg	TOG mg/kg	Benzene ug/kg	Toluene ug/kg	Ethyl-benzene ug/kg	Total Xylene ug/kg	Acetone ug/kg	PCE ug/kg	Other 8240	Naphthalene ug/kg	2-Methyl-naphthalene ug/kg	Other 8270
Removal 5/24/95													
C-1 @ 8'	21	160	1,300	110	570	960	2,900	200	16	ND	430	400	ND
Overexcavation 3/22/96													
C2 @ 10'	--	--	<50	<5	<5	<5	<5	<20	<5	ND	<330	<330	ND
C3 @ 10'	--	--	<50	<5	<5	<5	<5	<20	<5	ND	<330	<330	ND
C4 @ 10'	--	--	<50	<5	<5	<5	<5	<20	<5	ND	<330	<330	ND
C5 @ 10'	--	--	<50	<5	<5	<5	<5	<20	<5	ND	<330	<330	ND
C6 @ 10'	--	--	<50	<5	<5	<5	<5	<20	<5	ND	<330	<330	ND
Stockpile 5/30/95													
COMP-SP-(1,2,3,4)	270	530	2,300	<250	2,400	3,100	25,000	<1,000	250	ND	3,300	4,100	ND

TVH = Total volatile hydrocarbons
TEH = Total extractable hydrocarbons
TOG = Total oil and grease
PCE = Tetrachloroethene
ND = Not detected above reporting limit
<50 = Analyte not detected above reporting limit
Pyrene detected at 210 (mg/kg), below the reporting limit of 330 mg/kg
Sample chromatogram does not resemble diesel standard. Oil range components contribute to diesel result

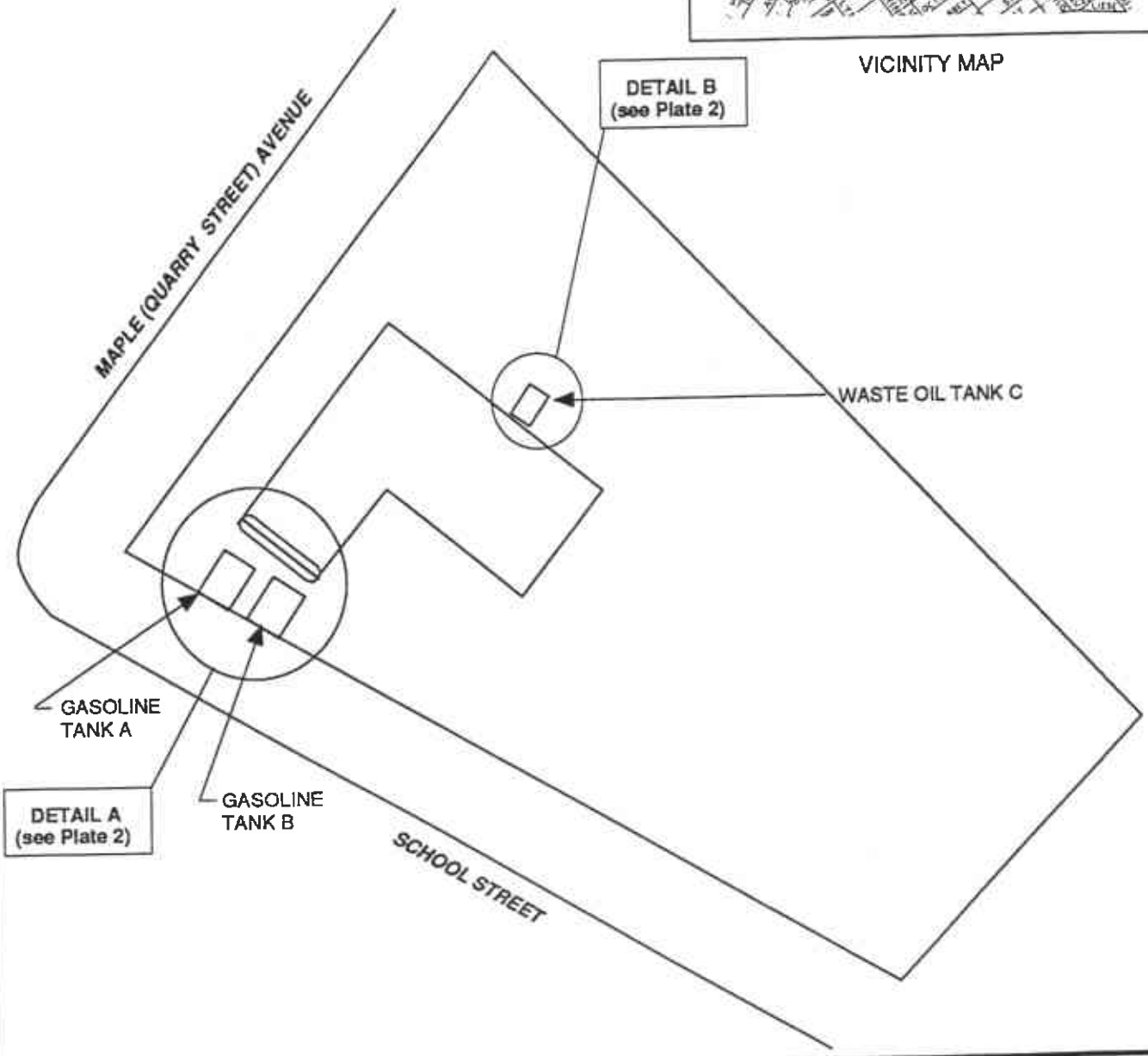
Table 3
Metal Concentrations in Soil From
Waste Oil Tank Area
3295 School Street, Oakland, California
May 24, 1995

C-1 @ 8'	Result mg/kg
Antimony	<5.9
Arsenic	3.2
Barium	100
Beryllium	0.72
Cadmium	1.5
Chromium (total)	50
Cobalt	14
Copper	45
Lead	62
Mercury	<0.10
Molybdenum	<0.98
Nickel	100
Selenium	<0.25
Silver	<0.49
Thallium	<0.25
Vanadium	72
Zinc	140
Comp 1,2,3,4	
STLC Chromium	<0.5

<0.10 = Analyte not present at a concentration above the reporting limit shown.



VICINITY MAP



N

APPROXIMATE SCALE IN FEET

0 20 40

SITE PLAN

Subsurface Consultants

SHILOH CHRISTIAN FELLOWSHIP
OAKLAND, CA

JOB NUMBER	DATE	APPROVED
971.001	5/7/96	

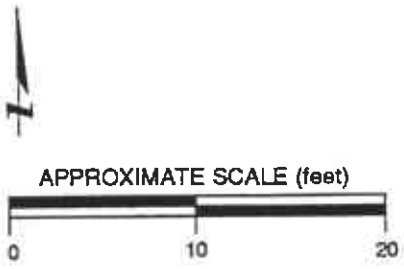
PLATE 1

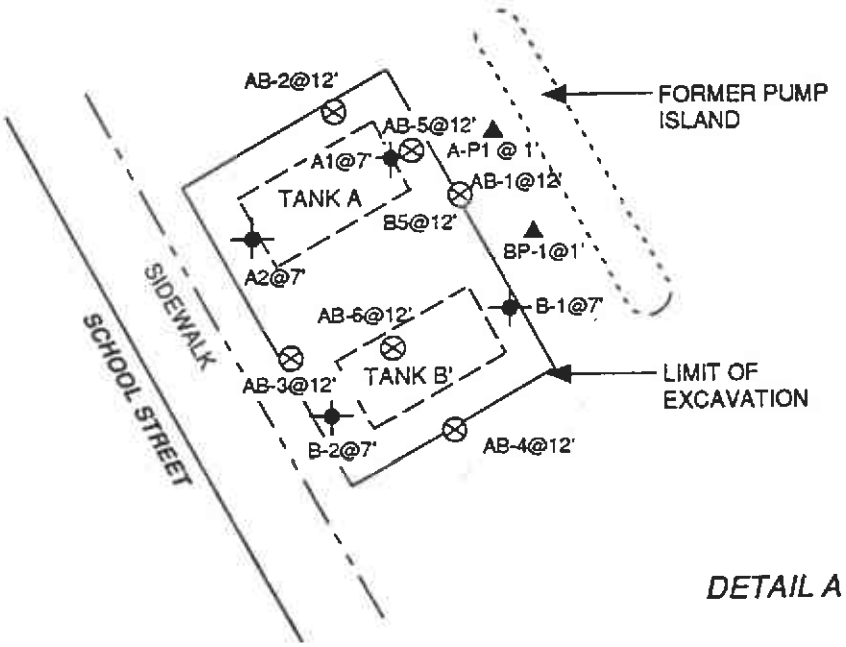
A1@7' TANK SOIL SAMPLE LOCATION (5/24/95)

AB-1@7' CONFIRMATION SOIL SAMPLE LOCATION (5/25/95)

BP1@1' PRODUCT LINE SOIL SAMPLE LOCATION (5/24/95)

PROPERTY BOUNDARY LINE

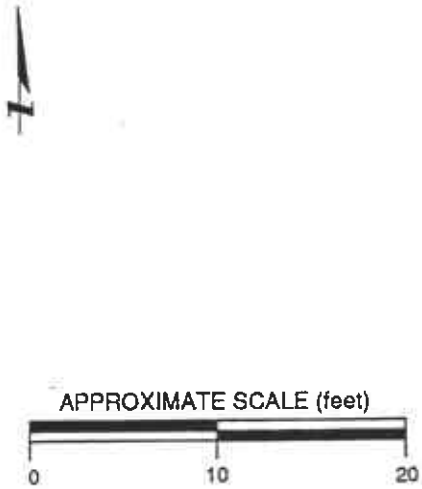


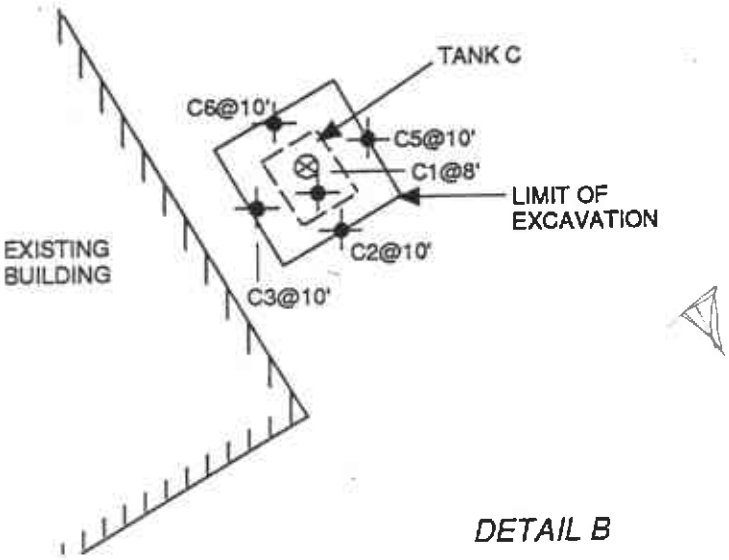


DETAIL A

C1@8' TANK SOIL SAMPLE LOCATION (5/24/95)

C5@10' CONFIRMATION SOIL SAMPLE LOCATION (3/22/96)





DETAIL B

DETAIL A AND DETAIL B

Subsurface Consultants

SHILOH CHRISTIAN FELLOWSHIP
OAKLAND, CA

JOB NUMBER	DATE	APPROVED
971.001	5/7/96	

PLATE 2

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Contr
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000818552 Manifest Document No. 013415
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Shiloh Christian Fellowship Inc.
3295 School ST.
Oakland, CA. 94602

4. Generator's Phone (510) 261-2052

A. State Manifest Document Number 93480345
B. State Generator's ID
C. State Transporter's ID 427428
D. Transporter's Phone 510 235 1393
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (510)235-1393

5. Transporter 1 Company Name: Erickson Inc.
6. US EPA ID Number: CAD009466392
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, CA. 94801
10. US EPA ID Number: CAD009466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste Number
a. NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.	003	T	P 2/1000	P	State 512 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Qty. 3 Empty Storage Tank(s)#15800 15801, 15802 Tank(s) have been inerted with 15 lbs. Dry Ice Per 1000 Gallon Capacity. t

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

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name Bob Duggins & Phone 510-458-5381

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

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

Printed/Typed Name	Signature	Month	Day	Year
Robert C. Duggins	Robert C Duggins	05	14	95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Stanley D Wiles	Stanley D Wiles	05	14	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

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

93480345

DTSC 8022A (9/93)
EPA 8700—22

Yellow: GENERATOR RETAINS

VASCO ROAD SANITARY LANDFILL No: 807484

A DIVISION OF BF BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 03-22-96 Time In: 09:00:44 Time Out: 09:51:06
Ticket # : A07226 CMS # : 1013804 LMS #: 1013804
Customer : SHILOH CHRISTIAN FELLOWSHIP
Vehicle # : R94 Lic Plate:
SPECIAL
Manifest # : 907473 PO #: SHILOH Transporter: 0
Source Cd : Generator : SCF SHILOH CHRISTIAN FELLOWSHIP
Comment : Operator: NOEL
Capacity : 20.00 yd Scale In # : 1 Scale Out #: 2
Gross Wt : 38.65 Tare Wt: 16.27 Net Wt: 22.38 tn

Descr	Actual	Bill Qty	$/Unit	Extended
SOIL	18.00	22.38 TN	20.00000	447.60
Sub Total..... $				447.60
Total..... $				447.60

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

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 salveging allowed.

