

ENVIRONMENTAL TESTING RESULTS
on
PROPOSED 16-ACRE DEVELOPMENT
Ashland Avenue
San Leandro, California
for
CITATION BUILDERS

By

TERRASEARCH, INC.

Project No. E5999
10 February 1989

65
3/22/89
ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS



SOIL, FOUNDATION AND GEOLOGICAL ENGINEERS

TERRA SEARCH INC.

1580 NORTH FOURTH STREET, SAN JOSE, CALIFORNIA 95112-4676, (408) ~~287-9466~~ ⁴⁵³⁻¹¹⁸⁰

Project No. E5999

10 February 1989

Citation Builders
2444 Moorpark Avenue, #L100
San Jose, CA 95126

Attention: Mr. Steven Schott, Jr.

Subject: Okata Property
Ashland Avenue
San Leandro, California
ENVIRONMENTAL TESTING RESULTS

Gentlemen:

In accordance with your authorization, TERRASEARCH, INC., has completed an investigation pertaining to evaluating the presence of pesticide, herbicide, and selected metal contaminants on the subject property. Additionally, upon the removal of the two underground storage tanks used for fuel and oil storage, a preliminary leak investigation was conducted. This report presents the results of our study for the property located on Ashland Avenue in San Leandro, California (Figure 1). Included in this report are the results of our site reconnaissance, a description of the soil sampling program developed for the site, and a tabulation of the analytical test results performed by two certified laboratories, International Technology Corporation and the Sequoia

Analytical Laboratory. The test results, which are the basis on which our opinions are formulated, are appended to this report.

Site Location and Description

The property is located in the City of San Leandro on Ashland Avenue and consists of approximately 16 acres (Figure 1). The site is bounded on the southwest and northwest by housing and apartment developments and on the northeast by apartment units. The site currently consists of several large greenhouses of various sizes, a boiler, a storage shed, as well as several residences on the northwestern edge of the property. Several open fields are also present. It is unknown if live or abandoned wells exist on the property. Two previously abandoned underground tanks used for fuel and oil storage were removed from the site during the course of this investigation.

Site History

The nursery, according to Mr. Hideo Okata, has been in operation since 1950. Prior to this time, the site was utilized for farming. Mr. Okata provided a list of pesticides and fertilizer in use on the site (see attached TABLE I).

Most of the chemicals listed have a half-life of less than 2 months. The bioaccumulative chemical, DDT, has not been

used since 1950, according to Mr. Okata. The testing program included analysis for this environmentally persistent agriculture chemical.

Two underground fuel storage tanks were located in the north-central portion of the property (see Figure 2) and were removed during the course of this investigation. A gas tank which was installed in 1938, had a capacity of approximately 250 gallons. An oil tank, which was installed in approximately 1963, had a capacity of approximately 3,000 gallons. The oil tank has been abandoned for six years. The two tanks were removed from the site after their removal from below ground.

Field Sampling Procedures

The herbicide, pesticide, and selected metals investigation consisted of the sampling of eight random locations on the property. Emphasis was placed on sampling in greenhouse areas and at the chemical storage and mixing shed. The later sampling was designated as the site "hot spot" (Samples 2A and 2B).

At each sample location, two soil samples were collected from depths of 6 inches and 2.5 feet. The sample locations are plotted on the "Site Plan Map", Figure 2. All soil samples were collected in 4x2 inch diameter brass liners driven by a steel hand sampler. The liners were then sealed with aluminum foil, capped with inert plastic end caps, sealed

with electrician's tape, and placed in a cooled container for transport to the analytical laboratory. Composite materials were split on site, and excess material retained pending laboratory test results.

The underground fuel and oil tank preliminary leak investigation consisted of 2 samples of soil removed from the gasoline tank pit by a backhoe from an area approximately 1-1/2 feet below the bottom of the gas tank. These samples were collected in the same manner as detailed above. Three samples of soil were also sampled from 1-1/2 feet below the oil tank utilizing the same retrieval methods.

