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ENVIRONMENTAL PROTECTION

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GEOMATRIX

Transmittal

Sent Via: ☐ **Messenger** ☐ **U.S. Mail** ☒ **Overnight Mail**

Date: March 16, 2000

To: Susan Hugo
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

From: Ann Holbrow

cc:

Project Number: 6262

Project Name: Canterbury Residential Development, Hayward, California

Item	Description
1	Initial Subsurface Environmental Site Assessment Report
2	Additional Subsurface Environmental Assessment Report
3	Underground Storage Tank Removal and Closure Report

Remarks

For your review.

INITIAL SURFACE AND SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT REPORT

at

Selected Properties
Olympic and Taylor Avenues
Hayward, California

for

SUMMERHILL HOMES

By

TERRASEARCH, inc

Project No. E7618
March 9, 1998

GEOTECHNICAL ENGINEERS AND GEOLOGISTS
TERRASEARCH INC.
11840 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA 94568 (510) 833-9297 FAX (510) 833-9548

Project No. E7618
March 9, 1998

Mr. Reyad Katwan
SummerHill Homes
777 California Avenue
Palo Alto, California 94304

Subject: Existing Transmission and Auto Repair Building
Selected Properties
Olympic and Taylor Avenues
Hayward, California
INITIAL SURFACE AND SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT REPORT

Dear Mr. Katwan:

In accordance with your authorization, ***TERRASEARCH, inc.*** has prepared this Report for an Initial Surface and Subsurface Environmental Site Assessment for the above referenced site.

The following is a copy of the final report which includes the results and findings of our assessment.

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

Very truly yours,
TERRASEARCH, inc.

Reviewed by:

Tom Makdissy, G.E.
Principal Engineer

REGISTERED GEOLOGIST
ROBERT D. CAMPBELL
No. 6454
Exp. 11-30-98
STATE OF CALIFORNIA

Robert D. Campbell, R.G.
Project Geologist

Copies: 3 to SummerHill Homes

SINCE 1969
6840 VIA DEL ORO, SUITE 110, SAN JOSE, CALIFORNIA 95119-1348 (408) 362-4920 FAX (408) 362-4926

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for
SummerHill Homes

INTRODUCTION

At the request of SummerHill Homes (SummerHill), ***TERRASEARCH, inc.*** has prepared this report that presents the findings and results of the initial surface and subsurface environmental site assessment to evaluate the lateral and vertical extent of potential agricultural and automobile contaminants (i.e. organochloride pesticides, herbicides, cleaning solvents, petroleum hydrocarbons, and metals) within the subsurface soil and groundwater beneath and immediately surrounding the existing three transmission and automobile repair shops at 670 Olympic Avenue and residences along Olympic and Taylor Avenues in Hayward, California.

This initial subsurface environmental site assessment was performed in response to ***TERRASEARCH, inc.***'s recommendations presented within the Phase I Environmental Site Assessment dated October 24, 1997, and to satisfy environmental site conditions contract clause prior to the land acquisition between the current land owners and SummerHill.

SITE DESCRIPTION AND BACKGROUND

General

The property is situated on the central-eastern portion of the San Francisco Bay within the greater San Francisco Bay region. The subject area is located approximately one-mile west of the Walpert Ridge (Hayward Hills), between Olympic Avenue, Taylor Avenue, and Huntwood Avenue in Hayward, California (see Figure 1, Site Vicinity Map). The subject area includes addresses 524, 550, 577, 590, 670, and 687 Olympic and 29335, 29363, 29367, and 29373

Taylor Avenues. The subject area is mixed residential, commercial, and light industrial activities, including RV and automobile parking lots.

The subsurface environmental site assessment portion of the site was located at 670 Olympic Avenue, which consisted of a commercial/light industrial building with five suites. Three suites were used as automobile repair shops, and the other two suites were used as storage areas for automobiles. The automobile repair shops included Japanese Engines & Transmissions, and DDM Enterprises. Both automobile repair shops serviced both automobiles and trucks, including: brakes; transmissions; engines; etc. Based on the results of the Phase I Environmental Site Assessment dated October 27, 1998, extensive hydrocarbon/solvent-staining was observed on the concrete floors, and approximately 30-40 gallons of waste-oil was observed being stored within DDM Enterprises (in one 55-gallon drum and various 5-gallon buckets). The concrete floors appeared to be cracked in the areas that were stained. In addition, various automobiles and trucks were being stored on the site.

The local topography at the site is approximately 10 feet above mean sea level (msl) and is approximately 500 to 1,200 feet northwest of Alameda Creek. Alameda Creek is a perennial creek that drains from the Hayward Hills to the San Francisco Bay. Drainage at the site appears to be toward the southwest, along local topography.

Local Geology and Hydrogeology

Based on published materials by Helley et al. (1979), the materials underlying the site consist of medium grained alluvium deposits that are very young (within Holocene Age) deposits that have been deposited in floodplains and in some narrow canyons as valley fills and stream terraces west of the subject site. The medium-grained alluvial deposits consist of unconsolidated, moderately sorted, moderately permeable fine sand, silt, and clayey silt with occasional thin beds of coarse sand. The origin of these younger fluvial deposits are similar to young alluvial fan deposits, but are deposited farther from source. This deposit has a maximum thickness of approximately 12 feet.

The Hayward Fault is approximately 1-mile east of the subject site, and is considered active by the Alquist-Priolo Fault Zones Act (1994). The Hayward Fault is considered a strike-slip fault with right-lateral motion.

Based on information provided to ***TERRASEARCH, inc.*** by the CHFD from another leaking fuel site, the depth to local groundwater ranges between 10 to 15 feet below ground surface (bgs). Based on the topography, the groundwater would be assumed to flow toward the west;

however, on a site located on Ruus Lane (approximately 0.37-mile to the southwest), groundwater has been consistently flowing toward the east-southeast.

FIELD WORK

Prior to commencement of any field work, Underground Service Alert (USA) was contacted two days before drilling activities were initiated at the subject site to identify any underground utilities beneath the subject site. ***TERRASEARCH, inc.*** contacted the City of Hayward Fire Department (CHFD) to obtain a drilling permit for this project. However, the CHFD said that a drilling permit was not necessary for this project.

Direct-Push Advancement

On February 26, 1998, a ***TERRASEARCH, inc.*** field geologist observed Precision Sampling, Inc. (PSI) of San Rafael, California (C57# 636387) advance four borings (B-1 through B-4) beneath the subject building and in its immediate vicinity to depths ranging from 13 feet to 25 feet below ground surface (bgs) using a PSI XD-1 hydraulically driven sampling rig equipped with an Enviro-Core Sampling System. Selected soil samples collected from the borings for retained for description and possible laboratory analysis. The locations of borings B-1 through B-4 are shown on Figure 2, Site Plan. Discussion of the Enviro-Core Sampling System is attached in Appendix A, Enviro-Core Sampling System Description. The Logs of Borings B-1 through B-4 are attached to Appendix B.

Soil Sampling and Description

Utilizing the Enviro-Core Sampling System, the field geologist was able to continuously log each boring according to the United Soil Classification System (USCS), and evaluate each sample for odor, staining, and determine which soil samples were to be retained for laboratory analysis. Once a three-foot section of continuous soil samples were obtained from the boring, the ends of one soil sample were covered with Teflon tape, capped with plastic end caps, and immediately placed in a pre-chilled ice-chest that was constantly kept at a temperature of approximately four degrees Celsius for temporary storage before being delivered to a laboratory for analysis. Twenty-five soil samples were retained from the borings for possible laboratory analysis.