Ninôs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

BFI

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 907473

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: SHILOH CHRISTIAN FELLOWSHIP
b. Generating Location: SHILOH CHRISTIAN FELLOWSHIP
c. Address: 3295 SCHOOL STREET
OAKLAND, CA 94602
d. Address: ~~3250~~ 3250 SCHOOL STREET
OAKLAND CA 94602
e. Phone No.: 510/261-2052
f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: CA 405 012496 240267 Containers

j. Description of Waste: SOIL W/ GASOLINE
k. Quantity: Units: No.: TYPE:

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material 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; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

ROBERT C. DUGGINS — Generator Authorized Agent Name
Robert C Duggins — Signature
032296 — Shipment Date

Section II — TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: ROGERS TRUCKS & EQUIP.
b. Address: PO BOX 2567
SO SAN FRANCISCO CA 94083-2567
c. Driver Name/Title: (PRINT/TYPE)
d. Phone No.: 510/952-6809
e. Truck No.: P-94
f. Vehicle License No./State: 9:33110
Acknowledgement of Receipt of Materials.
g. Driver Signature — Shipment Date: 032296

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (PRINT/TYPE)
k. Phone No.:
l. Truck No.:
m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
n. Driver Signature — Shipment Date

Section III — DESTINATION (Generator completes a-d, destination site completes e-f.)

a. Site Name: VASCO ROAD LAND FILL
c. Phone No.: 510/447-0491
b. Physical Address: 4001 N. VASCO ROAD
LIVERMORE, CA 94505
d. Mailing Address

e. Discrepancy Indication Space:

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

f. Name of Authorized Agent — Signature — Receipt Date: 032296

Section IV — ASBESTOS (Generator complete a-d, f, g, Operator* completes e.)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

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

e. Operator's* Name & Title: (Print/Type) — Operator's Signature — Date
f. Name and Address of Responsible Agency:
g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

VASCO ROAD SANITARY LANDFILL No: 807485

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 03-22-96 Time In: 09:18:13 Time Out: 09:52:53
Ticket # : A07246 CMS # : 1013804 LMS #: 1013804
Customer : SHILOH CHRISTIAN FELLOWSHIP
Vehicle # : R95 Lic Plate:
SPECIAL
Manifest # : 907474 PO #: SHILOH Transporter: D
Source Cd : Generator : SCF SHILOH CHRISTIAN FELLOWSHIP
Comment : Operator: NOEL
Capacity : 20.00 yd Scale In # : 1 Scale Out #: 2
Gross Wt : 35.69 Tare Wt: 18.95 Net Wt: 16.74 tn

Descr	Actual	Bill Qty	$/Unit	Extended
SOIL	12.00	16.74 TN	20.00000	334.80

Sub Total..... $ 334.80

Total..... $ 334.80

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

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 s todas horas.

No se permite llevar cosas del dompe absolutamente.

RIVER

CUSTOMER

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 907474

Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: Shiloh Christian Fellowship
b. Generating Location: Shiloh Christian Fellowship
c. Address: 3295 School Street
Oakland, CA 94602
d. Address: 3250 School Street
Oakland, CA 94602
e. Phone No.: 510/261-2052
f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: CA 405 01249 6 240267 Containers

j. Description of Waste: Soil w/Gasoline
k. Quantity: Units: No.: TYPE:

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material 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; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robert C. Daggett — Robert C. Daggett — 03296
Generator Authorized Agent Name — Signature — Shipment Date

Section II TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: Rogers
b. Address: PO Box 2567
So. San Francisco CA 94083-2587
c. Driver Name/Title: PETER METHENY (PRINT/TYPE)
d. Phone No.: 510/952-6309
e. Truck No.: R-95
f. Vehicle License No./State: 9C16965

Acknowledgement of Receipt of Materials.

g. Driver Signature — 3-22-96 Shipment Date

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (PRINT/TYPE)
k. Phone No.:
l. Truck No.:
m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III DESTINATION (Generator completes a-d, destination site completes e-f.)

a. Site Name: Vasco Road Landfill
b. Physical Address: 4001 N. Vasco Road
Livermore CA 94505
c. Phone No.: 510/447-0491
d. Mailing Address

e. Discrepancy Indication Space:

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

f. Name of Authorized Agent — Signature — 03296 Receipt Date

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e.)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

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

e. Operator's* Name & Title: (Print/Type) — Operator's Signature — Date

f. Name and Address of Responsible Agency:

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

VASCO ROAD SANITARY LANDFILL No: 807579

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 03-22-96 Time In: 12:11:35 Time Out: 12:11:35
Ticket # : A07365 CMS # : 1013804 LMS #: 1013804
Customer : SHILOH CHRISTIAN FELLOWSHIP
Vehicle # : R94 Lic Plate:
SPECIAL
Manifest # : 907475 PO #: SHILOH Transporter: 0
Source Cd : Generator : SCF SHILOH CHRISTIAN FELLOWSHIP
Comment : Operator: NOEL
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 37.12 Tare Wt: 16.27 Net Wt: 20.85 tn

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.

Descr	Actual	Bill Qty	$/Unit	Extended
SOIL	16.00	20.85 TN	20.00000	417.00
Sub Total..... $				417.00
Total..... $				417.00

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

Ninôs deben de permaneceren en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

DRIVER

CUSTOMER

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 907475

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Shiloh Christian Fellowship
b. Generating Location: Shiloh Christian Fellowship
c. Address: 3295 School Street, Oakland CA 94602
d. Address: 3250 School Street, Oakland CA 94602
e. Phone No.: 510/261-2052
f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: CA 405 012496 240267 Containers

j. Description of Waste: Soil

k. Quantity | Units | No. | TYPE

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material 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; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robert C. Diggins — Generator Authorized Agent Name
Robert C. Diggins — Signature
032296 — Shipment Date

Section II — TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: Rogers Trucks & Equipment
b. Address: PO Box 2567, San Francisco CA 94083-2567
c. Driver Name/Title: M. Rogers (PRINT/TYPE)
d. Phone No.: 415/952-1800
e. Truck No.: 29
f. Vehicle License No./State: 9C33110
Acknowledgement of Receipt of Materials.
g. Driver Signature — Shipment Date: 032296

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (PRINT/TYPE)
k. Phone No.:
l. Truck No.:
m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
n. Driver Signature — Shipment Date:

Section III — DESTINATION (Generator completes a-d, destination site completes e-f.)

a. Site Name: Vasco Road Landfill
b. Physical Address: 4001 N. Vasco Road, Livermore, CA 94505
c. Phone No.: 510/447-0491
d. Mailing Address
e. Discrepancy Indication Space:

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

f. Name of Authorized Agent — Signature — Receipt Date: 032296

Section IV — ASBESTOS (Generator complete a-d, f, g, Operator* completes e.)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

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

e. Operator's* Name & Title: (Print/Type) — Operator's Signature — Date

f. Name and Address of Responsible Agency:

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

VASCO ROAD SANITARY LANDFILL No: 807605

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 03-22-96 Time In: 12:35:09 Time Out: 12:35:09
Ticket # : A07392 CMS # : 1013804 LMS #: 1013804
Customer : SHILOH CHRISTIAN FELLOWSHIP
Vehicle # : R95 Lic Plate:
SPECIAL
Manifest # : 907476 PO #: Transporter: D
Source Cd : Generator : SCF SHILOH CHRISTIAN FELLOWSHIP
Consent : Operator: RAY
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 33.55 Tare Wt: 18.95 Net Wt: 14.60 tn

Descr	Actual	Bill Qty	$/Unit	Extended
SOIL	12.00	14.60 TN	20.00000	292.00
Sub Total..... $				292.00
Total..... $				292.00

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

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 permaneceran en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 907476

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Shiloh Christian Fellowship
b. Generating Location: Shiloh Christian Fellowship
c. Address: 3295 School Street, Oakland, CA 94602
d. Address: 3250 School Street, Oakland, CA 94602
e. Phone No.: 510/261-2052
f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: CA 405 012496 240267 Containers

j. Description of Waste: Soil/Gas

k. Quantity | Units | No. | TYPE

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M³ - CUBIC METERS; Y³ - CUBIC YARDS; O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material 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; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robert C Dugger — Generator Authorized Agent Name | Signature | 03/29/96 Shipment Date

Section II — TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: Rogers Trucking & Equipment
b. Address: PO Box 2567, So. San Francisco, CA 94083-2567
c. Driver Name/Title: PETE LOI MECHANIC (PRINT/TYPE)
d. Phone No.: 415/952-1800 e. Truck No.: R-95
f. Vehicle License No./State: 901695
Acknowledgement of Receipt of Materials.
g. Driver Signature | 3/29/96 Shipment Date

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (PRINT/TYPE)
k. Phone No.: l. Truck No.:
m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
n. Driver Signature | Shipment Date

Section III — DESTINATION (Generator completes a-d, destination site completes e-f.)

a. Site Name: Vasco Road Land Fill
b. Physical Address: 4001 N. Vasco Road, Livermore, CA 94505
c. Phone No.: 510/447-0491
d. Mailing Address

e. Discrepancy Indication Space:

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

f. Name of Authorized Agent | Signature | 3/29/96 Receipt Date

Section IV — ASBESTOS (Generator complete a-d, f, g, Operator* completes e.)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

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

e. Operator's* Name & Title: (Print/Type) | (Operator's Signature) | Date

f. Name and Address of Responsible Agency:

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

VASCO ROAD SANITARY LANDFILL No: 807700

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 03-22-96 Time In: 15:31:36 Time Out: 15:31:36
Ticket # : A07483 CNS # : 1013804 LNS #: 1013804
Customer : SHILOH CHRISTIAN FELLOWSHIP
Vehicle # : R94 Lic Plate:
SPECIAL
Manifest # : 907477 PO #: SHILOH Transporter: 0
Source Cd : Generator : SCF SHILOH CHRISTIAN FELLOWSHIP
Comment : Operator: NOEL
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 43.20 Tare Wt: 16.27 Net Wt: 26.93 tn

Descr	Actual	Bill Qty	$/Unit	Extended
SOIL	20.00	26.93 TN	20.00000	538.60
Sub Total..... $				538.60
Total..... $				538.60

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

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.