Groundwater samples consisted of two 40 ml bottles taken at depths of 6-1/2 feet in the gas tank excavation and two 100 ml bottles taken at depths of 7 to 7-1/2 feet in the soil tank excavation. Both samples were taken by the use of a bailer which was cleaned with TSP prior to each sampling. The samples obtained were sealed with electrician's tape and placed in a cold container for transport to the analytical laboratory.

Tank Removal: Field Observations

At your request, TERRARESEARCH, INC., observed the tank removal on 26 January 1989. The tank removal was conducted by Erikson, Inc., under the observation of Mr. Larry Seto of the Alameda Environmental Health Department's Hazardous

Material Division, at the request of the property owner, Mr. Hideo Okata. The initial excavation around the tanks was performed prior to 26 January 1989 without the presence of TERRARESEARCH, INC.

Upon their removal, each tank was visually examined. The tanks appeared to be of the capacities previously indicated. Visual examination of the gas tank showed no cracks along the side or the bottom. The oil tank revealed small cracks in the bottom of the tank and a few small cracks along the sides. No major cracks were revealed in either tank. The tanks were removed by the use of a V-crane, placed on a large truck, and hauled from the site.

Groundwater was encountered at 6-1/2 feet in the gas tank excavation and 7 to 7-1/2 feet in the oil tank excavation. Soil and groundwater samples were taken as detailed above and at the approximate locations detailed in Figure 3.

Test Procedures

The method of analysis for organochlorine pesticides and PCB's in soil has been adopted from the EPA's Method 8080 by Sequoia Analytical Laboratory.

The method of analysis for the chlorophenoxy and phenolic herbicides in soil has been adopted from the EPA's Method 8150 by Sequoia Analytical Laboratory.

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The method of analysis for the lead testing utilized the 3rd edition of the "Test Methods For Evaluating Soil Waste" (EPA document SW-846) or "Methods for Chemical Analysis of Water and Wastes (600/4-79-020).

The method of analysis for low and high boiling hydrocarbons utilized EPA Methods 8015, 8020, 5030, or 3510 (water).

Any of the compounds would have been detected if it was present at or above the listed limits of detection.

Test Results and Recommendations

The results of the analytical testing program (TABLE II) indicate that no further sampling or testing is required for herbicide and pesticide contaminants. The detected pesticides occur in trace quantities which are below the current TTLC levels at which action is required. Therefore, mitigative measures for these substances are not required for the site.

Except for a single sample, the results of the selected metal contaminants (TABLE II) indicate that no further sampling is required. The majority of the samples contain trace quantities below current action levels. Sample 1A was found to contain 59ppm lead. The action level is 50ppm. Further

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testing should be undertaken to verify the test result and to ascertain the extent of any potential problems with respect to this metal.

The results of the testing program also indicate that further sampling and testing for total petroleum hydrocarbons with BTEX should be undertaken in the areas of both underground storage tanks. Although the test results (TABLE II) for soil samples which existed below the gas tank were negative, the water analysis appears to indicate some product migration to groundwater. The high soil and groundwater test results for the second underground tank, the oil/diesel/gas storage tank, confirm our visual observations of free product.

Testing should be directed towards ascertaining the lateral extent of contaminant migration through both soil and groundwater medias. As currently required, a minimum of 3 groundwater monitoring wells will be required to initially help determine the extent and direction of the migration from the tanks.

Should any unknown wells exist on the property, they should be properly abandoned and capped.

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Should you have any questions relating to the contents of this letter or should additional information be required, please contact our office at your convenience.

Reviewed by:

