GEOTECHNICAL ENGINEERS AND GEOLOGISTS
TERRASEARCH INC.
11800 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA 94568 (510) 833-9297 FAX (510) 833-9548

Project No. E333
23 January 1997

Ms. Amy Leech
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services-LOP
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Waste-Oil Contamination
Spanish Ranch Mobile Home Park No. 1 - Auto Repair Area
28400 Granada Circle
Hayward, California 94544
LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES COLLECTED FROM BENEATH WASTE-OIL CONTAMINATED AREA

References: 1) Letter to Revise Proposed Investigations
By Alameda County Health Care Services Agency
Dated December 18, 1996

Dear Ms. Leech:

On behalf of Ken Earp Development and at the request of Alameda County Health Care Services Agency (ACHCSA), ***TERRASEARCH, inc.*** hand-augered boring B-1 in the center of the waste-oil spill area behind the automotive maintenance area off of Los Ojos Avenue on January 13, 1997. Three soil samples (1-1.5, 1-3, and 1-5) were collected from depths of 1.5 feet, 3 feet, and 5 feet from beneath the surface waste-oil spill area. The location of boring B-1 is shown on the attached Figure 1, Site Plan.

The soil samples collected from boring B-1 were capped, labeled, and placed in a pre-cooled ice-chest and transported under chain-of-custody documentation to Chromalab, Inc. of Pleasanton, California, a State-certified hazardous waste testing laboratory (Certification No. 1094) for analysis.

At your request (Reference 1), the initial soil sample 1-1.5 was analyzed for total extractable petroleum hydrocarbons (TEPH) using Environmental Protection Agency (EPA) Method 8015 (modified), volatile organic compounds (VOCs) using EPA Method 8240, semi-volatile organic compounds (SVOCs) using EPA Method 8270, pesticides using EPA Method 8080, total lead by EPA Methods 3050A/7420A, and total oil and grease (TOG) using Standard Method (SM) 5520 D&F. In addition, soil samples 1-3 and 1-5 were analyzed for VOCs using EPA Method 8240 and soil sample 1-5 was analyzed for lead using the waste-extraction test (wet)/STLC method.

Laboratory analytical results reported no detectable concentrations in sample 1-1.5 of TEPH (less than 1.0 milligram per kilogram [mg/Kg]), VOCs (less than 5 to 50 micrograms per kilogram [µg/Kg]), SVOCs (less than 0.05 to 0.5 mg/Kg), pesticides (less than 2 to 10 µg/Kg), and lead (less than 5 mg/Kg), respectively. In addition, VOCs were not detected in samples 1-3 and 1-5, and lead using the WET/STLC extraction, was not detected (less than 1 mg/Kg) in sample 1-5.

The only constituent detected in all samples analyzed was TOG in sample 1-1.5, at a concentration of 110 mg/Kg. All laboratory analytical results are attached.

Based upon these analytical results, it is apparent that the clayey fraction of the soil has effectively impeded the vertical migration of the waste-oil contamination beneath the surface waste-oil spill area at the subject site. Only the initial two feet beneath the surface waste-oil spill appear to be adversely impacted, with the highest concentration of waste-oil constituents restricted to the first few inches beneath the surface waste-oil spill.

TERRASEARCH, inc. recommends that the initial two feet below the surface waste-oil spill area be excavated, placed in a temporary storage drum, and properly disposed. This remedial action will be sufficient to close the subject site from further environmental investigation and/or remediation. In addition, Ken Earp Development requests that the ACHCSA supply the Spanish Ranch mobile home park with detailed information on waste-oil recycling and disposal areas nearby to discourage future potenital environmental impaction within the Spanish Ranch facility.