In addition, six surficial soil samples (1 through 6) were collected from the subject site and vicinity using a hand-auger and slide-hammer lined with pre-cleaned brass liners. Each surficial soil sample

was removed from the slide-hammer, labeled, and placed in a pre-chilled ice chest for temporary storage until delivered to the laboratory for analysis.

Groundwater "Grab" Sampling

Once the soil samples were collected from each boring and groundwater was encountered, a pre-washed, clean stainless steel bailer was lowered within the Enviro-Core casing and the bailer was allowed to fill with groundwater. The bailer was then raised to the surface, and the groundwater was carefully poured into three 40 milliliter VOAs that were pre-filled with hydrochloric acid. Each VOA was checked for head space before being immediately placed into a pre-chilled ice-chest (held at a temperature of approximately 4 degrees Celsius) for temporary storage before being delivered to the laboratory for analysis.

Details of field procedures are discussed in Appendix C, Field Methods and Procedures.

LABORATORY METHODS

Thirty-one soil and four sets of groundwater "grab" samples were placed in a pre-chilled ice-chest that was cooled to a temperature of approximately four degrees Celsius and delivered under chain-of-custody records to Chromalab, Inc. of Pleasanton, California, a State-certified hazardous waste testing laboratory (Certification No. 1096) for analysis. Selected soil and groundwater "grab" samples were analyzed for total oil and grease (TOG) using Standard Method 5520D&F, halogenated volatile organics (HVOs) using Environmental Protection Agency (EPA) Method 8240, total petroleum hydrocarbons reported as gasoline (TPHg) and diesel (TPHd) using EPA Method 8015 (modified), priority pollutant metals using EPA Method series 6000/7000, organochloride pesticides and herbicides using EPA Methods 8080 and 8150, and two soil of the samples were analyzed for acid/base extractables using EPA Method 8270.

FIELD WORK RESULTS

Direct-Push Observations

The subsurface soil encountered beneath the site generally consisted of six to seven feet of black to dark olive green gravelly silty clay to clayey gravel that was underlain by sandy clay to approximately nine to thirteen feet bgs. Beneath the sandy clay layer, a saturated silty sand to clayey sand layer was encountered that extended to approximately twelve to eighteen feet bgs, and

was underlain by a silty clay unit. It should be noted that oily wood-chips were encountered within borings B-3 and B-4 at approximately four feet in depth (soil sample 3-4 and 4-4). Groundwater was encountered under confined conditions within the sand layer, which rose approximately five feet from its initial measured level after 20 minutes. A more detailed description of the subsurface materials encountered at the site are shown on Logs of Borings B-1 through B-4 in Appendix B.

RESULTS OF LABORATORY ANALYSES

Soil Samples

Soil samples 1-4, 1-19, 2-6, 3-4, 3-7, 3-13, 4-4, 4-5.5, and 4-11.5 were analyzed for TPHg and TPHd, TOG, HVOs, and priority pollutant metals. Soil samples 3-4 and 4-4 were analyzed for acid/base extractables, and soil samples 1 through 6 were analyzed for organochloride pesticides and herbicides. In addition, soil samples 1-4, 2-4, 3-4, and 4-4 were analyzed for organochloride pesticides. HVOs and acid/base neutrals were not detected in any soil sample analyzed (less than 5 to 50 micrograms per kilogram [µg/Kg] and less than 2 to 50 micrograms per kilogram [mg/Kg]), respectively. TPHg was not detected in any soil sample analyzed (less than 1.0 mg/Kg), while most soil samples analyzed reported no detectable concentrations of TPHd (less than 1.0 mg/Kg), with the exception of soil samples 3-4 (3.4 mg/Kg), 3-13 (3.2 mg/Kg), and 4-4 (5.3 mg/Kg), respectively. TOG was not detected in most soil samples analyzed (less than 50 mg/Kg), with the exception of soil sample 3-4 (130 mg/Kg), respectively. Priority pollutant metals antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, zinc, and mercury ranged in concentration from not detected (less than 0.5 mg/Kg) for beryllium to 40 mg/Kg for zinc. Herbicides were not detected (less than 20 µg/Kg to 1,000 µg/Kg) in soil samples 1 through 6, and 1-4, 2-4, 3-4, and 4-4, and organochloride pesticides were not detected (less than 2 µg/Kg to 10 µg/Kg) in soil samples 1, 2, 5, 6, 1-4, or 3-4, respectively. Very low concentrations of organochloride pesticides (0.040 mg/Kg total pesticides) were detected in soil samples 3, 4, 3-4, and 4-4. Laboratory analytical results are shown on Table 1, Laboratory Analytical Results of Soil and Groundwater "Grab" Samples and are attached to Appendix D, Laboratory Analytical Reports and Chain-of-Custody Documents.

Groundwater "Grab" Samples

Groundwater "grab" samples B-1 through B-4 were analyzed for TPHg, TPHd, TOG, HVOs, and priority pollutant metals. The laboratory analytical results for the groundwater "grab" samples reported that TPHg and TPHd were not detected (less than 50 micrograms per liter [µg/L] and 120 to 200 µg/L), TOG was not detected (less than 2 milligrams per liter [mg/L] to 4 mg/L), and HVOs

were not detected (less than 0.5 µg/L to 5 µg/L). Priority pollutant metals were detected at very low concentrations ranging from less than 0.005 mg/L for silver to 1.9 mg/L for nickel.

DISCUSSION OF RESULTS

The black soil encountered within borings B-1 and B-2 from approximately three to seven feet bgs appears to be highly organic soil, and not contaminated by petroleum hydrocarbons based on the not detected concentrations of TOG, TPHg, and TPHd reported from soil samples collected from this layer. The soil and groundwater beneath the building (670 Olympic Avenue) appears to not have been adversely affected by the automobile repair activities conducted within this building.

The detectable concentration of TOG (130 mg/Kg) from the oily wood chip soil sample 3-4 and the detectable concentrations of TPHd reported from soil samples 3-4, 3-13, and 4-4 indicate that heavy-range petroleum hydrocarbons have impacted the soil beneath the parking lot, south-southwest of the concrete pad of the building at 670 Olympic Avenue. This oily soil appears to be limited from beneath the asphalt to approximately 5 feet bgs, and may be imported fill from a contaminated source. The groundwater beneath these soil samples was not impacted by petroleum hydrocarbons, indicting that the contamination is limited to the initial five feet of soil as shown on Figure 2.

Priority pollutant metals were detected in the soil and groundwater beneath the site, however, the concentrations ranged from no detected to a high of 40 mg/Kg of zinc in soil. These concentrations depict background levels for the region. Halogenated volatile organics, acid/base neutrals, total petroleum hydrocarbons reported as gasoline, and herbicides were not detected in any soil sample analyzed at the site, suggesting that these chemicals have not impacted the subsurface soil and/or groundwater beneath the site.

The low concentrations of organochloride pesticides detected within the surficial soil samples collected from the site indicate that organochloride pesticides were used on the subject site. Since the concentrations are well below the State Action Level of 1 mg/Kg (highest concentration was 0.040 mg/Kg), they are not considered a hazardous waste and do not appear to pose a significant environmental risk to the subject site.

CONCLUSIONS

TERRASEARCH, inc. concludes the following, based on the results of this initial surface and subsurface environmental site assessment:

- The groundwater beneath the site has not been impacted by TPHg, TPHd, TOG, HVOs, acid/base neutrals, or priority pollutant metals.

- The soil beneath the building at 670 Olympic Avenue in Hayward, California, appears to not have been impacted by TPHg, TPHd, TOG, HVOs, acid/base neutrals, or priority pollutant metals.