Tom S. Makdissy / ed
Tom S. Makdissy, G.E.
Principal Engineer

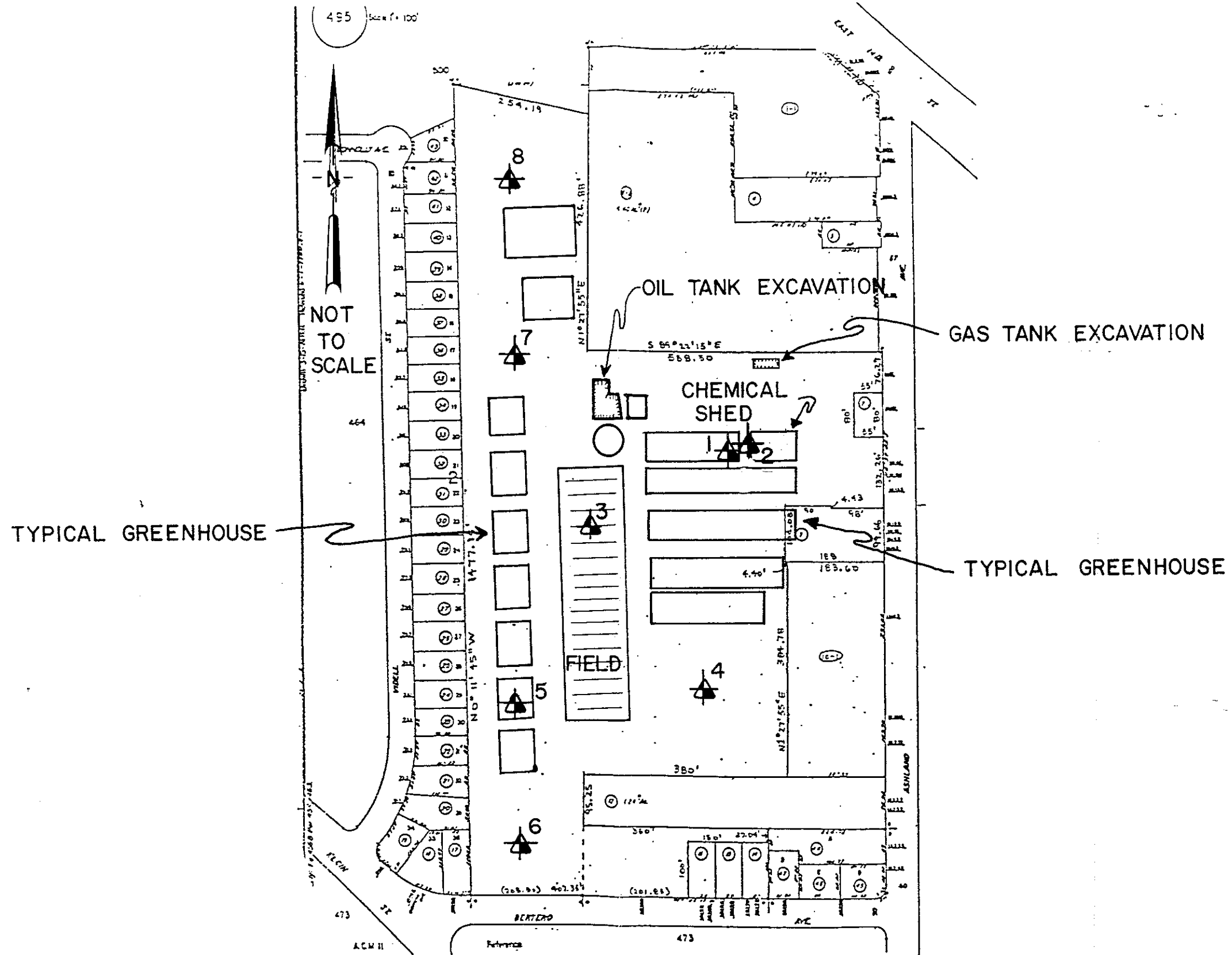
Very truly yours,
TERRASEARCH, INC.


Walid Naouchi
Walid Naouchi
Staff Engineer

Mark E. Detterman
Mark Detterman
Staff Geologist

Copies: 3 to Citation Builders

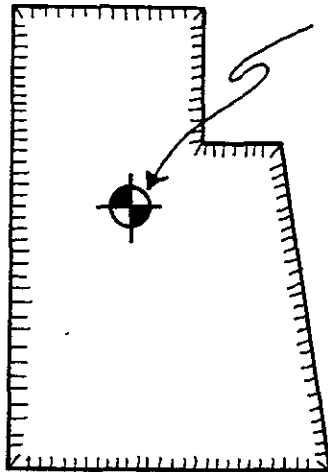




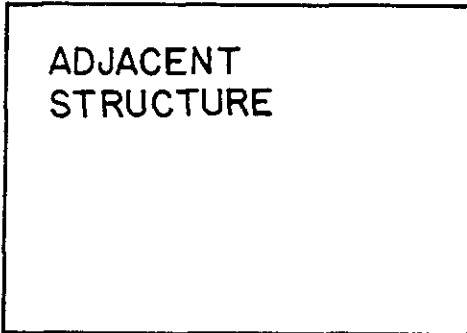
 APROXIMATE LOCATION OF ENVIRONMENTAL SAMPLES

TERRA SEARCH INC.