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

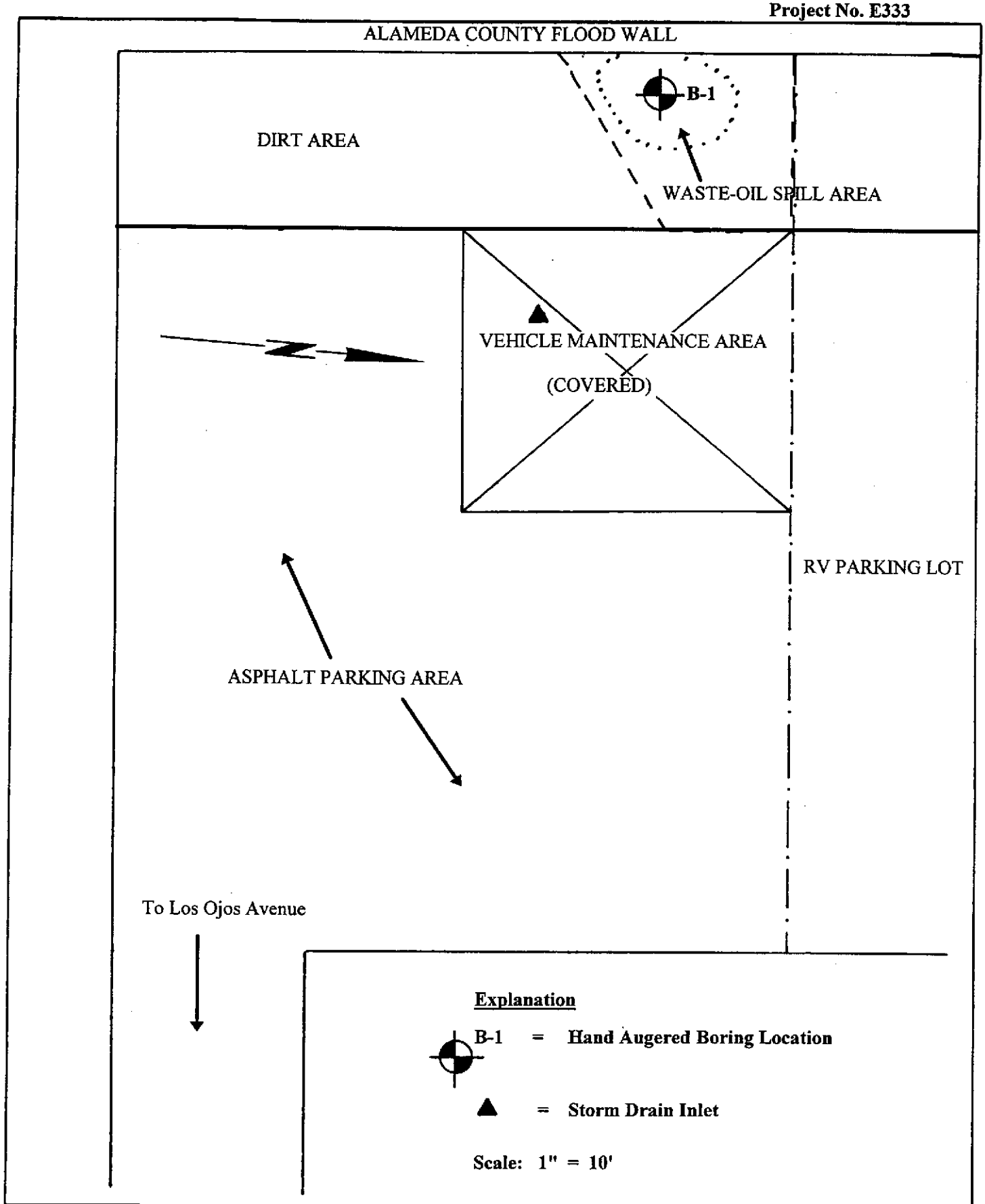
Very truly yours,
TERRASEARCH, inc.

Robert D. Campbell, R.G.
Project Geologist

Attachments: Figure 1, Site Plan
Chromalab, Inc. Laboratory Analytical Report
and Chain-of-Custody Form

Copies: 1 to Mr. Ken Earp
1 to Mr. Amy Leech
1 to files

Project No. E333



TERRA SEARCH INC.

FIGURE NO. 1, SITE PLAN

CHROMALAB, INC.