Ninos deben de permanecersen en los carros a todas horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 907477

Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: Shiloh Christian Fellowship
b. Generating Location: Shiloh Christian Fellowship
c. Address: 3295 School Street
Oakland, CA 94602
d. Address: 3250 School Street
Oakland CA 94602
e. Phone No.: 510/261-2052
f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: CA 405 012496 240267 Containers

j. Description of Waste: Soil

k. Quantity | Units | No. | TYPE

TYPE: DM - METAL DRUM; DP - PLASTIC DRUM; B - BAG; BA - 6 MIL. PLASTIC BAG or WRAP; T - TRUCK; O - OTHER

UNITS: P - POUNDS; Y - YARDS; M^3 - CUBIC METERS; Y^3 - CUBIC YARDS; O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material 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; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robert C. D. Gross — Generator Authorized Agent Name
Signature
Shipment Date: 03/29/96

Section II TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: Rogers Trucks & Equipment
b. Address: PO Box 2567
So. San Francisco CA 94083-2567
c. Driver Name/Title: Marco Kowalczyk (PRINT/TYPE)
d. Phone No.: 415/952-1800
e. Truck No.: 294
f. Vehicle License No./State: 9C33110

Acknowledgement of Receipt of Materials.

g. Driver Signature
Shipment Date: 03/29/96

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (PRINT/TYPE)
k. Phone No.:
l. Truck No.:
m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature
Shipment Date:

Section III DESTINATION (Generator completes a-d, destination site completes e-f.)

a. Site Name: Vasco Road Landfill
b. Physical Address: 4001 N. Vasco Road
Livermore, CA 94505
c. Phone No.: 510/447-0491
d. Mailing Address

e. Discrepancy Indication Space:

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

f. Name of Authorized Agent
Signature
Receipt Date: 03/29/96

Section IV ASBESTOS (Generator complete a-d, f, g, Operator* completes e.)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

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

e. Operator's* Name & Title: (Print/Type)
Operator's Signature
Date

f. Name and Address of Responsible Agency:

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

VASCO ROAD SANITARY LANDFILL No: 807719

A DIVISION OF BFI® BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Date : 03-22-96 Time In: 16:22:32 Time Out: 16:22:32
Ticket # : A07503 CMS # : 1013804 LMS #: 1013804
Customer : SHILOH CHRISTIAN FELLOWSHIP
Vehicle # : R95 Lic Plate:
SPECIAL
Manifest # : 907478 PO #: SHILOH Transporter: 0
Source Cd : Generator : SCF SHILOH CHRISTIAN FELLOWSHIP
Comment : Operator: NOEL
Capacity : 20.00 yd Scale In # : 1 Scale Out #: Stored
Gross Wt : 36.88 Tare Wt: 18.95 Net Wt: 17.93 tn

Descr	Actual	Bill Qty	$/Unit	Extended
SOIL	13.00	17.93 TN	20.00000	358.60
Sub Total..... $				358.60
Total..... $				358.60

THANK YOU FOR YOUR BUSINESS!!!
HAVE A GREAT DAY!!!

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 permanecaren en los carros a todes horas.

No se permite llevar cosas del dompe absolutamente.

DRIVER

CUSTOMER

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 907478

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: Shiloh Christian Fellowship
b. Generating Location: Shiloh Christian Fellowship
c. Address: 3295 School St.
Oakland, CA 94602
d. Address: 3250 School St.
Oakland, CA 94602
e. Phone No.: 510/261-2052
f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:
h. Owner's Phone No.:

i. BFI WASTE CODE: CA 405 012496 24 026 7 Containers

j. Description of Waste: Soil
k. Quantity: Units: No.: TYPE:

TYPE
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

UNITS
P - POUNDS
Y - YARDS
M^3 - CUBIC METERS
Y^3 - CUBIC YARDS
O - OTHER

GENERATOR'S CERTIFICATION: I hereby certify that the above named material 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; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robert C. Duggins — Generator Authorized Agent Name
Signature
03/29/96 — Shipment Date

Section II — TRANSPORTER (Generator complete a-d; Transporter I complete e-g; Transporter II complete h-n)

TRANSPORTER I

a. Name: Robens Trucks & Equipment
b. Address: PO Box 2567
So. San Francisco, CA 94083-2567
c. Driver Name/Title: PETRO, METAXAS — PRINT/TYPE
d. Phone No.: 415/952-1300 e. Truck No.: R-95
f. Vehicle License No./State: 9C/6965
Acknowledgement of Receipt of Materials.
g. Driver Signature
3/29/96 — Shipment Date

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: — PRINT/TYPE
k. Phone No.: l. Truck No.:
m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
n. Driver Signature
Shipment Date

Section III — DESTINATION (Generator completes a-d, destination site completes e-f.)

a. Site Name: Vasco Road Landfill
b. Physical Address: 4001 N. Vasco Road
Livermore CA 94505
c. Phone No.: 510/447/0191
d. Mailing Address

e. Discrepancy Indication Space:

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

f. Name of Authorized Agent — Signature
03/29/96 — Receipt Date

Section IV — ASBESTOS (Generator complete a-d, f, g, Operator* completes e.)

a. Operator's* Name:
b. Operator's* Phone No.:
c. Operator's* Address:
d. Special Handling Instructions and additional information:

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

e. Operator's* Name & Title: — Print/Type
Operator's Signature
Date

f. Name and Address of Responsible Agency:

g. ☐ Friable; ☐ Non-friable; ☐ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 03-JUN-95
Lab Job Number: 121162
Project ID: 971.001
Location: Shiloh Christian Fellow

Reviewed by: Mary Pleasa

Reviewed by:

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP

DATE SAMPLED: 05/24/95
DATE RECEIVED: 05/25/95
DATE ANALYZED: 05/31/95
DATE REPORTED: 06/03/95
BATCH NO.: 20932

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
121162-001	A1 @ 7'	2,200	40,000	190,000	40,000	160,000
121162-002	A2 @ 7'	210	ND(25)	ND(25)	2,900	440*
121162-003	B-1 @ 7'	2,200	ND(300)	ND(300)	24,000	21,000
METHOD BLANK	N/A	ND(1.3)	ND(13)	ND(13)	ND(13)	ND(13)

* Presence of this compound confirmed by second column; however, the confirmation concentration differed from the reported result by more than a facotr of two.

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

QA/QC SUMMARY: BS/BSD

RPD, %	4
RECOVERY, %	95

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP

DATE SAMPLED: 05/24,25/95
DATE RECEIVED: 05/25/95
DATE ANALYZED: 05/31/95
DATE REPORTED: 06/03/95
BATCH NO.: 20907

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
121162-004	B-2 @ 7'	15	ND(5.0)	ND(5.0)	180*	93*
121162-005	A-P1 @ 1'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
121162-006	BP-1 @ 1'	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
121162-007	AB-1 @ 12'	76	ND(5.0)	ND(5.0)	290	68*
121162-008	AB-2 @ 12'	6.2	ND(5.0)	ND(5.0)	ND(5.0)	23*
121162-009	AB-3 @ 12'	12	9.1	ND(5.0)	110	41*
121162-010	AB-4 @ 12'	13	ND(5.0)	64	120	320
121162-011	AB-5 @ 13'	13	43	280	150	720
121162-012	AB-6 @ 13'	18	ND(5.0)	ND(5.0)	130	110*
121162-013	C-1 @ 8'	21	NA	NA	NA	NA
METHOD BLANK	N/A	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

* Presence of this compound confirmed by second column; however, the confirmation concentration differed from the reported result by more than a facotr of two.

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

NA = Analysis not requested.

QA/QC SUMMARY: MS/MSD of 121162-005

LCS RECOVERY, %	98
RPD, %	1
RECOVERY, %	97

CLIENT: Subsurface Consultants
PROJECT ID: 971.001
LOCATION: Shiloh Christian Fellow
MATRIX: Soil

DATE REPORTED: 06/03/95

Metals Analytical Report

				Lead				
Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
A1 @ 7'	121162-001	05/24/95	05/25/95	41	0.15	20854	EPA 6010A	05/26/95
A2 @ 7'	121162-002	05/24/95	05/25/95	2.4	0.15	20854	EPA 6010A	05/26/95
B-1 @ 7'	121162-003	05/24/95	05/25/95	5.6	0.15	20854	EPA 6010A	05/26/95
B-2 @ 7'	121162-004	05/24/95	05/25/95	1.8	0.15	20854	EPA 6010A	05/26/95
A-P1 @ 1'	121162-005	05/24/95	05/25/95	3.3	0.15	20854	EPA 6010A	05/26/95
BP-1 @ 1'	121162-006	05/24/95	05/25/95	2.0	0.15	20854	EPA 6010A	05/26/95
AB-1 @ 12'	121162-007	05/25/95	05/25/95	3.0	0.15	20854	EPA 6010A	05/26/95
AB-2 @ 12'	121162-008	05/25/95	05/25/95	2.9	0.15	20854	EPA 6010A	05/26/95
AB-3 @ 12'	121162-009	05/25/95	05/25/95	2.8	0.15	20854	EPA 6010A	05/26/95
AB-4 @ 12'	121162-010	05/25/95	05/25/95	2.0	0.15	20854	EPA 6010A	05/26/95
AB-5 @ 13'	121162-011	05/25/95	05/25/95	4.0	0.15	20854	EPA 6010A	05/26/95
AB-6 @ 13'	121162-012	05/25/95	05/25/95	3.2	0.15	20854	EPA 6010A	05/26/95

SAMPLE ID: C-1 @ 8'
LAB ID: 121162-013
CLIENT: Subsurface Consultants
PROJECT ID: 971.001
LOCATION: Shiloh Christian Fellow
MATRIX: Soil

DATE SAMPLED: 05/24/95
DATE RECEIVED: 05/25/95
DATE REPORTED: 06/03/95

California TITLE 26 Metals

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
Antimony	ND	5.9	20854	EPA 6010A	05/30/95
Arsenic	3.2	0.25	20854	EPA 6010A	05/26/95
Barium	100	0.49	20854	EPA 6010A	05/26/95
Beryllium	0.72	0.098	20854	EPA 6010A	05/26/95
Cadmium	1.5	0.049	20854	EPA 6010A	05/26/95
Chromium (total)	50	0.49	20854	EPA 6010A	05/26/95
Cobalt	14	0.98	20854	EPA 6010A	05/26/95
Copper	45	0.49	20854	EPA 6010A	05/26/95
Lead	62	0.15	20854	EPA 6010A	05/26/95
Mercury	ND	0.10	20924	EPA 7471	05/31/95
Molybdenum	ND	0.98	20854	EPA 6010A	05/26/95
Nickel	100	0.98	20854	EPA 6010A	05/26/95
Selenium	ND	0.25	20854	EPA 6010A	05/26/95
Silver	ND	0.49	20854	EPA 6010A	05/26/95
Thallium	ND	0.25	20854	EPA 6010A	05/26/95
Vanadium	72	0.49	20854	EPA 6010A	05/26/95
Zinc	140	2.0	20854	EPA 6010A	05/30/95