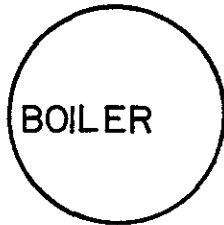
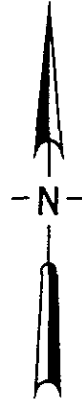
FIGURE NO. 2 - SITE PLAN



First soil sample taken at 5-1/2'. No groundwater at time of sampling



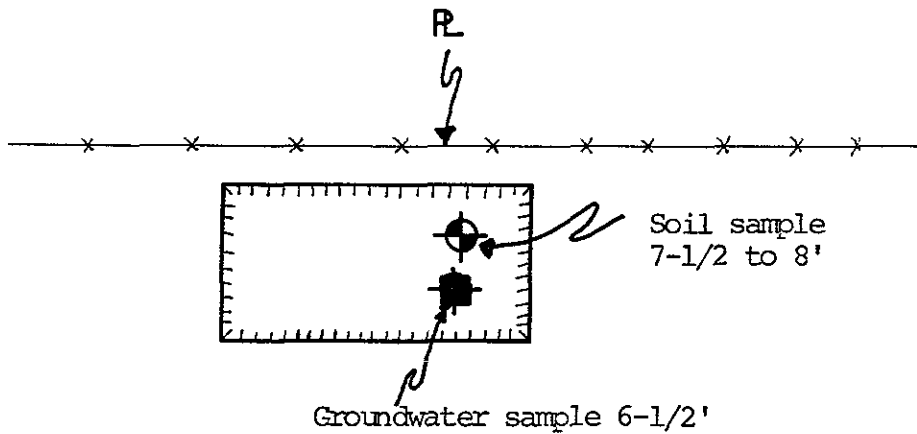
ADJACENT STRUCTURE



BOILER

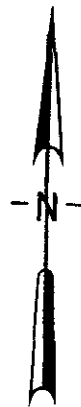
OIL TANK EXCAVATION

SCALE: 1" = 10'



Soil sample 7-1/2 to 8'

Groundwater sample 6-1/2'



GAS TANK EXCAVATION

SCALE: 1" = 5'

TABLE I

HAZARDOUS MATERIALS INVENTORY FOR BROWERS

OKADA BROTHERS INC.
16103 ASHLAND AVE.
SAN LORENZO, CALIFORNIA
276-5560

JUNE 23, 1987

PESTICIDES	COMMON NAME	QUANTITY
Orthene 75SP	Acephate	24 pounds
Mavrik Aquaflo	Fluvalinate	8 quarts
Dycarb	Bendiocarb	24 pounds
Banrot 40WP		120 pounds
Chipco 26019	Iprodione	48 pounds
Ornalin 50WP	Oxazolidinedione	24 pounds
Terrachlor 75W	PCNB	72 pounds
Zyban		24 pounds
Ronstar	Oxadiazon	150 pounds
Rout G	Dryzalin	
	Oxyfluorfen	150 pounds
Goal 1.6E	Oxyfluorfen	4 gallons
Surflan 75W	Dryzalin	25 pounds
Dacthal 75W	Chlorothal	48 pounds
Nu-film 17	Wetting agent surfactant	12 gallons
Vapor Guard	Anti-transpirant	4 gallons
Van Buff	Buffer	20 gallons
Vapam	Metam-sodium	35 gallons
Physan 20	Disinfectant	8 gallons
Captan 50W		48 pounds
Ramik green	Diphacinone	15 pounds
Metaldehyde Methiocarb Granules 2-1		300 pounds
Dusting sulphur	sulphur	50 pounds
Temik 10G	Aldicarb	120 pounds
Metho gas 100	Methyl bromide	9 pounds
Princep caliber 90	Simazine	50 pounds
Diquat		6 gallons
Diazinon 50W		50 pounds
Moristan		60 pounds
Pentac Aquaflo		2 gallons
Pentac WP		40 pounds
Vendex	Fenbutatin-oxide	24 pounds
Dithane M-45	Mancozeb	96 pounds
Ortho X-77	Spreader	4 gallons
Vydate	oxamyl	4 gallons
Plant wax 75W	Oxycarboxin	6 pounds
Treflan 5G	Trifluralin	50 pounds
FERTILIZERS		
Ammonium Nitrate		1 ton
Ammonium Sulfate		800 pounds
Calcium Nitrate		3 tons
Muriate of Potash	Potassium chloride	3 tons