Environmental Services (SDB)

January 16, 1997 *Submission #:* 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: 1 sample for Oil and Grease analysis.
Method: 5520 E&F

Matrix: SOIL *Extracted:* January 16, 1997
Sampled: January 13, 1997 *Run#:* 4889 *Analyzed:* January 16, 1997

Spl#	CLIENT SPL ID	OIL & GREASE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
113981	1-1.5	110	50	N.D.	98.5	1

Carolyn House
Extractions Supervisor

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997 *Submission #:* 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: 1 sample for TEPH analysis.
Method: *EPA 8015M*

Sampled: January 13, 1997 *Matrix:* SOIL *Run#:* 4932 *Extracted:* January 17, 1997 *Analyzed:* January 20, 1997

Spl# CLIENT SPL ID	Kerosene (mg/Kg)	Diesel (mg/Kg)	Motor Oil (mg/Kg)
113981 1-1.5	N.D.	N.D.	N.D.
Reporting Limits	1.0	1.0	50
Blank Result	N.D.	N.D.	N.D.
Blank Spike Result (%)	--	84.1	--

Bruce Havlik
Chemist

Alex Tam
Semivolatiles Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997 *Submission #:* 9701156

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997
re: One sample for Volatile Organics by GC/MS analysis.
Method: *SW846 METHOD 8240A Nov 1990*

Client Sample ID: 1-1.5
Spl#: 113981 *Matrix:* SOIL
Sampled: January 13, 1997 *Run#:* 4972 *Analyzed:* January 15, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	20	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	92.1	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	5.0	N.D.	--	1
METHYL ETHYL KETONE	N.D.	20	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	87.8	1
CHLOROETHANE	N.D.	5.0	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	10	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	95.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	N.D.	5.0	N.D.	--	1
2-HEXANONE	N.D.	20	N.D.	--	1
METHYLENE CHLORIDE	N.D.	10	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	20	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	91.2	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	87.4	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TOTAL XYLENES	N.D.	5.0	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997

Submission #: 9701156
page 2

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997
re: One sample for Volatile Organics by GC/MS analysis, continued.
Method: *SW846 METHOD 8240A Nov 1990*

Client Sample ID: 1-1.5
Spl#: 113981 *Matrix:* SOIL
Sampled: January 13, 1997 *Run#:* 4972 *Analyzed:* January 15, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR

June Zhao
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997 *Submission #:* 9701156

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997
re: One sample for Volatile Organics by GC/MS analysis.
Method: *SW846 METHOD 8240A Nov 1990*

Client Sample ID: 1-3✓
Spl#: 113982 *Matrix:* SOIL
Sampled: January 13, 1997 *Run#:* 4972 *Analyzed:* January 15, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	20	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	92.1	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	5.0	N.D.	--	1
METHYL ETHYL KETONE	N.D.	20	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	87.8	1
CHLOROETHANE	N.D.	5.0	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	10	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	95.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	N.D.	5.0	N.D.	--	1
2-HEXANONE	N.D.	20	N.D.	--	1
METHYLENE CHLORIDE	N.D.	10	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	20	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	91.2	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	87.4	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TOTAL XYLENES	N.D.	5.0	N.D.	--	1

Note: Estimated concentration due to matrix interference. Results bias high.

510-833-9548 01/21
FAX TO:ROB CAMPBELL @ 510/833-9546

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997

Submission #: 9701156
page 2

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997
re: One sample for Volatile Organics by GC/MS analysis, continued.
Method: *SW846 METHOD 8240A Nov 1990*

Client Sample ID: 1-3
Spl#: 113982 *Matrix:* SOIL
Sampled: January 13, 1997 *Run#:* 4972 *Analyzed:* January 15, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR

June Zhao
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997

Submission #: 9701156

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997
re: One sample for Volatile Organics by GC/MS analysis.
Method: *SW846 METHOD 8240A Nov 1990*

Client Sample ID: 1-5
Spl#: 113983 *Matrix:* SOIL
Sampled: January 13, 1997 *Run#:* 4972 *Analyzed:* January 15, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ACETONE	N.D.	20	N.D.	--	1
BENZENE	N.D.	5.0	N.D.	92.1	1
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	5.0	N.D.	--	1
METHYL ETHYL KETONE	N.D.	20	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	87.8	1
CHLOROETHANE	N.D.	5.0	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	10	N.D.	--	1
CHLOROFORM	N.D.	5.0	N.D.	--	1
CHLOROMETHANE	N.D.	10	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	95.7	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0	N.D.	--	1
1,2-DICHLOROPROPANE	N.D.	5.0	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0	N.D.	--	1
ETHYLBENZENE	N.D.	5.0	N.D.	--	1
2-HEXANONE	N.D.	20	N.D.	--	1
METHYLENE CHLORIDE	N.D.	10	N.D.	--	1
4-METHYL-2-PENTANONE (MIBK)	N.D.	20	N.D.	--	1
STYRENE	N.D.	5.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0	N.D.	--	1
TETRACHLOROETHENE	N.D.	5.0	N.D.	--	1
TOLUENE	N.D.	5.0	N.D.	91.2	1
1,1,1-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROETHENE	N.D.	5.0	N.D.	87.4	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
VINYL ACETATE	N.D.	50	N.D.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TOTAL XYLENES	N.D.	5.0	N.D.	--	1