- The soil beneath the parking lot immediately south-southwest of the building at 670 Olympic Avenue appears to have been slightly impacted by petroleum hydrocarbons TPHd and TOG from immediately beneath the asphalt to approximately 5 feet bgs. However, the groundwater beneath the parking lot appears to not have been impacted by TPHd or TOG, suggesting that the source of this hydrocarbon impacted soil originated from the fill beneath the parking lot.

- Very low concentrations of organochloride pesticides were detected in some surficial soil samples, indicating that organochloride pesticides were used on the subject site. However, these residues of organochloride pesticides do not appear to pose a significant environmental risk to the subject site.

RECOMMENDATIONS

Based on the conclusions, ***TERRASEARCH, inc.*** recommends that further investigation of this site is **not** warranted; however, the following should be performed:

- Submittal of this report to the Alameda County Health Care Services Agency, City of Hayward Fire Department, and California Regional Water Quality Control Board - San Francisco Bay Region for their review and evaluation of the site for residential development.

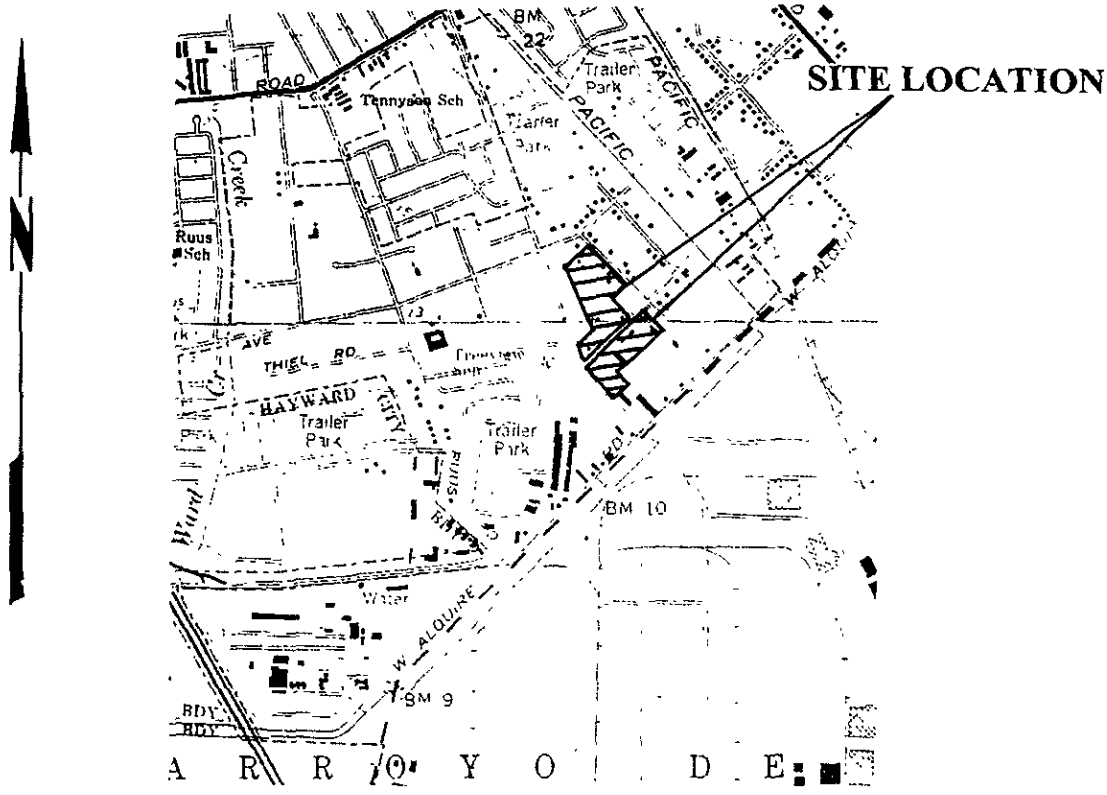
LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was conducted. This assessment was conducted solely for the purpose of evaluating environmental conditions of subsurface soil and groundwater with respect to potential chemicals associated with the former agricultural land usage and automobile repair shops, such as: organochloride pesticides and herbicides, TPHg, TPHd, TOG, HVOs, acid/base neutrals, and priority pollutant metals. No soil engineering or geotechnical implications are stated or should be inferred. Evaluation of the hydrogeologic conditions at the site for the purpose of this assessment was conducted from a limited number of observation points. Subsurface conditions may vary away from the data points available at the site.

REFERENCES

Helley, E.J. and LaJoie, K. R., 1979. *Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning*, U.S.G.S. Geological Professional Paper 943.

Terrasearch, Inc., October 24, 1997. *Phase I Environmental Site Assessment at Selected Properties on Olympic and Taylor Avenues, Hayward, California.* Project No. E7618.



Scale: 1" = 2,000'

Source: **USGS Newark and Hayward Quadrangles, 7.5-Minute Topographic Maps, dated 1959 (photorevised 1980)**

TERRA SEARCH INC.	FIGURE NO. 1, SITE VICINITY MAP

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Project No. E7618 March 9, 1998

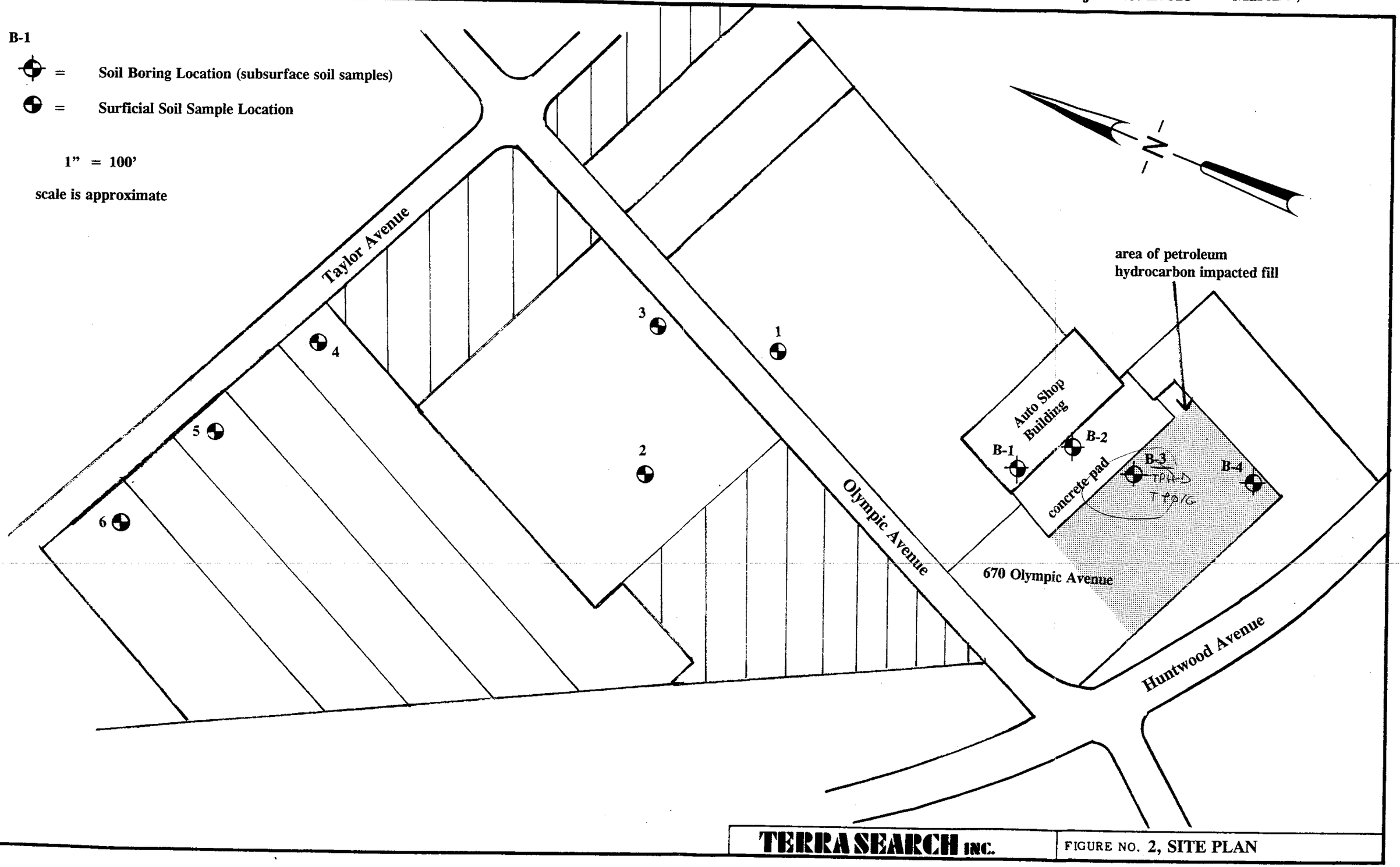
B-1

= Soil Boring Location (subsurface soil samples)