(TABLE I - Continued)

FERTILIZERS continued

Osmocote 17-7-12	850 pounds
Single super phosphate	800 pounds
Potassium sulfate	200 pounds
Ferrus sulfate	300 pounds
Bone meal	100 pound
Bay Shell lime	1 ton

TABLE 11
LIST OF DETECTED SUBSTANCES

SAMPLE	DEPTH (FT.)	ARSENIC	LEAD	COMPOSITE	LOW BOILING				HIGH BOILING		OIL & GREASE
				DDT & DDE	HYDROCARBONS		ETYL		HYDROCARBONS		
					DIELDRIEN (DDE/DDE)	BENZENE	TOLUENE	ETHYLENE	XYLENES	HEXANE	
SOIL (PPM)											
1A	1.5	4.0	59	0.039	1.010						
1B	2.5	3.1	19	0.043	ND						
2A	0.5	2.8	11	ND	ND						
2B	2.5	4.6	24	ND	ND						
C-1A (3/4/5)*	0.5	2.4	10	ND	0.005						
C-1B (3/4/5)	2.5	3.1	5.7	ND	ND						
C-2A (7/8)	0.5	4.3	24	0.048	ND						
C-2B (7/8)	2.5	5.9	9.9	ND	ND						
5A	0.5	3.4	11	ND	ND						
5B	2.5	3.1	5.0	0.0038	ND						
GAS TANK											
7.5-8'	7.5-8		20		ND**	ND	ND	ND	ND	NA***	NA
OIL TANK											
5.5-6'A	5.5-6		22		28	ND	ND	0.1	0.4	4,100****	2,000
5.5-6'B	5.5-6		22		ND	ND	ND	ND	ND	220****	1,100
5.5-6'C	5.5-6		13		ND	ND	ND	ND	ND	10****	50
WATER (PPE)											
GAS TANK											
5.5-7'	6.5-7		ND		740	ND	ND	2	5	NA	NA
OIL TANK											
7.5'	7.5		ND		NA	NA	NA	NA	NA	60,000****	44,000

* C = Composite
(2/4/6) = Sample Numbers in Composite

** ND = Non Detected

*** NA = Not Analyzed

**** Chromatographic pattern of compounds detected and calculated as diesel is similar to cut does not match that of the diesel standard used for calibration.

APPENDIX

Sequoia Analytical Laboratory Test Results

International Technology Corp. Test Results



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil
Analysis for: Arsenic
First Sample #: 901-0976

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Analyzed: Jan 30, 1989
Reported: Feb 3, 1989

LABORATORY ANALYSIS FOR: Arsenic

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
901-0976	1A	0.1	4.0
901-0977	1B	0.1	3.1
901-0978	2A	0.1	2.8
901-0979	2B	0.1	4.6
901-0980	C-1A	0.1	3.4
901-0981	C-1B	0.1	3.1
901-0982	C-2A	0.1	4.3
901-0983	C-2B	0.1	5.9
901-0984	5A	0.1	3.4
901-0985	5B	0.1	3.1

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil
Analysis for: Lead
First Sample #: 901-0976

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Analyzed: Jan 27, 1989
Reported: Feb 3, 1989