Note: Estimated concentration due to matrix interference. Results bias high.

510-833-9548 DC 01/21
FAX TO:ROB CAMPBELL @ 510/838-9548

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997

Submission #: 9701156
page 2

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997
re: One sample for Volatile Organics by GC/MS analysis, continued.
Method: *SW846 METHOD 8240A Nov 1990*

Client Sample ID: **1-5**
Spl#: 113983 *Matrix:* SOIL
Sampled: January 13, 1997 *Run#:* 4972 *Analyzed:* January 15, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR

June Zhao
Chemist

Chip Poalinelli
Operations Manager

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997

Submission #: 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: **Surrogate** report for 3 samples for Volatile Organics by GC/MS
Method: SW846 METHOD 8240A Nov 1990
Lab Run#: 4972
Matrix: SOIL

Sample#	Client Sample ID	Surrogate	% Recovered	Recovery Limits
113981-1	1-1.5	4-BROMOFLUOROBENZENE	83.4	74-121
113981-1	1-1.5	D4-1,2-DICHLOROETHANE	102	70-121
113981-1	1-1.5	D8-TOLUENE	99.6	81-117
113982-1	1-3	4-BROMOFLUOROBENZENE	78.6	74-121
113982-1	1-3	D4-1,2-DICHLOROETHANE	108	70-121
113982-1	1-3	D8-TOLUENE	100	81-117
113983-1	1-5	4-BROMOFLUOROBENZENE	81.6	74-121
113983-1	1-5	D4-1,2-DICHLOROETHANE	98.2	70-121
113983-1	1-5	D8-TOLUENE	99.2	81-117

Sample#	QC Sample Type	Surrogate	% Recovered	Recovery Limits
114830-1	*Reagent blank (MDB)*	4-BROMOFLUOROBENZENE	97.2	74-121
114830-1	*Reagent blank (MDB)*	D4-1,2-DICHLOROETHANE	101	70-121
114830-1	*Reagent blank (MDB)*	D8-TOLUENE	97.1	81-117
114831-1	*Spiked blank (BSP)*	4-BROMOFLUOROBENZENE	99.6	74-121
114831-1	*Spiked blank (BSP)*	D4-1,2-DICHLOROETHANE	99.5	70-121
114831-1	*Spiked blank (BSP)*	D8-TOLUENE	99.6	81-117
114832-1	*Spiked blank duplicate (BSD)*	4-BROMOFLUOROBENZENE	95.3	74-121
114832-1	*Spiked blank duplicate (BSD)*	D4-1,2-DICHLOROETHANE	102	70-121
114832-1	*Spiked blank duplicate (BSD)*	D8-TOLUENE	98.2	81-117
114833-1	*Matrix spike (MS)*	4-BROMOFLUOROBENZENE	83.1	74-121
114833-1	*Matrix spike (MS)*	D4-1,2-DICHLOROETHANE	99.0	70-121
114833-1	*Matrix spike (MS)*	D8-TOLUENE	98.8	81-117
114834-1	*Matrix spike duplicate (MSD)*	4-BROMOFLUOROBENZENE	80.1	74-121
114834-1	*Matrix spike duplicate (MSD)*	D4-1,2-DICHLOROETHANE	98.6	70-121
114834-1	*Matrix spike duplicate (MSD)*	D8-TOLUENE	99.7	81-117

V051
QCSURR1229 JIEWEI 21-Jan-97 16:3

CHROMALAB, INC.