ND = Not detected at or above reporting limit

CLIENT: Subsurface Consultants
JOB NUMBER: 121162

DATE REPORTED: 06/03/95

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Antimony	ND	3	mg/Kg	20854	EPA 6010A	05/30/95
Arsenic	ND	0.25	mg/Kg	20854	EPA 6010A	05/26/95
Barium	ND	0.5	mg/Kg	20854	EPA 6010A	05/26/95
Beryllium	ND	0.1	mg/Kg	20854	EPA 6010A	05/26/95
Cadmium	ND	0.05	mg/Kg	20854	EPA 6010A	05/26/95
Chromium (total)	ND	0.5	mg/Kg	20854	EPA 6010A	05/26/95
Cobalt	ND	1	mg/Kg	20854	EPA 6010A	05/26/95
Copper	ND	0.5	mg/Kg	20854	EPA 6010A	05/26/95
Lead	ND	0.15	mg/Kg	20854	EPA 6010A	05/26/95
Mercury	ND	0.1	mg/Kg	20924	EPA 7471	05/31/95
Molybdenum	ND	1	mg/Kg	20854	EPA 6010A	05/26/95
Nickel	ND	1	mg/Kg	20854	EPA 6010A	05/26/95
Selenium	ND	0.25	mg/Kg	20854	EPA 6010A	05/26/95
Silver	ND	0.5	mg/Kg	20854	EPA 6010A	05/26/95
Thallium	ND	0.25	mg/Kg	20854	EPA 6010A	05/26/95
Vanadium	ND	0.5	mg/Kg	20854	EPA 6010A	05/26/95
Zinc	ND	1	mg/Kg	20854	EPA 6010A	05/30/95

ND = Not Detected at or above reporting limit

CLIENT: Subsurface Consultants
JOB NUMBER: 121162

DATE REPORTED: 06/03/95

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS % Recovery	BSD % Recovery	Average Recovery	RPD	QC Batch	Method	Analysis Date
Antimony	500	427.5	427.5	ug/L	86	86	86	0	20854	EPA 6010A	05/30/95
Arsenic	2000	1840	1830	ug/L	92	92	92	1	20854	EPA 6010A	05/26/95
Barium	2000	1990	1950	ug/L	100	98	99	2	20854	EPA 6010A	05/26/95
Beryllium	50	52.2	51.6	ug/L	104	103	104	1	20854	EPA 6010A	05/26/95
Cadmium	50	49.9	49.1	ug/L	100	98	99	2	20854	EPA 6010A	05/26/95
Chromium (total)	200	198	196	ug/L	99	98	99	1	20854	EPA 6010A	05/26/95
Cobalt	500	489	483	ug/L	98	97	98	1	20854	EPA 6010A	05/26/95
Copper	250	250	245	ug/L	100	98	99	2	20854	EPA 6010A	05/26/95
Lead	500	476	469	ug/L	95	94	95	2	20854	EPA 6010A	05/26/95
Mercury	4	4.55	4.243	ug/L	114	106	110	7	20924	EPA 7470	05/31/95
Molybdenum	400	350	344	ug/L	88	86	87	2	20854	EPA 6010A	05/26/95
Nickel	500	488	480	ug/L	98	96	97	2	20854	EPA 6010A	05/26/95
Selenium	2000	1760	1740	ug/L	88	87	88	1	20854	EPA 6010A	05/26/95
Silver	50	61.7	60.4	ug/L	123	121	122	2	20854	EPA 6010A	05/26/95
Thallium	2000	1930	1910	ug/L	97	96	97	1	20854	EPA 6010A	05/26/95
Vanadium	500	495	488	ug/L	99	98	99	1	20854	EPA 6010A	05/26/95
Zinc	500	460.7	468.3	ug/L	92	94	93	2	20854	EPA 6010A	05/30/95

Client: Subsurface Consultants

Laboratory Login Number: 121162

Project Name: Shiloh Christian Fellow
Project Number: 971.001

Report Date: 03 June 95

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) **METHOD:** SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
121162-013	C-1 @ 8'	Soil	24-MAY-95	25-MAY-95	30-MAY-95	1300	mg/Kg	50	TR	20869

ND = Not Detected at or above Reporting Limit (RL).

Q C B a t c h R e p o r t

Client: Subsurface Consultants
Project Name: Shiloh Christian Fellow
Project Number: 971.001

Laboratory Login Number: 121162
Report Date: 03 June 95

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) **QC Batch Number: 20869**

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	30-MAY-95

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	89%	SMWW 17:5520EF	30-MAY-95
BSD	84%	SMWW 17:5520EF	30-MAY-95

		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	6.1%	< 20%

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162-013
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP
SAMPLE ID: C-1 @ 8'

DATE SAMPLED: 05/24/95
DATE RECEIVED: 05/25/95
DATE EXTRACTED: 05/26/95
DATE ANALYZED: 05/27/95
DATE REPORTED: 06/03/95
BATCH NO: 20859

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl Alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1,700
2,4-Dimethylphenol	ND	330
Benzoic Acid	ND	1,700
2,4-Dichlorophenol	ND	1,700
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1,700
2,4-Dinitrophenol	ND	1,700
4-Nitrophenol	ND	1,700
4,6-Dinitro-2-methylphenol	ND	1,700
Pentachlorophenol	ND	1,700
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
Bis(2-chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
Bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
Bis(2-chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	430	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	400	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1,700

Curtis & Tompkins, Ltd.

EPA 8270

LABORATORY NUMBER: 121162-013
SAMPLE ID: C-1 @ 8'

BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1,700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1,700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	Detected(210)	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1,700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

2-Fluorophenol	59	Nitrobenzene-d5	56
Phenol-d5	67	2-Fluorobiphenyl	72
2,4,6-Tribromophenol	42	Terphenyl-d14	95
2-Chlorophenol-d4	54	1,2-Dichlorobenzene-d4	52

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162-METHOD BLANK
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP
SAMPLE ID: MB

DATE EXTRACTED: 05/26/95
DATE ANALYZED: 05/27/95
DATE REPORTED: 06/03/95
BATCH NO: 20859

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl Alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1,700
2,4-Dimethylphenol	ND	330
Benzoic Acid	ND	1,700
2,4-Dichlorophenol	ND	1,700
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1,700
2,4-Dinitrophenol	ND	1,700
4-Nitrophenol	ND	1,700
4,6-Dinitro-2-methylphenol	ND	1,700
Pentachlorophenol	ND	1,700
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
Bis(2-chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
Bis(2-chloroisopropyl)ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
Bis(2-chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1,700

Curtis & Tompkins, Ltd.

EPA 8270

LABORATORY NUMBER: 121162-METHOD BLANK
SAMPLE ID: MB

BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1,700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1,700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1,700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Bis(2-ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenzo(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

2-Fluorophenol	64	Nitrobenzene-d5	60
Phenol-d5	65	2-Fluorobiphenyl	63
2,4,6-Tribromophenol	73	Terphenyl-d14	89
2-Chlorophenol-d4	62	1,2-Dichlorobenzene-d4	50

Curtis & Tompkins, Ltd

8270 Laboratory Control Sample Report

Curtis & Tompkins, Ltd.

Lab No: QC93864
Date Analyzed: 27-MAY-95
Matrix: SOIL
Batch No: 20859 515147088005
Dilution Factor : 1

LCS Datafile: 05LCS_20859

Extraction Chemist: TEW
MS Operator: KC
Prep Final Vol : 1

Compound	ug/Kg	SpikeAmt	% Rec	Limits
Phenol	1400	2500	56 %	26-90%
2-Chlorophenol	1500	2500	60 %	25-102%
4-Chloro-3-methylphenol	1600	2500	64 %	26-103%
4-Nitrophenol	1700	2500	68 %	11-114%
Pentachlorophenol	1500	2500	60 %	17-109%
1,4-Dichlorobenzene	780	1700	46 %	28-104%
N-Nitroso-di-n-propylamine	930	1700	55 %	41-126%
1,2,4-Trichlorobenzene	900	1700	53 %	38-107%
Acenaphthene	1000	1700	59 %	31-137%
2,4-Dinitrotoluene	1100	1700	65 %	28-89%
Pyrene	1300	1700	76 %	35-142%
Surrogate Recoveries				
2-Fluorophenol	1800	2500	72 %	25-121%
Phenol-d5	1800	2500	72 %	24-113%
2,4,6-Tribromophenol	2100	2500	84 %	19-122%
Nitrobenzene-d5	1200	1700	71 %	23-120%
2-Fluorobiphenyl	1200	1700	71 %	30-115%
Terphenyl-d14	1500	1700	88 %	18-137%
2-Chlorophenol-d4	1800	2500	72 %	20-130%
1,2-Dichlorobenzene-d4	900	1700	53 %	20-130%

Results within Specifications - PASS

EPA 8270
SOIL SEMIVOLATILE MATRIX SPIKE\MATRIX SPIKE DUPLICATE RECOVERY

Curtis & Tompkins, Ltd.

Lab Name: CURTIS & TOMPKINS, LTD Batchnum: 20859

Matrix Spike Sample No : 121127-012

Percent moisture: N/A %

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	% REC #	QC LIMITS REC.
Phenol	2500	0	1600	64	26-90
2-Chlorophenol	2500	0	1700	68	25-102
1,4-Dichlorobenzene	1700	0	780	46	28-104
N-Nitroso-di-n-prop.(1)	1700	0	1100	65	41-126
1,2,4-Trichlorobenzene	1700	0	950	56	38-107
4-Chloro-3-methylphenol	2500	0	1700	68	26-103
Acenaphthene	1700	0	1200	71	31-137
4-Nitrophenol	2500	0	1800	72	11-114
2,4-Dinitrotoluene	1700	0	1100	65	28-89
Pentachlorophenol	2500	0	1200	48	17-109
Pyrene	1700	0	1300	76	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2500	1500	60	6	35	26-90
2-Chlorophenol	2500	1500	60	13	50	25-102
1,4-Dichlorobenzene	1700	740	44	4	27	28-104
N-Nitroso-di-n-prop.(1)	1700	1000	59	10	38	41-126
1,2,4-Trichlorobenzene	1700	940	55	2	23	38-107
4-Chloro-3-methylphenol	2500	1700	68	0	33	26-103
Acenaphthene	1700	1100	65	9	19	31-137
4-Nitrophenol	2500	1800	72	0	50	11-114
2,4-Dinitrotoluene	1700	1100	65	0	47	28-89
Pentachlorophenol	2500	1200	48	0	47	17-109
Pyrene	1700	1400	82	8	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP

DATE SAMPLED: 05/24/95
DATE RECEIVED: 05/25/95
DATE EXTRACTED: 05/30/95
DATE ANALYZED: 06/01/95
DATE REPORTED: 06/03/95
BATCH NO: 20888

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
121162-013	C-1 @ 8'	160*	1.0
METHOD BLANK	N/A	ND	1.0

* Sample chromatogram does not resemble diesel standard. Oil range components contributed to diesel result.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: MS/MSD of 121153-007

LCS RECOVERY, %	99
RPD, %	3
RECOVERY, %	80

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162-013
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP
SAMPLE ID: C-1 @ 8'

DATE SAMPLED: 05/24/95
DATE RECEIVED: 05/25/95
DATE ANALYZED: 05/26/95
DATE REPORTED: 06/03/95
BATCH NO: 20842

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	50
Bromomethane	ND	50
Vinyl chloride	ND	50
Chloroethane	ND	50
Methylene chloride	ND	100
Acetone	200	100
Carbon disulfide	ND	25
Trichlorofluoromethane	ND	25
1,1-Dichloroethene	ND	25
1,1-Dichloroethane	ND	25
trans-1,2-Dichloroethene	ND	25
cis-1,2-Dichloroethene	ND	25
Chloroform	ND	25
Freon 113	ND	25
1,2-Dichloroethane	ND	25
2-Butanone	ND	50
1,1,1-Trichloroethane	ND	25
Carbon tetrachloride	ND	25
Vinyl acetate	ND	250
Bromodichloromethane	ND	25
1,2-Dichloropropane	ND	25
cis-1,3-Dichloropropene	ND	25
Trichloroethene	ND	25
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	ND	25
Benzene	110	25
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	25
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
1,1,2,2-Tetrachloroethane	ND	25
Tetrachloroethene	Detected(16)	25
Toluene	570*	130
Chlorobenzene	ND	25
Ethyl benzene	960	25
Styrene	ND	25
Total xylenes	2,900*	130

* Quantitated from a dilution analyzed on 05/30/95 (Batch no: 20878)
ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

1,2-Dichloroethane-d4	99 %
Toluene-d8	95 %
Bromofluorobenzene	74 %

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162-METHOD BLANK
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP
SAMPLE ID: MB