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
901-0976	1A	0.05	59
901-0977	1B	0.05	19
901-0978	2A	0.05	11
901-0979	2B	0.05	24
901-0980	C-1A	0.05	9.9
901-0981	C-1B	0.05	6.7
901-0982	C-2A	0.05	24
901-0983	C-2B	0.05	10
901-0984	5A	0.05	11
901-0985	5B	0.05	5.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.	Client Project ID: #E5999, Okata	Sampled: Jan 11, 1989
1580 North 4th Street	Sample Descript: Soil, 1A	Received: Jan 11, 1989
San Jose, CA 95112	Analysis Method: EPA 8150	Extracted: Jan 19, 1989
Attention: Mark Detterman	Lab Number: 901-0976	Analyzed: Jan 28, 1989
		Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPD.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, 1B
Analysis Method: EPA 8150
Lab Number: 901-0977

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 19, 1989
Analyzed: Jan 28, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, 2A
Analysis Method: EPA 8150
Lab Number: 901-0978

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 19, 1989
Analyzed: Jan 28, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, 2B
Analysis Method: EPA 8150
Lab Number: 901-0979

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 19, 1989
Analyzed: Jan 28, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, C-1A
Analysis Method: EPA 8150
Lab Number: 901-0980

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 19, 1989
Analyzed: Jan 28, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
Laboratory Director



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680 Chesapeake Drive • Redwood City, CA 94063
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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, C-1B
Analysis Method: EPA 8150
Lab Number: 901-0981

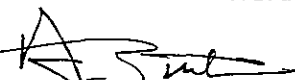
Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 24, 1989
Analyzed: Jan 30, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
Laboratory Director



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(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, C-2A
Analysis Method: EPA 8150
Lab Number: 901-0982

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 24, 1989
Analyzed: Jan 30, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, C-2B
Analysis Method: EPA 8150
Lab Number: 901-0983

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 24, 1989
Analyzed: Jan 30, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director



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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.	Client Project ID: #E5999, Okata	Sampled: Jan 11, 1989
1580 North 4th Street	Sample Descript: Soil, 5A	Received: Jan 11, 1989
San Jose, CA 95112	Analysis Method: EPA 8150	Extracted: Jan 24, 1989
Attention: Mark Detterman	Lab Number: 901-0984	Analyzed: Jan 30, 1989
		Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPD.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
Laboratory Director



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(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, 5B
Analysis Method: EPA 8150
Lab Number: 901-0985

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 24, 1989
Analyzed: Jan 30, 1989
Reported: Feb 3, 1989

CHLORINATED HERBICIDES (EPA 8150)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
2,4-D.....	1.0	N.D.
2,4-DB.....	1.0	N.D.
2,4,5-T.....	0.2	N.D.
2,4,5-TP (Silvex).....	0.2	N.D.
Dalapon.....	5.0	N.D.
Dicamba.....	0.25	N.D.
Dichloroprop.....	0.5	N.D.
Dinoseb.....	0.2	N.D.
MCPA.....	200.0	N.D.
MCPP.....	200.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, 1A
Analysis Method: EPA 8080
Lab Number: 901-0976

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 20, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	10
4,4'-DDT.....	10.0	29
Dieldrin.....	5.0	10
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director



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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999, Okata
Sample Descript: Soil, 1B
Analysis Method: EPA 8080
Lab Number: 901-0977

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 23, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	43
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, 2A
Analysis Method: EPA 8080
Lab Number: 901-0978

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 23, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	N.D.
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
Laboratory Director



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680 Chesapeake Drive • Redwood City, CA 94063
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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, 2B
Analysis Method: EPA 8080
Lab Number: 901-0979

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 23, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	N.D.
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director



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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, C-1A
Analysis Method: EPA 8080
Lab Number: 901-0980

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 25, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	N.D.
Dieldrin.....	5.0	5.5
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, C-1B
Analysis Method: EPA 8080
Lab Number: 901-0981

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 26, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	N.D.
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director



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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, C-2A
Analysis Method: EPA 8080
Lab Number: 901-0982

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 26, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	20
4,4'-DDT.....	10.0	28
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor expoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director