Environmental Services (SDB)

January 17, 1997 *Submission #:* 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: **1-1.5**
Spl#: 113981 *Matrix:* SOIL *Extracted:* January 15, 1997
Sampled: January 13, 1997 *Run#:* 4917 *Analyzed:* January 16, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	0.10	N.D.	57.8	1
BIS(2-CHLOROETHYL)ETHER	N.D.	0.10	N.D.	--	1
2-CHLOROPHENOL	N.D.	0.10	N.D.	68.3	1
1,3-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.10	N.D.	78.7	1
BENZYL ALCOHOL	N.D.	0.20	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
2-METHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS(2-CHLOROISOPROPYL)ETHER	N.D.	0.10	N.D.	--	1
4-METHYLPHENOL	N.D.	0.20	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.10	N.D.	67.8	1
HEXACHLOROETHANE	N.D.	0.10	N.D.	--	1
NITROBENZENE	N.D.	0.10	N.D.	--	1
ISOPHORONE	N.D.	0.10	N.D.	--	1
2-NITROPHENOL	N.D.	0.10	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS(2-CHLOROETHOXY)METHANE	N.D.	0.10	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	0.10	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	0.10	N.D.	77.7	1
NAPHTHALENE	N.D.	0.10	N.D.	--	1
4-CHLOROANILINE	N.D.	0.20	N.D.	--	1
HEXACHLOROBUTADIENE	N.D.	0.10	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	0.20	N.D.	75.4	1
2-METHYLNAPHTHALENE	N.D.	0.10	N.D.	--	1
HEXACHLOROCYCLOPENTADIENE	N.D.	0.10	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	0.10	N.D.	--	1
2-NITROANILINE	N.D.	0.50	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
ACENAPHTHYLENE	N.D.	0.10	N.D.	--	1
3-NITROANILINE	N.D.	0.10	N.D.	--	1
ACENAPHTHENE	N.D.	0.10	N.D.	76.6	1
2,4-DINITROPHENOL	N.D.	0.50	N.D.	--	1
4-NITROPHENOL	N.D.	0.50	N.D.	33.8	1
DIBENZOFURAN	N.D.	0.10	N.D.	--	1
2,4-DINITROTOLUENE	N.D.	0.10	N.D.	44.8	1
2,6-DINITROTOLUENE	N.D.	0.20	N.D.	--	1
DIETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1

CHROMALAB, INC.

Environmental Services (SDB)

January 17, 1997

Submission #: 9701156
page 2

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: One sample for Semivolatile Organic Compounds (B/NAs) analysis, continued.
Method: *SW846 Method 8270A Nov 1990*

Client Sample ID: 1-1.5
Spl#: 113981 *Matrix:* SOIL *Extracted:* January 15, 1997
Sampled: January 13, 1997 *Run#:* 4917 *Analyzed:* January 16, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	0.10	N.D.	--	1
4-NITROANILINE	N.D.	0.50	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	0.50	N.D.	--	1
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.10	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1
HEXACHLOROBENZENE	N.D.	0.10	N.D.	--	1
PENTACHLOROPHENOL	N.D.	0.50	N.D.	40.5	1
PHENANTHRENE	N.D.	0.10	N.D.	--	1
ANTHRACENE	N.D.	0.10	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	2.0	N.D.	--	1
FLUORANTHENE	N.D.	0.10	N.D.	--	1
PYRENE	N.D.	0.10	N.D.	72.3	1
BUTYL BENZYL PHTHALATE	N.D.	0.50	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	0.20	N.D.	--	1
BENZO(A)ANTHRACENE	N.D.	0.10	N.D.	--	1
BIS(2-ETHYLHEXYL)PHTHALATE	N.D.	0.50	N.D.	--	1
CHRYSENE	N.D.	0.10	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	0.50	N.D.	--	1
BENZO(B)FLUORANTHENE	N.D.	0.10	N.D.	--	1
BENZO(K)FLUORANTHENE	N.D.	0.20	N.D.	--	1
BENZO(A)PYRENE	N.D.	0.050	N.D.	--	1
INDENO(1,2,3 C,D)PYRENE	N.D.	0.20	N.D.	--	1
DIBENZO(A,H)ANTHRACENE	N.D.	0.20	N.D.	--	1
BENZO(G,H,I)PERYLENE	N.D.	0.20	N.D.	--	1
BENZOIC ACID	N.D.	0.50	N.D.	--	1