= Surficial Soil Sample Location

1" = 100'

scale is approximate



TERRA SEARCH INC.

FIGURE NO. 2, SITE PLAN

TABLE 1

LABORATORY ANALYTICAL RESULTS OF SOIL AND GROUNDWATER "GRAB" SAMPLES

Hayward, California

February 26, 1998

Sample ID	Sample	Sample Depth	TPHg	TPHd	TOG	HVOs	Pesticides*	Herbicides
1-4	Soil	4 feet	<1 mg/Kg	<1 mg/Kg	<50 mg/Kg	<5 to <50 µg/Kg	ND	NA
1-19	Soil	19 feet	<1 mg/Kg	<1 mg/Kg	<50 mg/Kg	<5 to <50 µg/Kg	NA	NA
2-4	Soil	4 feet	NA	NA	NA	NA	**0.021 mg/Kg**	NA
2-6	Soil	6 feet	<1 mg/Kg	<1 mg/Kg	<50 mg/Kg	<5 to <50 µg/Kg	NA	NA
3-4	Soil	4 feet	<1 mg/Kg	**3.4 mg/Kg**	**130 mg/Kg**	<5 to <50 µg/Kg	ND	NA
3-7	Soil	7 feet	<1 mg/Kg	<1 mg/Kg	<50 mg/Kg	<5 to <50 µg/Kg	NA	NA
3-13	Soil	13 feet	<1 mg/Kg	**3.2 mg/Kg**	<50 mg/Kg	<5 to <50 µg/Kg	NA	NA
4-4	Soil	4 feet	<1 mg/Kg	**5.3 mg/Kg**	<50 mg/Kg	<5 to <50 µg/Kg	**0.0048 mg/Kg**	NA
4-5 5	Soil	5.5 feet	<1 mg/Kg	<1 mg/Kg	<50 mg/Kg	<5 to <50 µg/Kg	NA	NA
4-11.5	Soil	11.5 feet	<1 mg/Kg	<1 mg/Kg	<50 mg/Kg	<5 to <50 µg/Kg	NA	NA
1	Soil	0.5 foot	NA	NA	NA	NA	ND	ND
2	Soil	0.5 foot	NA	NA	NA	NA	ND	ND
3	Soil	0.5 foot	NA	NA	NA	NA	**0.040 mg/Kg**	ND
4	Soil	0.5 foot	NA	NA	NA	NA	**0.0026 mg/Kg**	ND
5	Soil	0.5 foot	NA	NA	NA	NA	ND	ND
6	Soil	0.5 foot	NA	NA	NA	NA	ND	ND
B-1	Water	9 feet	<50 µg/L	<120 µg/L	<2 5 mg/L	<0.5 to <5 µg/L	NA	NA
B-2	Water	7 feet	<50 µg/L	<120 µg/L	<2.5 mg/L	<0.5 to <5 µg/L	NA	NA
B-3	Water	5 feet	<50 µg/L	<200 µg/L	<2.0 mg/L	<0.5 to <5 µg/L	NA	NA
B-4	Water	5 feet	<50 µg/L	<100 µg/L	<4.0 mg/L	<0.5 to <5 µg/L	NA	NA

TPHg = Total petroleum hydrocarbons reported as gasoline by EPA Method 8015.

TPHd = Total petroleum hydrocarbons reported as diesel by EPA Method 8015.

TOG = Total oil and grease by SM 5520E&F.

HVOs = Halogenated Volatile Organics by EPA Method 8240.

Acid/base neutrals by EPA Method 8270 were not detected in soil samples 3-4 and 4-4.

Organochloride pesticides by EPA Method 8080 and Herbicides by EPA Method 8150.

Priority pollutant metals were detected either below or within background levels for both soil and groundwater.

* = Concentrations reported as total pesticides (see laboratory results for pesticide constituents).

< = Indicates less than laboratory detection limit of chemical constituent.

NA = Not Analyzed.

ND = Not Detected.

mg/Kg = Milligrams per kilogram (equivalent to parts per million [ppm]), in soil.

mg/L = Milligrams per liter (equivalent to ppm), in water.

µg/Kg = Micrograms per kilogram (equivalent to parts per billion [ppb]), in soil.

µg/L = Micrograms per liter (equivalent to ppb), in water.

APPENDIX A

ENVIRO-CORE SAMPLING SYSTEM DISCRIPTION

PRECISION TECHNICAL NOTE No. 2

The Enviro-Core® Sampling System

The Enviro-Core® system is a patented dual-tube or "cased" direct push sampling system developed by Precision Sampling. Enviro-Core uses small-diameter drive casing to prevent the probe hole from collapsing between sampling runs, thereby eliminating the potential for cross-contamination of soil samples. Enviro-Core also allows soil gas sampling, groundwater sampling, monitoring well installation, and reliable retraction grouting.

The Enviro-Core system consists of small-diameter drive casing and an inner sample barrel that are simultaneously pushed, pounded, or vibrated into the ground*(1)*. Soil cores are collected in liners inside the sample barrel. After being advanced three feet, the full sample barrel is retrieved, while the drive casing is left in place to prevent the probe hole from collapsing. The drive casing ensures that subsequent soil samples are collected from the targeted interval, rather than potentially-contaminated slough from higher up in the probe hole.

The system is most often used for collecting continuous soil cores, however, use of an internal retractable "displacement point" allows depth-specific "discrete coring" (Figure 1). Attached to the internal threaded rods, the displacement point allows the Enviro-Core to be advanced through soil without collecting any soil cores. Water-tight seals affixed to the end of the displacement point prevent water or soil from entering the Enviro-Core drive casing. Once the top of the desired sampling interval is reached, the displacement point is removed and replaced with a sample barrel. Continued advancement forces soil up inside of the sample barrel. After soil cores have been collected from the desired interval, the displacement point can be re-inserted, and the Enviro-Core drive casing quickly advanced to the next sampling depth.

The drive casing is available in sizes up to 3.5 inches outside diameter (OD) and is machined into 3-foot-long, flush-threaded sections. A heat-treated steel drive shoe is threaded onto the bottom piece of drive casing, and a steel drive head is threaded onto the top section of casing (Figure 1).

The sample barrel is made of a 3-foot-long section of thin-walled steel tubing. The sample barrel has an OD slightly smaller than the inside diameter (ID) of the drive casing to allow it to be raised and lowered freely inside the drive casing. The bottom of the sample barrel rests on a shoulder cut into the drive shoe. The sample barrel contains six 6-inch-long stainless steel liners or one clear plastic liner. Split sample barrels are also available. Soil cores up to 2.6 inches in diameter can be collected with the Enviro-Core system. A synthetic sample catcher is affixed to the bottom of the sample barrel to prevent loose sediments from falling out of the sample liners when the sample barrel is retrieved.