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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, C-2B
Analysis Method: EPA 8080
Lab Number: 901-0983

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 25, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	N.D.
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director



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Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, 5A
Analysis Method: EPA 8080
Lab Number: 901-0984

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 25, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	N.D.
4,4'-DDT.....	10.0	N.D.
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton
Laboratory Director



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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112
Attention: Mark Detterman

Client Project ID: #E5999
Sample Descript: Soil, 5B
Analysis Method: EPA 8080
Lab Number: 901-0985

Sampled: Jan 11, 1989
Received: Jan 11, 1989
Extracted: Jan 18, 1989
Analyzed: Jan 25, 1989
Reported: Feb 3, 1989

ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	5.0	N.D.
alpha-BHC.....	5.0	N.D.
beta-BHC.....	5.0	N.D.
sigma-BHC.....	10.0	N.D.
gamma-BHC (Lindane).....	5.0	N.D.
Chlordane.....	50.0	N.D.
4,4'-DDD.....	10.0	N.D.
4,4'-DDE.....	5.0	8.8
4,4'-DDT.....	10.0	29
Dieldrin.....	5.0	N.D.
Endosulfan I.....	10.0	N.D.
Endosulfan II.....	5.0	N.D.
Endosulfan sulfate.....	50.0	N.D.
Endrin.....	10.0	N.D.
Endrin aldehyde.....	15.0	N.D.
Heptachlor.....	5.0	N.D.
Heptachlor epoxide.....	5.0	N.D.
Methoxychlor.....	150.0	N.D.
Toxaphene.....	175.0	N.D.
PCB-1016.....	50.0	N.D.
PCB-1221.....	50.0	N.D.
PCB-1232.....	50.0	N.D.
PCB-1242.....	50.0	N.D.
PCB-1248.....	50.0	N.D.
PCB-1254.....	50.0	N.D.
PCB-1260.....	50.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

FEB 27 1989



Terrasearch, Inc.
1580 North 4th Street
San Jose, CA 95112

February 24, 1989

ATTN: Mark Detterman

Following are the results of analyses on the samples described below.

Project: 5999E, Okata Property, Ashland Ave.,
San Leandro
Lab Numbers: S9-01-305-01 thru S9-01-305-06
Sample Type: 5 soil, 2 composited to 1 and
3 individual and 2 waters
Date Received: 1/27/89
Analyses Requested: Low Boiling Hydrocarbons, High Boiling
Hydrocarbons, Lead

The method of analysis for low boiling hydrocarbons is taken from EPA Methods 8015, 8020 and 5030. The sample is examined using the purge and trap technique. Final detection is by gas chromatography using a flame ionization detector as well as a photoionization detector. The result for total low boiling hydrocarbons is calculated as gasoline and includes benzene, toluene, ethyl benzene and xylenes.

The method of analysis for high boiling hydrocarbons in soil involves extracting the sample with acetone. The mixture is partitioned with hexane and the resulting extract is examined by gas chromatography using a flame ionization detector.

The method of analysis for high boiling hydrocarbons in water is taken from EPA Method 3510. The sample is partitioned with hexane and the resulting extract is examined by gas chromatography using a flame ionization detector.

The samples were analyzed for inorganic parameters following E.P.A. Protocol, using methods from SW 846 3rd Edition or Methods For Chemical Analysis of Water and Wastes 600/4-79-020. The method employed is listed adjacent to the parameter in the table.


Fred Rouse

FR/an

7 Pages Following - Tables of Results

ITAS/San Jose to Terrasearch
 ATTN: Mark Detterman

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Project: 5999E, Okata Property, Ashland Avenue, San Leandro

Lab Numbers: S9-01-305-01A, S9-01-305-01B [composite]

Sample Identification: Gas Tank 7.5-8' [composite]

Results

Total Petroleum Hydrocarbons	Milligrams per Kilogram - dry soil basis		
	Detected	Detection Limit	Calculated as
Low Boiling Hydrocarbons	None	5.	Gasoline
Benzene	None	0.05	--
Toluene	None	0.1	--
Ethyl benzene	None	0.1	--
Xylenes	None	0.3	--