DATE ANALYZED: 05/26/95
DATE REPORTED: 06/03/95
BATCH NO: 20842

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon tetrachloride	ND	5.0
Vinyl acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethyl benzene	ND	5.0
Styrene	ND	5.0
Total xylenes	ND	5.0

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	93 %
Bromofluorobenzene	87 %

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121162-METHOD BLANK
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOWSHIP
SAMPLE ID: MB

DATE ANALYZED: 05/30/95
DATE REPORTED: 06/03/95
BATCH NO: 20878

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	250
Bromomethane	ND	250
Vinyl chloride	ND	250
Chloroethane	ND	250
Methylene chloride	ND	500
Acetone	ND	500
Carbon disulfide	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
trans-1,2-Dichloroethene	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
Freon 113	ND	130
1,2-Dichloroethane	ND	130
2-Butanone	ND	250
1,1,1-Trichloroethane	ND	130
Carbon tetrachloride	ND	130
Vinyl acetate	ND	1250
Bromodichloromethane	ND	130
1,2-Dichloropropane	ND	130
cis-1,3-Dichloropropene	ND	130
Trichloroethene	ND	130
Dibromochloromethane	ND	130
1,1,2-Trichloroethane	ND	130
Benzene	ND	130
trans-1,3-Dichloropropene	ND	130
Bromoform	ND	130
2-Hexanone	ND	250
4-Methyl-2-pentanone	ND	250
1,1,2,2-Tetrachloroethane	ND	130
Tetrachloroethene	ND	130
Toluene	ND	130
Chlorobenzene	ND	130
Ethyl benzene	ND	130
Styrene	ND	130
Total xylenes	ND	130

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

1,2-Dichloroethane-d4	95 %
Toluene-d8	92 %
Bromofluorobenzene	85 %

Curtis & Tompkins, Ltd

8240 Laboratory Control Sample Report

Curtis & Tompkins, Ltd.

Lab No: QC93800 LCS Datafile: CEQ03
Date Analyzed: 26-MAY-95
Matrix: SOIL Operator: LFL
Batch No: 20842 425146116003

Compound	ug/Kg	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	53.4	50	107 %	59-172%
Trichloroethene	41.8	50	84 %	62-137%
Benzene	42.5	50	85 %	66-142%
Toluene	45.1	50	90 %	59-139%
Chlorobenzene	42.7	50	85 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	50.9	50	102 %	75-143%
Toluene-d8	45.4	50	91 %	77-134%
Bromofluorobenzene	43.4	50	87 %	65-129%

Results within Specifications - PASS

Note: Instrument C and D surrogates based on LCS data

Curtis & Tompkins, Ltd

8240 Laboratory Control Sample Report

Curtis & Tompkins, Ltd.

Lab No: QC93939 LCS Datafile: CEU03
Date Analyzed: 30-MAY-95
Matrix: SOIL Operator: LFL
Batch No: 20878 425150110003

Compound	ug/Kg	SpikeAmt	% Rec	Limits
1,1-Dichloroethene	44.3	50	89 %	59-172%
Trichloroethene	39.6	50	79 %	62-137%
Benzene	41.0	50	82 %	66-142%
Toluene	44.2	50	88 %	59-139%
Chlorobenzene	42.9	50	86 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	50.0	50	100 %	75-143%
Toluene-d8	46.2	50	93 %	77-134%
Bromofluorobenzene	42.7	50	85 %	65-129%

Results within Specifications - PASS

Note: Instrument C and D surrogates based on LCS data

Curtis & Tompkins, Ltd

8010MS MS/MSD Report

Curtis & Tompkins, Ltd.

Matrix Sample Number: 121127-002 Date Analyzed: 26-MAY-95
Lab No: QC93804 QC93805 Spike File: CEQ16
Matrix: SOIL Spike Dup File: CEQ17
Batch No: 20842 425146207016 425146214017 425146166010 Analyst: LFL

	Instrdg	SpikeAmt	% Rec	Limits
MS RESULTS				
1,1-Dichloroethene	69.7	50	139 %	59-172%
Trichloroethene	48.4	50	97 %	62-137%
Benzene	49.8	50	100 %	66-142%
Toluene	51.4	50	103 %	59-139%
Chlorobenzene	49.7	50	99 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	53.8	50	108 %	75-143%
Toluene-d8	47.2	50	94 %	77-134%
Bromofluorobenzene	40	50	80 %	65-129%
MSD RESULTS				
1,1-Dichloroethene	58.3	50	117 %	59-172%
Trichloroethene	42.1	50	84 %	62-137%
Benzene	44.6	50	89 %	66-142%
Toluene	47.7	50	95 %	59-139%
Chlorobenzene	45.1	50	90 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	51.2	50	102 %	75-143%
Toluene-d8	48.6	50	97 %	77-134%
Bromofluorobenzene	42.9	50	86 %	65-129%

MATRIX RESULTS	
1,1-Dichloroethene	0
Trichloroethene	0
Benzene	0
Toluene	0
Chlorobenzene	0

RPD DATA		
1,1-Dichloroethene	18 %	< 22%
Trichloroethene	14 %	< 24%
Benzene	11 %	< 21%
Toluene	8 %	< 21%
Chlorobenzene	10 %	< 21%

Results within Specifications - PASS

CHAIN OF CUSTODY FORM

PAGE ____ OF ____

PROJECT NAME: Shiloh Christian Fellowship
JOB NUMBER: 971.001 LAB: Curtis & Tompkins
PROJECT CONTACT: Bill Rudolph TURNAROUND: Normal
SAMPLED BY: C O'Dea REQUESTED BY: ____

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	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TVH	BTXE	Lead	Metals ICAP or AA	O&G 5520	8270	TPH-D	8240
-1	A1 @ 7'		X						X				X		05	24	95			X	X	X					
-2	A2 @ 7'		X						X				X		05	24	95			X	X	X					
-3	B1 @ 7'		X						X				X		05	24	95			X	X	X					
-4	B2 @ 7'		X						X				X		05	24	95			X	X	X					
-5	A-P1 @ 1'		X						X				X		05	24	95			X	X	X					
-6	BP-1 @ 1'		X						X				X		05	24	95			X	X	X					
-7	AB-1 @ 12'		X						X				X		05	25	95			X	X	X					
-8	AB2 @ 12'		X						X				X		05	25	95			X	X	X					
-9	AB-3 @ 12'		X						X				X		05	25	95			X	X	X					
-10	AB-4 @ 12'		X						X				X		05	25	95			X	X	X					
-11	AB-5 @ 13'		X						X				X		05	25	95			X	X	X					
-12	AB-6 @ 13'		X						X				X		05	25	95			X	X	X					
-13	C-1 @ 8'		X						X				X		05	24	95			X			X	X	X	X	X

CHAIN OF CUSTODY RECORD

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
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
[signature]	5/25/95 3:10 pm	[signature]	5/25

COMMENTS & NOTES:

7.1C

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 07-JUN-95
Lab Job Number: 121202
Project ID: 971.001
Location: Shiloh Christian Fellow

Reviewed by: Mary Pleasant

Reviewed by:

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE ANALYZED: 06/05/95
DATE REPORTED: 06/07/95
BATCH NO.: 20997

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

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
121202-010	COMP-SP-(5,6,7,8)	19	ND(5.0)	ND(5.0)	ND(5.0)	240
METHOD BLANK	N/A	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

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

QA/QC SUMMARY: MS/MSD of sample no: 121153-001

RPD, %	4
RECOVERY, %	95

Curtis & Tompkins, Ltd.

SAMPLE ID: COMP-SP-(5,6,7,8)
LAB ID: 121202-010
CLIENT: Subsurface Consultants
PROJECT ID: 971.001
LOCATION: Shiloh Christian Fellow
MATRIX: Soil

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE REPORTED: 06/07/95

Metals Analytical Report

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
Lead	21	0.15	20990	EPA 6010A	06/06/95

Curtis & Tompkins, Ltd.

Client: Subsurface Consultants

Laboratory Login Number: 121202

Project Name: Shiloh Christian Fellow
Project Number: 971.001

Report Date: 07 June 95

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) **METHOD: SMWW 17:5520EF**

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
121202-005	COMP-SP-(1,2,3,4)	Soil	30-MAY-95	30-MAY-95	06-JUN-95	2300	mg/Kg	50	TR	21058

ND = Not Detected at or above Reporting Limit (RL).

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202-005
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW
SAMPLE ID: COMP-SP-(1,2,3,4)

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE ANALYZED: 06/05/95
DATE REPORTED: 06/07/95
BATCH NO: 21017

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl chloride	ND	500
Chloroethane	ND	500
Methylene chloride	ND	1,000
Acetone	ND	1,000
Carbon disulfide	ND	250
Trichlorofluoromethane	ND	250
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	250
trans-1,2-Dichloroethene	ND	250
cis-1,2-Dichloroethene	ND	250
Chloroform	ND	250
Freon 113	ND	250
1,2-Dichloroethane	ND	250
2-Butanone	ND	500
1,1,1-Trichloroethane	ND	250
Carbon tetrachloride	ND	250
Vinyl acetate	ND	2,500
Bromodichloromethane	ND	250
1,2-Dichloropropane	ND	250
cis-1,3-Dichloropropene	ND	250
Trichloroethene	ND	250
Dibromochloromethane	ND	250
1,1,2-Trichloroethane	ND	250
Benzene	ND	250
trans-1,3-Dichloropropene	ND	250
Bromoform	ND	250
2-Hexanone	ND	500
4-Methyl-2-pentanone	ND	500
1,1,2,2-Tetrachloroethane	ND	250
Tetrachloroethene	ND	250
Toluene	2,400	250
Chlorobenzene	ND	250
Ethyl benzene	3,100	250
Styrene	ND	250
Total xylenes	25,000	250

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

1,2-Dichloroethane-d4	91 %
Toluene-d8	101 %
Bromofluorobenzene	99 %

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202-005
SAMPLE ID: COMP-SP-(1,2,3,4)

BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	1,700
Acenaphthylene	ND	1,700
2,6-Dinitrotoluene	ND	1,700
3-Nitroaniline	ND	8,300
Acenaphthene	ND	1,700
Dibenzofuran	ND	1,700
2,4-Dinitrotoluene	ND	1,700
Diethylphthalate	ND	1,700
4-Chlorophenyl-phenylether	ND	1,700
Fluorene	ND	1,700
4-Nitroaniline	ND	8,300
N-Nitrosodiphenylamine	ND	1,700
Azobenzene	ND	1,700
4-Bromophenyl-phenylether	ND	1,700
Hexachlorobenzene	ND	1,700
Phenanthrene	ND	1,700
Anthracene	ND	1,700
Di-n-butylphthalate	ND	1,700
Fluoranthene	ND	1,700
Pyrene	ND	1,700
Butylbenzylphthalate	ND	1,700
3,3'-Dichlorobenzidine	ND	8,300
Benzo(a)anthracene	ND	1,700
Chrysene	ND	1,700
Bis(2-ethylhexyl)phthalate	ND	1,700
Di-n-octylphthalate	ND	1,700
Benzo(b)fluoranthene	ND	1,700
Benzo(k)fluoranthene	ND	1,700
Benzo(a)pyrene	ND	1,700
Indeno(1,2,3-cd)pyrene	ND	1,700
Dibenzo(a,h)anthracene	ND	1,700
Benzo(g,h,i)perylene	ND	1,700

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

2-Fluorophenol	18	Nitrobenzene-d5	83
Phenol-d5	43	2-Fluorobiphenyl	124
2,4,6-Tribromophenol	24	Terphenyl-d14	101
2-Chlorophenol-d4	53	1,2-Dichlorobenzene-d4	64

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202-005
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW
SAMPLE ID: COMP-SP-(1,2,3,4)