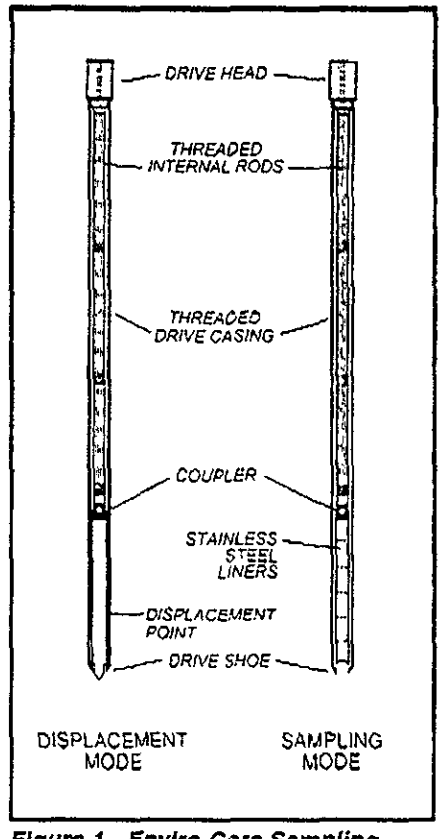


Figure 1 - Enviro-Core Sampling System

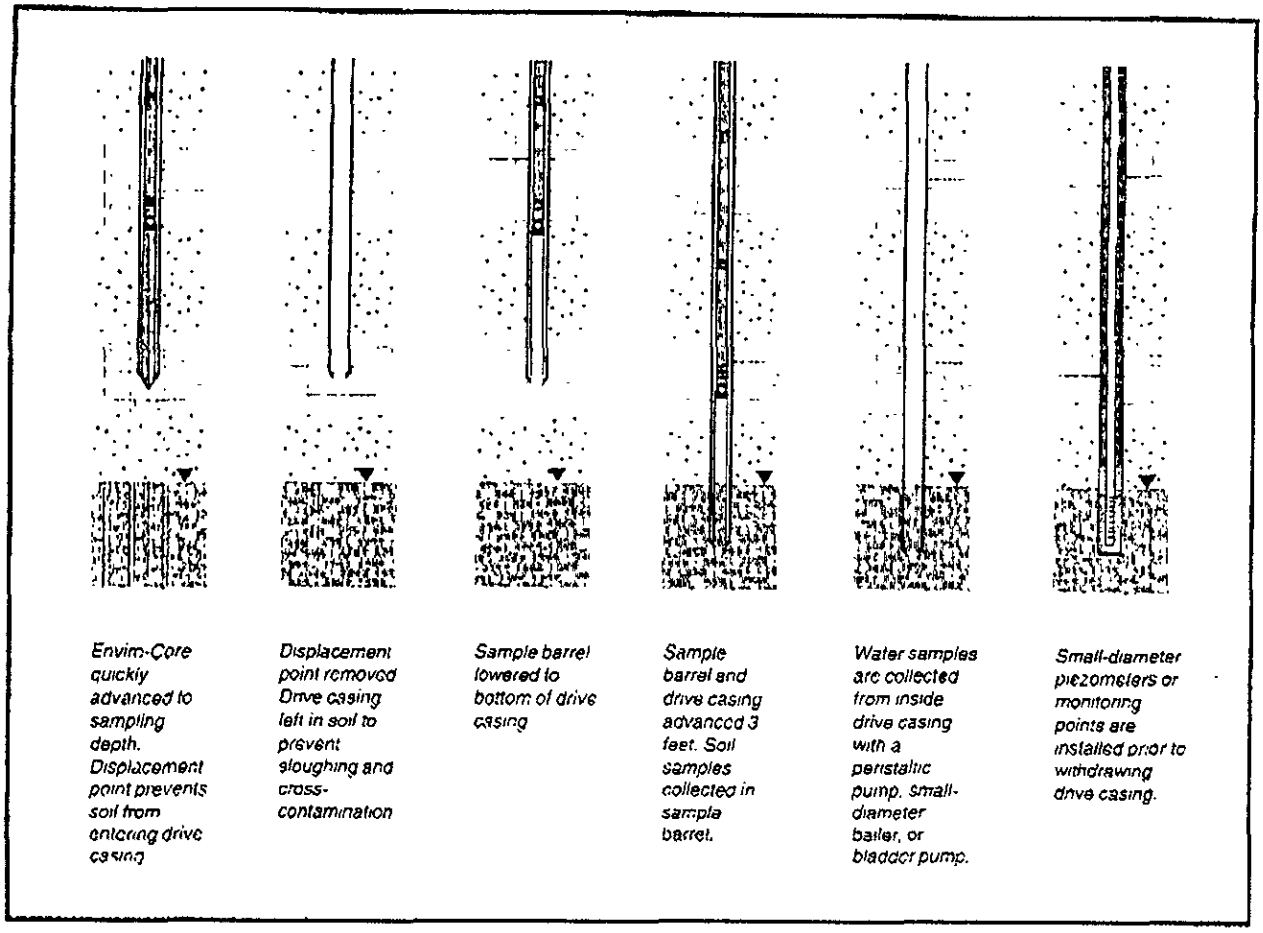


Figure 2 - Typical Soil and Groundwater Sampling Sequence

The inner barrel and drive casing are advanced into the ground simultaneously, requiring an effective means of coupling the inner barrel with the outer drive casing. This is achieved in one of two ways. The first method, referred to as the internal rod method, uses internal steel rods to keep the inner sample barrel seated against the drive shoe (Figure 1). The internal rods (three-foot sections of 1.38-inch-diameter steel sampling rods) serve several purposes. First, they are used to lower the empty inner barrel (or the displacement point) to the bottom of the steel-cased probe hole. Then, the rods are placed in compression inside of the drive casing by attaching the drive head. This keeps the bottom of the sample barrel (or displacement point) snug against the shoulder of the drive shoe. Finally, after the three foot run is complete and the sample liners are full of soil, the inner barrel (containing the stainless steel sample liners and soil) is retrieved by removing the internal rods. A typical soil sampling sequence is shown in Figure 2.

While the internal rod method works well at shallow depths, recent improvements in the methods used to advance the Enviro-Core system have made it possible to advance the Enviro-Core system to depths greater than 100 feet. This, in turn, required a faster way to withdraw the sample barrel (or displacement point) from the drive casing. An inflatable packer, commonly used to seal boreholes during hydraulic testing, was modified to provide a means of connecting the sample barrel to the drive casing (Figure 3). With this method, the sample barrel is coupled to the inflatable packer. The packer/inner barrel assembly is quickly lowered to the bottom of the drive casing with a wireline. The shoulder in the drive shoe prevents the sample barrel from protruding beyond the bottom of the drive casing. The packer is then inflated with compressed nitrogen, rigidly coupling the sample barrel to the drive casing. The sample barrel and drive casing are then simultaneously advanced three feet, filling the sample liners inside of the inner barrel with soil. The packer is then deflated, and the sample barrel/packer assembly is quickly removed from the boring with a winch.

After the sample barrel has been retrieved, the sample liners are removed for chemical analysis or lithologic identification. If deeper soil cores are needed, a new three-foot sample barrel, fitted with empty stainless steel liners or a clear plastic liner, is quickly lowered to the bottom of the probe hole. The sample

barrel is then secured to the bottom of the drive casing. An additional three-foot section of drive casing is attached at the surface, followed by re-attachment of the drive head. The sample barrel and drive casing are simultaneously advanced three more feet, and then the sample barrel is again de-coupled and removed from the drive casing. This process is repeated until the desired depth is reached.