Michael Lee
Chemist

Chip Poalinelli
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

January 21, 1997 *Submission #:* 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Nov 1990*

Client Sample ID: 1-1.5
Spl#: 113981 *Matrix:* SOIL *Extracted:* January 21, 1997
Sampled: January 13, 1997 *Run#:* 4892 *Analyzed:* January 21, 1997

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	84.9	1
DIELDRIN	N.D.	2.0	N.D.	87.4	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	83.2	1
HEPTACHLOR	N.D.	2.0	N.D.	86.1	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	88.0	1
4,4'-DDE	N.D.	2.0	N.D.	--	1
4,4'-DDD	N.D.	10	N.D.	--	1
ENDOSULFAN I	N.D.	10	N.D.	--	1
ENDOSULFAN II	N.D.	10	N.D.	--	1
ALPHA-BHC	N.D.	2.0	N.D.	--	1
BETA-BHC	N.D.	2.0	N.D.	--	1
GAMMA-BHC (LINDANE)	N.D.	2.0	N.D.	83.7	1
DELTA-BHC	N.D.	2.0	N.D.	--	1
ENDOSULFAN SULFATE	N.D.	10	N.D.	--	1
4,4'-METHOXYCHLOR	N.D.	10	N.D.	--	1
TOXAPHENE	N.D.	10	N.D.	--	1
CHLORDANE	N.D.	10	N.D.	--	1

Dennis Mayugba
Chemist

Alex Tam
Semivolatiles Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

January 16, 1997 *Submission #:* 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: 1 sample for Lead analysis.
Method: *EPA 3050A/7420A*

Matrix: SOIL *Extracted:* January 16, 1997
Sampled: January 13, 1997 *Run#:* 4876 *Analyzed:* January 16, 1997

Spl#	CLIENT SPL ID	LEAD (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
113981	1-1.5	33	5.0	N.D.	98.8	1

Christopher Arndt
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

January 20, 1997 *Submission #:* 9701156

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH-HAYWARD *Project#:* E333
Received: January 15, 1997

re: 1 sample for STLC Lead analysis.
Method: *3005A/6010A Nov 1990*

Matrix: SOIL *Extracted:* January 20, 1997
Sampled: January 13, 1997 *Run#:* 4929 *Analyzed:* January 20, 1997

Spl#	CLIENT SPL ID	LEAD (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
113983	1-5	N.D.	1.0	N.D.	97.2	1

Charles Woolley
Chemist

John S. Labash
Inorganic Supervisor

31632

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane • Pleasanton, California 94566-4756
510/484-1919 • Facsimile 510/484-1096

Chain of Custody

DATE 1/15/97 PAGE 1 OF 1

PROJ. MGR Rob Campbell
COMPANY TerraSearch, Inc.
ADDRESS 11840 Dublin Blvd.
Dublin, CA 94568
SAMPLERS (SIGNATURE) Robert D. Campbell
(PHONE NO.) (510) 833-7257
(FAX NO.) (510) 838-9548

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel (TEPH) (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)		LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP/STLC) Lead				NUMBER OF CONTAINERS
1-1.5	1/13/97		Soil				X			X	X	X		X						X					1
1-3	1/13/97		Soil							X		X	1/23/97 TE												1
1-5	1/13/97		Soil							X		X	1/23/97 TE							X					1

PROJECT INFORMATION
PROJECT NAME: Spanish Ranch-Hayward
PROJECT NUMBER: 8333
P.O. #: 8333

SAMPLE RECEIPT
TOTAL NO. OF CONTAINERS: 3
HEAD SPACE:
REC'D GOOD CONDITION/COLD:
CONFORMS TO RECORD:

TAT: STANDARD 5-DAY | 24 | 48 | 72 | OTHER

SPECIAL INSTRUCTIONS/COMMENTS:
Please fax results to me for further analysis

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Robert D. Campbell (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) Robert D. Campbell (DATE) 1/15/97	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) TerraSearch, Inc.	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) Mimie Park (TIME) 1150
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) Mimie Park (DATE) 1/15/97
(COMPANY)	(COMPANY)	(LAB) Chromalab