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE EXTRACTED: 05/31/95
DATE ANALYZED: 06/05/95
DATE REPORTED: 06/05/95
BATCH NO: 20931

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

	RESULT ug/Kg	REPORTING LIMIT ug/Kg
ACID COMPOUNDS		
Phenol	ND	1,700
2-Chlorophenol	ND	1,700
Benzyl Alcohol	ND	1,700
2-Methylphenol	ND	1,700
4-Methylphenol	ND	1,700
2-Nitrophenol	ND	8,300
2,4-Dimethylphenol	ND	1,700
Benzoic Acid	ND	8,300
2,4-Dichlorophenol	ND	8,300
4-Chloro-3-methylphenol	ND	1,700
2,4,6-Trichlorophenol	ND	1,700
2,4,5-Trichlorophenol	ND	8,300
2,4-Dinitrophenol	ND	8,300
4-Nitrophenol	ND	8,300
4,6-Dinitro-2-methylphenol	ND	8,300
Pentachlorophenol	ND	8,300
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	1,700
Aniline	ND	1,700
Bis(2-chloroethyl)ether	ND	1,700
1,3-Dichlorobenzene	ND	1,700
1,4-Dichlorobenzene	ND	1,700
1,2-Dichlorobenzene	ND	1,700
Bis(2-chloroisopropyl)ether	ND	1,700
N-Nitroso-di-n-propylamine	ND	1,700
Hexachloroethane	ND	1,700
Nitrobenzene	ND	1,700
Isophorone	ND	1,700
Bis(2-chloroethoxy)methane	ND	1,700
1,2,4-Trichlorobenzene	ND	1,700
Naphthalene	3,300	1,700
4-Chloroaniline	ND	1,700
Hexachlorobutadiene	ND	1,700
2-Methylnaphthalene	4,100	1,700
Hexachlorocyclopentadiene	ND	1,700
2-Chloronaphthalene	ND	1,700
2-Nitroaniline	ND	8,300

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE EXTRACTED: 06/01/95
DATE ANALYZED: 06/04/95
DATE REPORTED: 06/07/95
BATCH NO: 20947

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
121202-005	COMP-SP-(1,2,3,4)	530*	5.0
METHOD BLANK	N/A	ND	1.0

* Sample chromatogram does not resemble diesel standard.

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: MS/MSD of 121205-001

RPD,%	12
RECOVERY, %	83

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE ANALYZED: 06/05/95
DATE REPORTED: 06/07/95
BATCH NO: 21014

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
121202-005	COMP-SP-(1,2,3,4)	270	5.0
MEHTOD BLANK	N/A	ND	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: BS/BSD

RPD, %	4
RECOVERY, %	97

Curtis & Tompkins, Ltd.

SAMPLE ID: COMP-SP-(1,2,3,4)
LAB ID: 121202-005
CLIENT: Subsurface Consultants
PROJECT ID: 971.001
LOCATION: Shiloh Christian Fellow
MATRIX: Soil

DATE SAMPLED: 05/30/95
DATE RECEIVED: 05/30/95
DATE REPORTED: 06/07/95

California TITLE 26 Metals

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
Antimony	ND	12	20990	EPA 6010A	06/06/95
Arsenic	4.2	0.25	20990	EPA 6010A	06/06/95
Barium	79	0.50	20990	EPA 6010A	06/06/95
Beryllium	1.0	0.10	20990	EPA 6010A	06/06/95
Cadmium	1.6	0.050	20990	EPA 6010A	06/06/95
Chromium (total)	53	0.50	20990	EPA 6010A	06/06/95
Cobalt	15	1.0	20990	EPA 6010A	06/06/95
Copper	39	2.0	20990	EPA 6010A	06/06/95
Lead	33	0.15	20990	EPA 6010A	06/06/95
Mercury	ND	0.10	21034	EPA 7471	06/06/95
Molybdenum	ND	1.0	20990	EPA 6010A	06/06/95
Nickel	120	1.0	20990	EPA 6010A	06/06/95
Selenium	ND	0.25	20990	EPA 6010A	06/06/95
Silver	ND	0.50	20990	EPA 6010A	06/06/95
Thallium	ND	0.25	20990	EPA 6010A	06/06/95
Vanadium	110	2.0	20990	EPA 6010A	06/06/95
Zinc	79	1.0	20990	EPA 6010A	06/06/95

ND = Not detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: Subsurface Consultants
JOB NUMBER: 121202

DATE REPORTED: 06/07/95

BATCH QC REPORT
PREP BLANK

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Antimony	ND	3	mg/Kg	20990	EPA 6010A	06/06/95
Arsenic	ND	0.25	mg/Kg	20990	EPA 6010A	06/06/95
Barium	ND	0.5	mg/Kg	20990	EPA 6010A	06/06/95
Beryllium	ND	0.1	mg/Kg	20990	EPA 6010A	06/06/95
Cadmium	ND	0.05	mg/Kg	20990	EPA 6010A	06/06/95
Chromium (total)	ND	0.5	mg/Kg	20990	EPA 6010A	06/06/95
Cobalt	ND	1	mg/Kg	20990	EPA 6010A	06/06/95
Copper	ND	0.5	mg/Kg	20990	EPA 6010A	06/06/95
Lead	ND	0.15	mg/Kg	20990	EPA 6010A	06/06/95
Mercury	ND	0.1	mg/Kg	21034	EPA 7471	06/06/95
Molybdenum	ND	1	mg/Kg	20990	EPA 6010A	06/06/95
Nickel	ND	1	mg/Kg	20990	EPA 6010A	06/06/95
Selenium	ND	0.25	mg/Kg	20990	EPA 6010A	06/06/95
Silver	ND	0.5	mg/Kg	20990	EPA 6010A	06/06/95
Thallium	ND	0.25	mg/Kg	20990	EPA 6010A	06/06/95
Vanadium	ND	0.5	mg/Kg	20990	EPA 6010A	06/06/95
Zinc	ND	1	mg/Kg	20990	EPA 6010A	06/06/95

ND = Not Detected at or above reporting limit

Curtis & Tompkins, Ltd.

CLIENT: Subsurface Consultants
JOB NUMBER: 121202

DATE REPORTED: 06/07/95

BATCH QC REPORT
BLANK SPIKE / BLANK SPIKE DUPLICATE

Compound	Spike Amount	BS Result	BSD Result	Units	BS % Recovery	BSD % Recovery	Average Recovery	RPD	QC Batch	Method	Analysis Date
Antimony	500	530.7	451.9	ug/L	106	90	98	16	20990	EPA 6010A	06/06/95
Arsenic	2000	1990	1980	ug/L	100	99	100	1	20990	EPA 6010A	06/06/95
Barium	2000	1818	2096	ug/L	91	105	98	14	20990	EPA 6010A	06/06/95
Beryllium	50	57.8	58.1	ug/L	116	116	116	1	20990	EPA 6010A	06/06/95
Cadmium	50	56.2	56	ug/L	112	112	112	0	20990	EPA 6010A	06/06/95
Chromium (total)	200	218	219	ug/L	109	110	110	1	20990	EPA 6010A	06/06/95
Cobalt	500	554	555	ug/L	111	111	111	0	20990	EPA 6010A	06/06/95
Copper	250	228.2	263.9	ug/L	91	106	99	15	20990	EPA 6010A	06/06/95
Lead	500	534	533	ug/L	107	107	107	0	20990	EPA 6010A	06/06/95
Mercury	4	3.733	3.812	ug/L	93	95	94	2	21034	EPA 7470	06/06/95
Molybdenum	400	358	356	ug/L	90	89	90	1	20990	EPA 6010A	06/06/95
Nickel	500	539	545	ug/L	108	109	109	1	20990	EPA 6010A	06/06/95
Selenium	2000	1820	1820	ug/L	91	91	91	0	20990	EPA 6010A	06/06/95
Silver	50	59.2	56.4	ug/L	118	113	116	5	20990	EPA 6010A	06/06/95
Thallium	2000	2080	2100	ug/L	104	105	105	1	20990	EPA 6010A	06/06/95
Vanadium	500	463.1	533.9	ug/L	93	107	100	14	20990	EPA 6010A	06/06/95
Zinc	500	496	496	ug/L	99	99	99	0	20990	EPA 6010A	06/06/95

Curtis & Tompkins, Ltd.

Q C B a t c h R e p o r t

Client: Subsurface Consultants
Project Name: Shiloh Christian Fellow
Project Number: 971.001

Laboratory Login Number: 121202
Report Date: 07 June 95

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 21058

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	06-JUN-95

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	84%	SMWW 17:5520EF	06-JUN-95
BSD	87%	SMWW 17:5520EF	06-JUN-95

		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	3.7%	< 20%

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: Method Blank
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW
SAMPLE ID: MB

DATE EXTRACTED: 05/31/95
DATE ANALYZED: 06/02/95
DATE REPORTED: 06/05/95
BATCH NO: 20931

EPA 8270: Base/Neutral and Acid Extractables in Soils & Wastes
Extraction Method: EPA 3550 Sonication

ACID COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Phenol	ND	670
2-Chlorophenol	ND	670
Benzyl Alcohol	ND	670
2-Methylphenol	ND	670
4-Methylphenol	ND	670
2-Nitrophenol	ND	3,300
2,4-Dimethylphenol	ND	670
Benzoic Acid	ND	3,300
2,4-Dichlorophenol	ND	3,300
4-Chloro-3-methylphenol	ND	670
2,4,6-Trichlorophenol	ND	670
2,4,5-Trichlorophenol	ND	3,300
2,4-Dinitrophenol	ND	3,300
4-Nitrophenol	ND	3,300
4,6-Dinitro-2-methylphenol	ND	3,300
Pentachlorophenol	ND	3,300
BASE/NEUTRAL COMPOUNDS		
N-Nitrosodimethylamine	ND	670
Aniline	ND	670
Bis(2-chloroethyl)ether	ND	670
1,3-Dichlorobenzene	ND	670
1,4-Dichlorobenzene	ND	670
1,2-Dichlorobenzene	ND	670
Bis(2-chloroisopropyl)ether	ND	670
N-Nitroso-di-n-propylamine	ND	670
Hexachloroethane	ND	670
Nitrobenzene	ND	670
Isophorone	ND	670
Bis(2-chloroethoxy)methane	ND	670
1,2,4-Trichlorobenzene	ND	670
Naphthalene	ND	1,700
4-Chloroaniline	ND	670
Hexachlorobutadiene	ND	670
2-Methylnaphthalene	ND	1,700
Hexachlorocyclopentadiene	ND	670
2-Chloronaphthalene	ND	670
2-Nitroaniline	ND	3,300

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: Method Blank
SAMPLE ID: MB

BASE/NEUTRAL COMPOUNDS	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Dimethylphthalate	ND	670
Acenaphthylene	ND	670
2,6-Dinitrotoluene	ND	670
3-Nitroaniline	ND	3,300
Acenaphthene	ND	670
Dibenzofuran	ND	670
2,4-Dinitrotoluene	ND	670
Diethylphthalate	ND	670
4-Chlorophenyl-phenylether	ND	670
Fluorene	ND	670
4-Nitroaniline	ND	3,300
N-Nitrosodiphenylamine	ND	670
Azobenzene	ND	670
4-Bromophenyl-phenylether	ND	670
Hexachlorobenzene	ND	670
Phenanthrene	ND	670
Anthracene	ND	670
Di-n-butylphthalate	ND	670
Fluoranthene	ND	670
Pyrene	ND	670
Butylbenzylphthalate	ND	670
3,3'-Dichlorobenzidine	ND	3,300
Benzo(a)anthracene	ND	670
Chrysene	ND	670
Bis(2-ethylhexyl)phthalate	ND	670
Di-n-octylphthalate	ND	670
Benzo(b)fluoranthene	ND	670
Benzo(k)fluoranthene	ND	670
Benzo(a)pyrene	ND	670
Indeno(1,2,3-cd)pyrene	ND	670
Dibenzo(a,h)anthracene	ND	670
Benzo(g,h,i)perylene	ND	670

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

2-Fluorophenol	39	Nitrobenzene-d5	42
Phenol-d5	43	2-Fluorobiphenyl	42
2,4,6-Tribromophenol	49	Terphenyl-d14	53
2-Chlorophenol-d4	39	1,2-Dichlorobenzene-d4	31

EPA 8270
SOIL SEMIVOLATILE MATRIX SPIKE\MATRIX SPIKE DUPLICATE RECOVERY

Curtis & Tompkins, Ltd.