Small-diameter single- or multi-level piezometers, monitoring wells, air sparging points, and soil vapor extraction (SVE) wells can be installed in the probe holes as the Enviro-Core drive casing is withdrawn.

Probe holes that are not converted to monitoring or remediation devices need to be sealed in accordance with state and local regulations to prevent contaminant migration After the last soil core has been collected and the sample barrel has been removed, only the drive casing remains in the ground. Since the drive casing provides an open conduit to the bottom of the boring, it is an ideal tremie pipe. For grouting shallow borings, a bentonite or cement-bentonite slurry is poured into the drive casing from the ground surface as the casing is retracted. Grouting as the drive casing is retracted is referred to as "retraction grouting" and is preferred by most state and local regulatory agencies In deeper borings, retraction grouting is accomplished by pumping grout to the bottom of the boring through polyethylene tubing placed inside of the drive casing. The grout slurry is pumped as the drive casing is pulled back, ensuring a high-quality seal

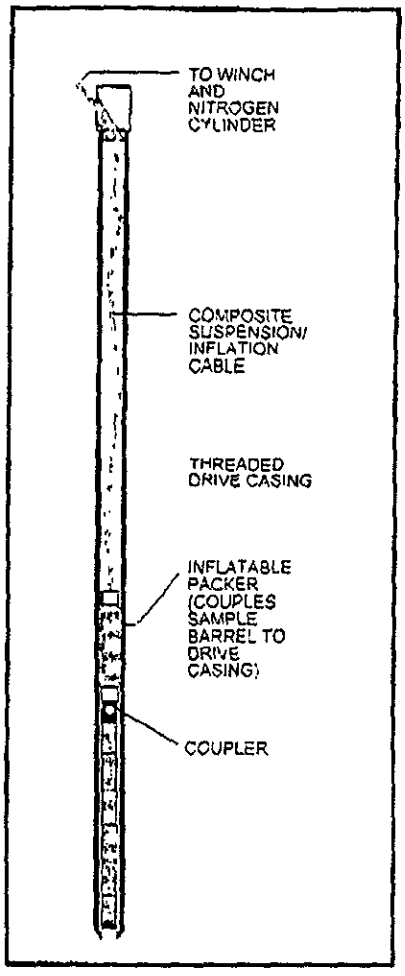


Figure 3 - Packer used to couple inner barrel to outer drive casing

REFERENCE:

(1) Einarson, Murray D. 1995. *Enviro-Core® - A New Direct-Push Technology for Collecting Continuous Soil Cores,* in Proceedings of Ninth National Outdoor Action Conference & Exposition, May 2-4, 1995, Las Vegas, Nevada pp 419-433.

ADVANTAGES OF ENVIRO-CORE®

- Drive casing prevents probe hole from collapsing between sampling runs
- Eliminates cross-contamination of soil samples
- Facilitates rapid continuous soil coring
- Allows efficient "discrete sampling" of specific depth intervals
- Collects soil cores as large as 2.6-inches in diameter for chemical or geotechnical analyses
- Collects soil cores in stainless steel sleeves, clear plastic liners, split-barrels, or thin-walled tubes
- Rugged components allow deeper sampling than with other direct push systems
- Can collect depth-discrete soil gas samples
- Can collect groundwater samples with bailer or bladder pump
- Can install single or multi-level monitoring wells
- Can install sparge points or other remediation devices
- No deflection of probe rods as with other smaller-diameter DP systems
- Facilitates geophysical logging in a cased hole
- Allows reliable retraction grouting through the drive casing
- Ideal for geotechnical investigations

APPENDIX B

LOGS OF BORINGS

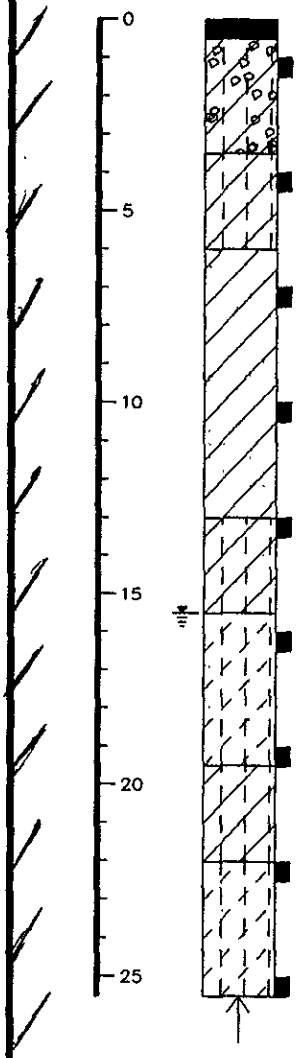
LOG OF TEST BORING

BORING B-1

Boring No: B-1
Date Drilled: 2/26/98
Elevation: N/A
Logged by: RDC

Project No: E7618

Water Level: 15.5 feet After: 9 feet after 20 minutes



ELEV / DEPTH	USCS	SOIL DESCRIPTION	REMARKS	Sample No.	Blows foot	Density Dry-pcf	Moisture Percent
		6-inch concrete pad					
	CL	Dark brown gravelly silty CLAY, damp, very stiff; slight oil odor.		1-1			
	CL	Black silty CLAY, damp, very stiff; some oil odor.		1-4			
	CL	Brownish gray sandy CLAY, damp, some silt, very stiff some organics, no odor.		1-7			
				1-10			
		Increasing moisture and silt at 12 feet.					
	CL	Kakhi gray fine sandy CLAY with silt, very moist, stiff; no odor.		1-13			
	SM	Kakhi gray silty fine SAND with clay, wet, dense; root holes, organics, no odor.		1-16			
	CL	Kakhi silty CLAY, saturated very stiff; no odor.		1-19			
	SM	Brown silty fine SAND with clay, wet, dense; no odor.		1-22			
		End of boring at 25 feet. Groundwater encountered at		1-25			

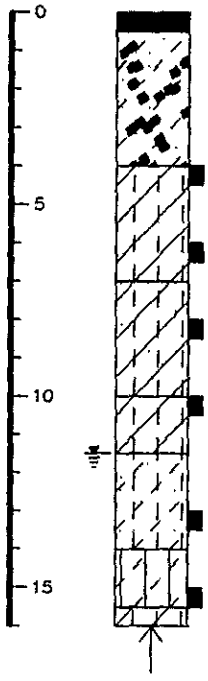
Figure Number 3

LOG OF TEST BORING

BORING B-2

Boring No: B-2 Project No: E7618
Date Drilled: 2/26/98
Elevation: N/A
Logged by: RDC

Water Level: 11.5 feet After: 7 feet after 20 minutes



ELEV / DEPTH	USCS	SOIL DESCRIPTION	REMARKS	Sample No.	Blows foot	Density Dry-pcf	Moisture Percent
		6-inch concrete pad					
	GC	Olive brown clayey GRAVEL with sand, damp, very dense strong oil odor.					
	CL	Olive green mottled black silty CLAY, damp, very stiff; some oil odor.		2-4			
				2-6			
	CL	Olive green and light gray silty CLAY with sand, damp, stiff; no odor.		2-8			
	CL	Kakhi brown silty CLAY, very moist, stiff; organics no odor.		2-10			
	SC	Kakhi brown clayey fine SAND with silt, wet, dense; no odor.		2-13			
	ML	Kakhi brown clayey SILT, wet, stiff; no odor.		2-15			
	CL	Kakhi brown silty CLAY, wet, stiff; no odor.					
		End of boring at 16 feet. Groundwater at 11.5' and 7' after 20 minutes. No blow counts due to direct-push technology.					