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Project: 5999E, Okata Property, Ashland Avenue, San Leandro

Lab Numbers: S9-01-305-02

Sample Identification: Oil Tank 5.5-6' A

Results

Total Petroleum Hydrocarbons	Milligrams per Kilogram - dry soil basis		
	Detected	Detection Limit	Calculated as
Low Boiling Hydrocarbons	28.	5.	Gasoline
Benzene	None	0.05	--
Toluene	None	0.1	--
Ethyl benzene	0.1	0.1	--
Xylenes	0.4	0.3	--
High Boiling Hydrocarbons	4,100.*	200.	Diesel
Oil and Grease	2,000.	800.	--

*Chromatographic pattern of compounds detected and calculated as diesel is similar to but does not match that of the diesel standard used for calibration.

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Project: 5999E, Okata Property, Ashland Avenue, San Leandro

Lab Numbers: S9-01-305-03

Sample Identification: Oil Tank 5.5-6' B

Results

Total Petroleum Hydrocarbons	Milligrams per Kilogram - dry soil basis		
	Detected	Detection Limit	Calculated as
Low Boiling Hydrocarbons	None	5.	Gasoline
Benzene	None	0.05	--
Toluene	None	0.1	--
Ethyl benzene	None	0.1	--
Xylenes	None	0.3	--
High Boiling Hydrocarbons	220.*	30.	Diesel
Oil and Grease	1,100.	200.	--

*Chromatographic pattern of compounds detected and calculated as diesel is similar to but does not match that of the diesel standard used for calibration.

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Project: 5999E, Okata Property, Ashland Avenue, San Leandro

Lab Numbers: S9-01-305-04

Sample Identification: Oil Tank 5.5-6' C

Results

Total Petroleum Hydrocarbons	Milligrams per Kilogram - dry soil basis		
	Detected	Detection Limit	Calculated as
Low Boiling Hydrocarbons	None	5.	Gasoline
Benzene	None	0.05	--
Toluene	None	0.1	--
Ethyl benzene	None	0.1	--
Xylenes	None	0.3	--
High Boiling Hydrocarbons	10.*	10.	Diesel
Oil and Grease	60.	10.	--

*Chromatographic pattern of compounds detected and calculated as diesel does not match that of the diesel standard used for calibration.

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Project: 5999E, Okata Property, Ashland Avenue, San Leandro

Lab Numbers: S9-01-305-05

Sample Identification: Gas Tank 6.5-7'

Results

Total Petroleum Hydrocarbons	Results - Micrograms per Liter		
	Detected	Detection Limit	Calculated as
Low Boiling Hydrocarbons	740.	50.	Gasoline
Benzene	None	2.	--
Toluene	None	1.	--
Ethyl benzene	2.	1.	--
Xylenes	3.	3.	--

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Project: 5999E, Okata Property, Ashland Avenue, San Leandro

Lab Numbers: S9-01-305-06
 Sample Identification: Oil Tank 7.5'

Results

Total Petroleum Hydrocarbons	Results - Micrograms per Liter		
	Detected	Detection Limit	Calculated as
High Boiling Hydrocarbons	60,000.*	6,000.	Diesel
Oil and Grease	44,000.	30,000.	--

*Chromatographic pattern of compounds detected and calculated as diesel is similar to but does not match that of the diesel standard used for calibration.

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Project: 5999E Okata Property, Ashland Avenue, San Leandro

ND = None Detected

Summary of Results - Milligrams per Kilogram

<u>Lab Number</u>	<u>Sample Identification</u>	<u>E.P.A. Method</u>	<u>Lead Detected</u>	<u>Detection Limit</u>
S9-01-305-01	Gas Tank 7.5-8'	7420	20.	3.0
S9-01-305-02	Oil Tank 5.5-6'A	7420	22.	3.0
S9-01-305-03	Oil Tank 5.5-6'B	7420	22.	3.0
S9-01-305-04	Oil Tank 5.5-6'C	7420	13.	3.0
S9-01-305-05	Gas Tank 6.5-7'	7420	ND	0.05
S9-01-305-06	Oil Tank 7.5'	7420	ND	0.05