Lab Name: CURTIS & TOMPKINS, LTD Batchnum: 20931

Matrix Spike Sample No : 121202-005

Percent moisture: N/A %

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	% REC #	QC LIMITS REC.
Phenol	2500	25	1100	43	26-90
2-Chlorophenol	2500	0	1600	64	25-102
1,4-Dichlorobenzene	1700	0	750	44	28-104
N-Nitroso-di-n-prop.(1)	1700	32	1100	63	41-126
1,2,4-Trichlorobenzene	1700	15	900	52	38-107
4-Chloro-3-methylphenol	2500	0	680	27	26-103
Acenaphthene	1700	40	1200	68	31-137
4-Nitrophenol	2500	77	1700	65	11-114
2,4-Dinitrotoluene	1700	35	980	56	28-89
Pentachlorophenol	2500	22	930	36	17-109
Pyrene	1700	730	2800	122	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2500	1200	47	9	35	26-90
2-Chlorophenol	2500	1700	68	6	50	25-102
1,4-Dichlorobenzene	1700	880	52	17	27	28-104
N-Nitroso-di-n-prop.(1)	1700	1100	63	0	38	41-126
1,2,4-Trichlorobenzene	1700	960	56	7	23	38-107
4-Chloro-3-methylphenol	2500	740	30	11	33	26-103
Acenaphthene	1700	1400	80	16	19	31-137
4-Nitrophenol	2500	1800	69	6	50	11-114
2,4-Dinitrotoluene	1700	1100	63	12	47	28-89
Pentachlorophenol	2500	1200	47	27	47	17-109
Pyrene	1700	2900	128	5	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

Curtis & Tompkins, Ltd

8270 Laboratory Control Sample Report

Curtis & Tompkins, Ltd.

Lab No: QC94158
Date Analyzed: 02-JUN-95
Matrix: SOIL
Batch No: 20931 515153167009
Dilution Factor : 2

LCS Datafile: 09LCS_20931

Extraction Chemist: AAP
MS Operator: KC
Prep Final Vol : 1

Compound	ug/Kg	SpikeAmt	% Rec	Limits
Phenol	1700	2500	68 %	26-90%
2-Chlorophenol	1600	2500	64 %	25-102%
4-Chloro-3-methylphenol	1900	2500	76 %	26-103%
4-Nitrophenol	1600	2500	64 %	11-114%
Pentachlorophenol	1300	2500	52 %	17-109%
1,4-Dichlorobenzene	970	1700	57 %	28-104%
N-Nitroso-di-n-propylamine	1300	1700	76 %	41-126%
1,2,4-Trichlorobenzene	1100	1700	65 %	38-107%
Acenaphthene	1200	1700	71 %	31-137%
2,4-Dinitrotoluene	1100	1700	65 %	28-89%
Pyrene	1300	1700	76 %	35-142%
Surrogate Recoveries				
2-Fluorophenol	1900	2500	76 %	25-121%
Phenol-d5	2000	2500	80 %	24-113%
2,4,6-Tribromophenol	2200	2500	88 %	19-122%
Nitrobenzene-d5	1400	1700	82 %	23-120%
2-Fluorobiphenyl	1300	1700	76 %	30-115%
Terphenyl-d14	1400	1700	82 %	18-137%
2-Chlorophenol-d4	1900	2500	76 %	20-130%
1,2-Dichlorobenzene-d4	980	1700	58 %	20-130%

Results within Specifications - PASS

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 121202-Method Blank
CLIENT: SUBSURFACE CONSULTANTS
PROJECT ID: 971.001
LOCATION: SHILOH CHRISTIAN FELLOW
SAMPLE ID: MB

DATE ANALYZED: 06/05/95
DATE REPORTED: 06/07/95
BATCH NO: 21017

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon tetrachloride	ND	5.0
Vinyl acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethyl benzene	ND	5.0
Styrene	ND	5.0
Total xylenes	ND	5.0

ND = Not detected at or above reporting limit.

SURROGATE RECOVERIES

1,2-Dichloroethane-d4	87 %
Toluene-d8	99 %
Bromofluorobenzene	104 %

Curtis & Tompkins, Ltd

8240 BS/BSD Report

Curtis & Tompkins, Ltd.

Lab No: QC94508 QC94509
Date Analyzed: 05-JUN-95
Matrix: Soil
Batch No: 21017 415156139006 415156148007

Spike File: BF506
Spike Dup File: BF507
Analyst: LFL

	Instrdg	SpikeAmt	% Rec	Limits
BS RESULTS				
1,1-Dichloroethene	38.7	50	77 %	59-172%
Trichloroethene	45.1	50	90 %	62-137%
Benzene	45.5	50	91 %	66-142%
Toluene	47.7	50	95 %	59-139%
Chlorobenzene	47.8	50	96 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	48.9	50	98 %	75-143%
Toluene-d8	56.0	50	112 %	77-134%
Bromofluorobenzene	55.6	50	111 %	65-129%
BSD RESULTS				
1,1-Dichloroethene	42.9	50	86 %	59-172%
Trichloroethene	44.9	50	90 %	62-137%
Benzene	45.9	50	92 %	66-142%
Toluene	47.1	50	94 %	59-139%
Chlorobenzene	45.0	50	90 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	50.6	50	101 %	75-143%
Toluene-d8	55.2	50	110 %	77-134%
Bromofluorobenzene	54.4	50	109 %	65-129%

RPD DATA		
1,1-Dichloroethene	10 %	< 14%
Trichloroethene	0 %	< 14%
Benzene	1 %	< 11%
Toluene	1 %	< 13%
Chlorobenzene	6 %	< 13%

Results within Specifications - PASS

CHAIN OF CUSTODY FORM

PAGE ____ OF ____

PROJECT NAME: Shiloh Christian Fellowship
JOB NUMBER: 971.001 LAB: Curtis & Tompkins
PROJECT CONTACT: Bill Rudolph TURNAROUND: Normal
SAMPLED BY: Mike REQUESTED BY: ____

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX: WATER	SOIL	WASTE	AIR			CONTAINERS: VOA	LITER	PINT	TUBE			METHOD PRESERVED: HCL	H_2SO_4	HNO_3	ICE	NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME				NOTES	ANALYSIS REQUESTED: TVH	BTXE	LEAD	Hi-Vol Trap for AA	O&G 5520	8270	TPH-D	8240 for SVOC
-1	SP-1		X								X						X		05	30	95						X	X	X				
-2	SP-2		X								X						X		05	30	95						X	X	X				
-3	SP-3		X								X						X		05	30	95						X	X	X				
-4	SP-4		X								X						X		05	30	95						X	X	X				
-5	SP-5		X								X						X		05	30	95						X			X	X	X	X
-6	SP-6		X								X						X		05	30	95						X			X	X	X	X
-7	SP-7		X								X						X		05	30	95						X			X	X	X	X
-8	SP-8		X								X						X		05	30	95						X			X	X	X	X
-9																																	
-10																																	

Comp -1 to -4
Comp -5 to -9
Comp -6 to -8

CHAIN OF CUSTODY RECORD

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
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
[signature]	5/30/95 2:30pm	[signature]	5/30 2:30

COMMENTS & NOTES:

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

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants
171 12th Street
Suite 201
Oakland, CA 94608

Date: 03-APR-96
Lab Job Number: 124933
Project ID: 971.001
Location: Shiloh Christian Fellow

Reviewed by: Cynthia E. Schlag

Reviewed by: Tracy Bibo

Curtis & Tompkins, Ltd.

Client: Subsurface Consultants

Laboratory Login Number: 124933

Project Name: Shiloh Christian Fellow
Project Number: 971.001

Report Date: 03 April 96

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) **METHOD: SMWW 17:5520EF**

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
124933-001	C-2	Soil	22-MAR-96	25-MAR-96	29-MAR-96	ND	mg/Kg	50	DLP	26723
124933-002	C-3	Soil	22-MAR-96	25-MAR-96	29-MAR-96	ND	mg/Kg	50	DLP	26723
124933-003	C-4	Soil	22-MAR-96	25-MAR-96	29-MAR-96	ND	mg/Kg	50	DLP	26723
124933-004	C-5	Soil	22-MAR-96	25-MAR-96	29-MAR-96	ND	mg/Kg	50	DLP	26723
124933-005	C-6	Soil	22-MAR-96	25-MAR-96	29-MAR-96	ND	mg/Kg	50	DLP	26723

ND = Not Detected at or above Reporting Limit (RL).

Curtis & Tompkins, Ltd.

QC Batch Report

Client: Subsurface Consultants
Project Name: Shiloh Christian Fellow
Project Number: 971.001

Laboratory Login Number: 124933
Report Date: 03 April 96

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) **QC Batch Number: 26723**

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
MB	ND	50	mg/Kg	SMWW 17:5520EF	29-MAR-96

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	87%	SMWW 17:5520EF	29-MAR-96
BSD	89%	SMWW 17:5520EF	29-MAR-96

		Control Limits
Average Spike Recovery	88%	80% - 120%
Relative Percent Difference	2.2%	< 20%

Volatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8240
Prep Method: EPA 5030

Field ID: C-2
Lab ID: 124933-001
Matrix: Soil
Batch#: 26620
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/26/96
Analyzed: 03/26/96

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	94	68-126
Toluene-d8	100	87-125
Bromofluorobenzene	97	79-122

Curtis & Tompkins, Ltd.

Lab #: 124933 BATCH QC REPORT

EPA 8240 Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8240
Prep Method: EPA 5030

METHOD BLANK

Matrix: Soil
Batch#: 26620
Units: ug/Kg
Diln Fac: 1

Prep Date: 03/25/96
Analysis Date: 03/25/96

MB Lab ID: QC17862

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freon 113	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Vinyl Acetate	ND	50
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	5.0
2-Hexanone	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%Rec	Recovery Limits
1,2-Dichloroethane-d4	92	68-126
Toluene-d8	100	87-125
Bromofluorobenzene	96	79-122

Curtis & Tompkins, Ltd.

Lab #: 124933 BATCH QC REPORT

EPA 8240 Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8240
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Soil
Batch#: 26620
Units: ug/Kg
Diln Fac: 1

Prep Date: 03/25/96
Analysis Date: 03/25/96

LCS Lab ID: QC17861

Analyte	Result	Spike Added	%Rec #	Limits
1,1-Dichloroethene	55.69	50	111	51-180
Trichloroethene	49.37	50	99	73-141
Benzene	42.26	50	85	78-142
Toluene	50.79	50	102	76-150
Chlorobenzene	50.81	50	102	83-129

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	93	68-126
Toluene-d8	100	87-125
Bromofluorobenzene	97	79-122

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 5 outside limits

Curtis & Tompkins, Ltd.