Figure Number 4

TERRASEARCH, Inc.

LOG OF TEST BORING

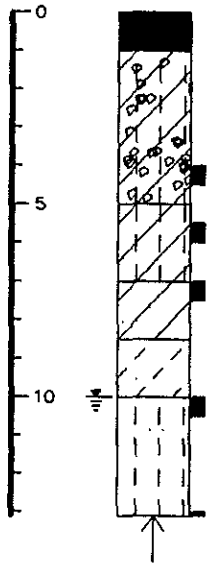
BORING B-3

Boring No: B-3
Date Drilled: 2/26/98
Elevation: N/A
Logged by: RDC

Project No: E7618

Water Level: 10 feet

After: 5 feet after 20 minutes



ELEV / DEPTH	USCS	SOIL DESCRIPTION	REMARKS	Sample No.	Blows foot	Density Dry-pcf	Moisture Percent
		2-inch asphalt pavement underlain by 10-inches of baserock.					
	CL	Black gravelly silty CLAY, damp, very stiff; strong hydrocarbon odor.		3-4			
	CL	Black silty CLAY, damp, very stiff; root fibers, hydrocarbon odor.		3-5.5			
	CL	Olive gray fine sandy CLAY, damp, stiff; white mottled no odor.		3-7			
	SC	Olive clayey fine to medium SAND, very moist, medium dense; no odor, root fibers		3-10			
	SP	Brown fine to medium SAND with silt, wet, dense; no odor (suspended sands).		3-13			
		End of boring at 13'. Groundwater encountered at					

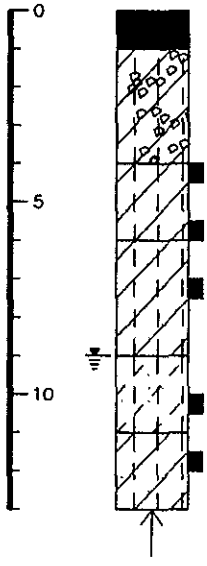
Figure Number 5

LOG OF TEST BORING

BORING B-4

Boring No: B-4 Project No: E7618
Date Drilled: 2/26/98
Elevation: N/A
Logged by: RDC

Water Level: 9 feet After: 5 feet after 20 minutes



ELEV / DEPTH	USCS	SOIL DESCRIPTION	REMARKS	Sample No.	Blows foot	Density Dry-pcf	Moisture Percent
		2-inch asphalt pavement underlain by 10-inches of baserock.					
	CL	Brown mottled deep olive green gravelly CLAY with silt, damp; slight odor, wood chips.		4-4			
	CL	Black silty CLAY, damp, very stiff; root fibers, hydrocarbon odor.		4-5.5			
	CL	Olive gray mottled white fine sandy CLAY with silt, damp, stiff; no odor.		4-7			
	SM	Olive mottled brown silty fine SAND with clay, wet, loose-medium dense; no odor		4-10			
	CL	Olive mottled brown silty CLAY with sand, wet, stiff; no odor.		4-11.5			
		End of boring at 13 feet. Groundwater encountered at 9' then at 5' after 20 minutes. No blow counts due to direct-push technology.					

Figure Number 6

APPENDIX C

FIELD METHODS AND PROCEDURES

PRECISION SAMPLING, INC.

SOIL CORING, SOIL VAPOR SAMPLING, AND PIEZOMETER/SPARGE POINT INSTALLATION PROCEDURES

SOIL CORING PROCEDURES

Samples will be obtained by PRECISION SAMPLING, INC. (PSI), an environmental sampling company with offices in San Rafael, California, and Costa Mesa, California. PSI specializes in direct push technologies utilizing hydraulically-driven, vibrated or pushed soil coring systems to obtain soil and ground water samples for lithologic and chemical analysis. PSI's difficult access rig, the DA-1, utilizes a hydraulic hammer to drive its patented Enviro-Core® sampling rods into the ground to collect continuous soil cores. The mid sized sampling rigs, the XD-1 and MD-1, are mounted on 4-wheel-drive vehicles, and the largest PSI rig is mounted on a 15 ton truck. The Enviro-Core rods are advanced with vibrators, a hydraulic hammer, or pushed into the ground. With any rig, two nested sampling rods are driven simultaneously: small-diameter inner sampling rods are used to obtain and retrieve the soil cores; the larger diameter (2 1/2" OD) outer rods serve as temporary drive casing.

As the Enviro-Core rods are advanced, soil is driven into a 1 13/16-inch-diameter, 3-foot-long sample barrel that is attached to the end of the inner rods. Soil samples are collected in 1 11/16-inch-diameter by 6-inch-long stainless steel or 3-foot-long butyrate sleeves inside the sample barrel as both rods are advanced. After being driven 3 feet, the inner rods are removed from the borehole with a hydraulic winch. The sleeves containing the soil samples are removed from the inner sample barrel, and can then be preserved for chemical analyses or used for lithologic identification. After adding new sleeves, the drive sampler and inner rods are then lowered back into the borehole to the previous depth, an additional 3-foot section of Enviro-Core casing is attached, and the process is repeated until the desired depth is reached.

The use of outer rods prevents sloughing of the formation while the inner rods are withdrawn from the hole. This ensures that the drive sampler will always be sampling soil from the desired interval, rather than potentially contaminated soil that has sloughed in from higher up in the hole.

All drive casing, inner sample barrels, inner rods, and tools will be cleaned with a high-pressure, hot water washer between holes. Sample barrels will be washed with Alconox and double-rinsed with deionized water between samples collected in the same hole. All rinsate from the cleaning will be contained in 55-gallon drums at the project site.

GROUNDWATER SAMPLING PROCEDURES

After the targeted water-bearing zone has been penetrated, the sample barrel and inner rods will be removed from the borehole, 1-inch-diameter Schedule 40 PVC casing with a five foot section of .010" slotted well screen may be installed in the casing to facilitate the collection of groundwater samples. The drive casing will be pulled up approximately three feet to allow groundwater to flow into the borehole. Groundwater samples may then be collected from within the PVC casing with a 1-inch-diameter Teflon, stainless steel, disposable bailer, peristaltic or bladder pump until adequate sample volume is obtained.

PIEZOMETER OR SPARGE POINT INSTALLATION

After the boreholes have been advanced below the water table, small-diameter PVC pipe may be installed in each boring to serve as temporary piezometers, sparge points, vacuum extraction, or bioventing points for site characterization or remediation.

The well points will be constructed of 3/4-inch to 1-inch-diameter, Schedule 40 PVC well casing and well screen inside the Enviro-Core drive casing. A PVC slip cap will be attached to each well at the surface. Fine-grained sand will be tremied into the annular space around the PVC up to approximately 1 foot above the top of the screened interval. A two-foot-thick annular seal, consisting of 1/8-inch bentonite chips hydrated with deionized water, will be added to the annular space from the top of the sand pack, and a cement-

bentonite grout tremied to the ground surface. The upper five feet of the borehole will be enlarged to 6"-diameter to provide a 2"-diameter annular seal. Traffic-proof, flush mounted steel well covers will be placed over each well to provide protection and ensure future access to the well.

All PVC materials will be cleaned with a high-pressure, hot-water washer prior to being installed in the drive holes.

BOREHOLE GROUTING

On completion of soil and water sampling, boreholes will be abandoned with a grout mixture of Type II cement with 4% pure sodium bentonite. The grout will be pumped through a 1-inch-diameter grouting tube positioned at the bottom of the boreholes, prior to withdrawing the outer rods.