Lab #: 124933 BATCH QC REPORT

EPA 8240 Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8240
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 124897-045
Matrix: Soil
Batch#: 26620
Units: ug/Kg
Diln Fac: 1

Sample Date: 03/19/96
Received Date: 03/20/96
Prep Date: 03/25/96
Analysis Date: 03/25/96

MS Lab ID: QC17863

Analyte	Spike Added	Sample	MS	%Rec #	Limits
1,1-Dichloroethene	50	<5.000	54.55	109	51-180
Trichloroethene	50	<5.000	45.23	91	73-141
Benzene	50	<5.000	39.41	79	78-142
Toluene	50	<5.000	45.69	91	76-150
Chlorobenzene	50	<5.000	41.96	84	83-129

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	95	68-126
Toluene-d8	100	87-125
Bromofluorobenzene	98	79-122

MSD Lab ID: QC17864

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
1,1-Dichloroethene	50	54.05	108	51-180	1	<22
Trichloroethene	50	44.94	90	73-141	1	<24
Benzene	50	39.44	79	78-142	0	<21
Toluene	50	45.21	90	76-150	1	<21
Chlorobenzene	50	41.2	82 *	83-129	2	<21

Surrogate	%Rec	Limits
1,2-Dichloroethane-d4	93	68-126
Toluene-d8	101	87-125
Bromofluorobenzene	97	79-122

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 1 out of 10 outside limits

Semivolatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

Field ID: C-2
Lab ID: 124933-001
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1700
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	ND	1700
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
bis(2-Chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-Chloroisopropyl) ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330

Semivolatile Organics by GC/MS

Field ID: C-2
Lab ID: 124933-001
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	58	25-121
Phenol-d5	67	24-113
2,4,6-Tribromophenol	44	19-122
Nitrobenzene-d5	72	23-120
2-Fluorobiphenyl	78	30-115
Terphenyl-d14	86	18-137

Semivolatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

Field ID: C-3
Lab ID: 124933-002
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1700
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	ND	1700
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
bis(2-Chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-Chloroisopropyl) ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	1700
2-Nitroaniline	ND	330
Dimethylphthalate	ND	330
Acenaphthylene	ND	

Semivolatile Organics by GC/MS

Field ID: C-3
Lab ID: 124933-002
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	63	25-121
Phenol-d5	66	24-113
2,4,6-Tribromophenol	42	19-122
Nitrobenzene-d5	72	23-120
2-Fluorobiphenyl	79	30-115
Terphenyl-d14	86	18-137

Semivolatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

Field ID: C-4
Lab ID: 124933-003
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1700
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	ND	1700
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
bis(2-Chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-Chloroisopropyl) ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330

Semivolatile Organics by GC/MS

Field ID: C-4
Lab ID: 124933-003
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	61	25-121
Phenol-d5	65	24-113
2,4,6-Tribromophenol	47	19-122
Nitrobenzene-d5	72	23-120
2-Fluorobiphenyl	79	30-115
Terphenyl-d14	91	18-137

Semivolatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

Field ID: C-5
Lab ID: 124933-004
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1700
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	ND	1700
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
bis(2-Chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-Chloroisopropyl) ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330

Semivolatile Organics by GC/MS

Field ID: C-5
Lab ID: 124933-004
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	60	25-121
Phenol-d5	68	24-113
2,4,6-Tribromophenol	51	19-122
Nitrobenzene-d5	75	23-120
2-Fluorobiphenyl	80	30-115
Terphenyl-d14	85	18-137

Semivolatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

Field ID: C-6
Lab ID: 124933-005
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1700
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	ND	1700
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
bis(2-Chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-Chloroisopropyl) ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	330
2-Nitroaniline	ND	1700
Dimethylphthalate	ND	330
Acenaphthylene	ND	330

Semivolatile Organics by GC/MS

Field ID: C-6
Lab ID: 124933-005
Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Sampled: 03/22/96
Received: 03/25/96
Extracted: 03/25/96
Analyzed: 03/29/96

Analyte	Result	Reporting Limit
2,6-Dinitrotoluene	ND	330
3-Nitroaniline	ND	1700
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%Recovery	Recovery Limits
2-Fluorophenol	62	25-121
Phenol-d5	66	24-113
2,4,6-Tribromophenol	47	19-122
Nitrobenzene-d5	71	23-120
2-Fluorobiphenyl	77	30-115
Terphenyl-d14	94	18-137

EPA 8270 Semi-Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

METHOD BLANK

Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Prep Date: 03/25/96
Analysis Date: 03/28/96

MB Lab ID: QC17816

Analyte	Result	Reporting Limit
Phenol	ND	330
2-Chlorophenol	ND	330
Benzyl alcohol	ND	330
2-Methylphenol	ND	330
4-Methylphenol	ND	330
2-Nitrophenol	ND	1700
2,4-Dimethylphenol	ND	330
Benzoic acid	ND	1700
2,4-Dichlorophenol	ND	330
4-Chloro-3-methylphenol	ND	330
2,4,6-Trichlorophenol	ND	330
2,4,5-Trichlorophenol	ND	1700
2,4-Dinitrophenol	ND	1700
4-Nitrophenol	ND	1700
4,6-Dinitro-2-methylphenol	ND	1700
Pentachlorophenol	ND	1700
N-Nitrosodimethylamine	ND	330
Aniline	ND	330
bis(2-Chloroethyl)ether	ND	330
1,3-Dichlorobenzene	ND	330
1,4-Dichlorobenzene	ND	330
1,2-Dichlorobenzene	ND	330
bis(2-Chloroisopropyl) ether	ND	330
N-Nitroso-di-n-propylamine	ND	330
Hexachloroethane	ND	330
Nitrobenzene	ND	330
Isophorone	ND	330
bis(2-Chloroethoxy)methane	ND	330
1,2,4-Trichlorobenzene	ND	330
Naphthalene	ND	330
4-Chloroaniline	ND	330
Hexachlorobutadiene	ND	330
2-Methylnaphthalene	ND	330
Hexachlorocyclopentadiene	ND	330
2-Chloronaphthalene	ND	1700
2-Nitroaniline	ND	330
Dimethylphthalate	ND	330
Acenaphthylene	ND	330
2,6-Dinitrotoluene	ND	1700
3-Nitroaniline	ND	

EPA 8270 Semi-Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

METHOD BLANK

Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Prep Date: 03/25/96
Analysis Date: 03/28/96

MB Lab ID: QC17816

Analyte	Result	Reporting Limit
Acenaphthene	ND	330
Dibenzofuran	ND	330
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	330
4-Chlorophenyl-phenylether	ND	330
Fluorene	ND	330
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	330
Azobenzene	ND	330
4-Bromophenyl-phenylether	ND	330
Hexachlorobenzene	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Di-n-butylphthalate	ND	330
Fluoranthene	ND	330
Benzidine	ND	330
Pyrene	ND	330
Butylbenzylphthalate	ND	330
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	ND	330
Chrysene	ND	330
bis(2-Ethylhexyl)phthalate	ND	330
Di-n-octylphthalate	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%Rec	Recovery Limits
2-Fluorophenol	54	25-121
Phenol-d5	61	24-113
2,4,6-Tribromophenol	34	19-122
Nitrobenzene-d5	64	23-120
2-Fluorobiphenyl	73	30-115
Terphenyl-d14	77	18-137

Curtis & Tompkins, Ltd.

Lab #: 124933 BATCH QC REPORT

EPA 8270 Semi-Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

LABORATORY CONTROL SAMPLE

Matrix: Soil
Batch#: 26611
Units: ug/Kg
Diln Fac: 1

Prep Date: 03/25/96
Analysis Date: 03/28/96

LCS Lab ID: QC17817

Analyte	Result	Spike Added	%Rec #	Limits
Phenol	2789	3333	84	26-90
2-Chlorophenol	2373	3333	71	25-102
4-Chloro-3-methylphenol	2279	3333	68	26-103
4-Nitrophenol	1493	3333	45	11-114
Pentachlorophenol	509.9	3333	15 *	17-109
1,4-Dichlorobenzene	1219	1667	73	28-104
N-Nitroso-di-n-propylamine	1289	1667	77	41-126
1,2,4-Trichlorobenzene	1149	1667	69	38-107
Acenaphthene	1256	1667	75	31-137
2,4-Dinitrotoluene	950.2	1667	57	28-89
Pyrene	1109	1667	67	35-142

Surrogate	%Rec	Limits
2-Fluorophenol	65	25-121
Phenol-d5	70	24-113
2,4,6-Tribromophenol	64	19-122
Nitrobenzene-d5	75	23-120
2-Fluorobiphenyl	78	30-115
Terphenyl-d14	87	18-137

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 1 out of 11 outside limits

Curtis & Tompkins, Ltd.

Lab #: 124933 BATCH QC REPORT

EPA 8270 Semi-Volatile Organics

Client: Subsurface Consultants
Project#: 971.001
Location: Shiloh Christian Fellow

Analysis Method: EPA 8270
Prep Method: EPA 3550

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 124930-001
Matrix: Soil
Batch#: 26611
Units: ug/Kg dry weight
Diln Fac: 1

Sample Date: 03/22/96
Received Date: 03/23/96
Prep Date: 03/25/96
Analysis Date: 03/29/96
Moisture: 16%

MS Lab ID: QC17818

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Phenol	3968	0	3225	81	26-90
2-Chlorophenol	3968	0	2604	66	25-102
4-Chloro-3-methylphenol	3968	0	2954	74	26-103
4-Nitrophenol	3968	0	2181	55	11-114
Pentachlorophenol	3968	0	1115	28	17-109
1,4-Dichlorobenzene	1984	0	1231	62	28-104
N-Nitroso-di-n-propylamine	1984	0	1497	75	41-126
1,2,4-Trichlorobenzene	1984	0	1298	65	38-107
Acenaphthene	1984	<59.52	1637	83	31-137
2,4-Dinitrotoluene	1984	0	1255	63	28-89
Pyrene	1984	<59.52	1329	67	35-142

Surrogate	%Rec	Limits
2-Fluorophenol	59	25-121
Phenol-d5	65	24-113
2,4,6-Tribromophenol	65	19-122
Nitrobenzene-d5	71	23-120
2-Fluorobiphenyl	79	30-115
Terphenyl-d14	83	18-137

MSD Lab ID: QC17819

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Phenol	3968	3442	87	26-90	5	<35
2-Chlorophenol	3968	2898	73	25-102	11	<50
4-Chloro-3-methylphenol	3968	3042	77	26-103	3	<33
4-Nitrophenol	3968	2301	58	11-114	7	<50
Pentachlorophenol	3968	859.4	22	17-109	24	<47
1,4-Dichlorobenzene	1984	1227	62	28-104	0	<27
N-Nitroso-di-n-propylamine	1984	1577	79	41-126	5	<38
1,2,4-Trichlorobenzene	1984	1276	64	38-107	3	<23
Acenaphthene	1984	1625	82	31-137	0	<19
2,4-Dinitrotoluene	1984	1351	68	28-89	6	<47
Pyrene	1984	1293	65	35-142	0	<36

Surrogate	%Rec	Limits
2-Fluorophenol	66	25-121
Phenol-d5	69	24-113
2,4,6-Tribromophenol	71	19-122
Nitrobenzene-d5	71	23-120
2-Fluorobiphenyl	78	30-115
Terphenyl-d14	82	18-137

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

12495

CHAIN OF CUSTODY FORM

PAGE 1 OF 1

PROJECT NAME: SHILOH CHRISTIAN FELLOWSHIP
JOB NUMBER: 971.001 LAB: CURTIS & TOMPKINS
PROJECT CONTACT: FERNANDO VELEZ TURNAROUND: NORMAL
SAMPLED BY: CHRIS O'DEA REQUESTED BY: FERNANDO VELEZ

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: EPA 3550/8270	EPA 5030/8240	8015 (TPH)	SMWW 11th Method 17:5520 E&F
-1	C-2		X						X				X		03	22	96			X	X	X	X
-2	C-3		X						X				X		03	22	96			X		X	X
-3	C-4		X						X				X		03	22	96			X		X	X
-4	C-5		X						X				X		03	22	96			X		X	X
-5	C-6		X						X				X		03	22	96			X		X	X

CHAIN OF CUSTODY RECORD

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
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
	3/25/96 9:45 AM		3-25-96 9:45

COMMENTS & NOTES:

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