SOIL VAPOR SAMPLING

Soil vapor samples can be collected directly from the Enviro-Core drive casing or by using probes constructed of 1.0"-outside-diameter, 0.80"-inside-diameter stainless steel pipe with expendable steel drive points. The probes are either pushed or vibrated into the ground in three-foot threaded sections. When the prescribed depth is reached, the probe is pulled up to expose the desired sample interval, leaving the expendable tip in place.

The top of the vapor probe or the drive casing is then coupled to a Tedlar® bag within a sealed vacuum box using 1/4"-diameter Teflon® tubing. The vacuum box is evacuated with an electric or hand vacuum pump, allowing the sample bag to fill with soil vapor from the sample interval. A minimum of one probe volume (approximately 6 cubic inches per vertical foot of probe) or one casing volume will be purged from the probe before a sample is collected.

Once the sample is collected, soil vapor probes are removed from the ground with the sampling rig. The resulting hole is then abandoned with a cement-bentonite grout.

APPENDIX D

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

38473

CHROMALAB, INC.

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

Environmental Services (SDB) (DOHS 1094)

Chain of Custody

DATE 2/27/98 PAGE 1 OF 4

PROJ MGR Rob Campbell
COMPANY TerraSearch, Inc.
ADDRESS 11840 Dublin Blvd.
Dublin, CA 94568
SAMPLERS (SIGNATURE) Robert D. Campbell
(PHONE NO.) 510-833-9297
(FAX NO.) 510-833-9548

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)	Herbicides 8151	LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	Hold			NUMBER OF CONTAINERS
1	2/26/98		Soil	Ice										X		X									1
2														X		X									1
3														X		X									1
4														X		X									1
5														X		X									1
1-4					X		X		X					X	X				X						1
1-7																						X			1
1-10																						X			1
1-1	↓		↓	↓																		X			1

PROJECT INFORMATION
PROJECT NAME Summerhill - Olympic
PROJECT NUMBER E7618
P.O. # E7618

SAMPLE RECEIPT

TOTAL NO OF CONTAINERS	9
HEAD SPACE	N
RECD GOOD CONDITION/COLD	Y
CONFORMS TO RECORD	Y

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

SPECIAL INSTRUCTIONS/COMMENTS

RELINQUISHED BY 1
(SIGNATURE) Robert D. Campbell (TIME) 1:30
(PRINTED NAME) Robert D. Campbell (DATE) 2/27/98
(COMPANY) TerraSearch Inc.

RECEIVED BY 1
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RELINQUISHED BY 2
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RECEIVED BY 2
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RELINQUISHED BY 3
(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)
(COMPANY)

RECEIVED BY (LABORATORY) 3
(SIGNATURE) Chris Rowley 1:51
(PRINTED NAME) Chris Rowley 2/27/98 (DATE)
(COMPANY) Chromalab

38473

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 2/27/98 PAGE 2 OF 4

PROJ MGR Rob Campbell
COMPANY TerraSearch Inc.
ADDRESS 11840 Dublin Blvd.
Dublin, CA 94568
SAMPLERS (SIGNATURE) Robert D. Campbell
(PHONE NO.) 510-833-7297
(FAX NO.) 510-833-9548

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH (Diesel) (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 5242)	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)	Hold			NUMBER OF CONTAINERS
1-13	2/24/98		Soil	Ice																		X			1
1-16																						X			1
1-19					X		X		X						X				X						1
1-22																						X			1
1-25																						X			1
2-4														X											1
2-6					X		X		X						X				X						1
2-8																						X			1
2-13	↓		↓	↓																		X			1

PROJECT INFORMATION

PROJECT NAME: Summerhill - Olympic Dr.
PROJECT NUMBER: E7618
P.O.# E7618

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

SPECIAL INSTRUCTIONS/COMMENTS

SAMPLE RECEIPT

TOTAL NO OF CONTAINERS	9
HEAD SPACE	N
RECD GOOD CONDITION/COLD	Y
CONFORMS TO RECORD	Y

RELINQUISHED BY 1	RELINQUISHED BY 2	RELINQUISHED BY 3
(SIGNATURE) Robert D. Campbell (TIME) 11:30	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) Robert D. Campbell (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY 1	**RECEIVED BY 2**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) Chris Powell 1051 (TIME)
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) Chromalab 2/27/98 (DATE)
(COMPANY)	(COMPANY)	LAB

38473

CHROMALAB, INC.

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

Environmental Services (SDB) (DOHS 1094)

Chain of Custody

DATE 2/27/98 PAGE 3 OF 4

PROJ MGR Rob Campbell
COMPANY TerraSearch, Inc.
ADDRESS 11840 Dublin Blvd.
Dublin, CA 94568

SAMPLERS (SIGNATURE) Robert S. Campbell
(PHONE NO.) 510-833-9977
(FAX NO.) 510-833-9548

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel, EPH (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)				NUMBER OF CONTAINERS
2-15	2/26/98		Soil	Ice																		X			1
2-10																						X			1
3-4					X		X		X		X			X	X										1
3-7					X		X		X						X										1
3-10																						X			1
3-13					X		X		X						X										1
3-5.5																						X			1
4-4					X		X		X		X			X	X										1
4-7	↓		↓	↓																		X			1

PROJECT INFORMATION

PROJECT NAME: Summerhill - Olympic
PROJECT NUMBER: E7618
P.O. #: E7618

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

SAMPLE RECEIPT

TOTAL NO OF CONTAINERS	9
HEAD SPACE	N
RECD GOOD CONDITION/COLD	Y
CONFORMS TO RECORD	Y

SPECIAL INSTRUCTIONS/COMMENTS

RELINQUISHED BY 1	RELINQUISHED BY 2	RELINQUISHED BY 3
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Robert S. Campbell 2/27/98		
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
TerraSearch Inc.		
(COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY 1	**RECEIVED BY 2**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY)	(COMPANY)	(LAB)

3847 3

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 2/27/92 PAGE 4 OF 4

PROJ MGR Rob Campbell
COMPANY Terrasearch Inc
ADDRESS 11240 Dublin Blvd.
Dublin, CA 94568
SAMPLERS (SIGNATURE) Robert D. Campbell
(PHONE NO.) 510-833-7297
(FAX NO.) 510-833-9548

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 3030, 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)	Hexavalent Cr 8150	LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	Hold			NUMBER OF CONTAINERS
4-5.5	2/26/92		Soil	Ice	X		X		X						X			X				X			1
4-10																									1
4-11.5					X		X		X						X			X							1
B-1			Water	HCl	X		X		X						X			X	X						4
B-2				HCl	X		X		X						X			X	X						4
B-3				HCl	X		X		X						X			X	X						7
B-4				HCl	X		X		X						X			X	X						6
6			Soil	Ice										X		X									1

PROJECT INFORMATION

PROJECT NAME: Summerfield - Olympic
PROJECT NUMBER: E7618
P.O. #: E7618

SAMPLE RECEIPT

TOTAL NO OF CONTAINERS	25
HEAD SPACE	N
RECD GOOD CONDITION/COLD	Y
CONFORMS TO RECORD	Y

TAT	STANDARD 5-DAY			24	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS

RELINQUISHED BY 1	RELINQUISHED BY 2	RELINQUISHED BY 3
(SIGNATURE) (TIME) 1130	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Robert D. Campbell 2/27/92		
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
Terrasearch, Inc.		
(COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY 1	**RECEIVED BY 2**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME) 1151
		2/27/92
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY)	(COMPANY)	(LAB)

CHROMALAB, INC.

Environmental Services (SDB)

March 5, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: 9 samples for Oil and Grease analysis.
Method: *5520 E&F*

Sampled: February 26, 1998 *Matrix:* SOIL *Run#:* 11447 *Extracted:* March 2, 1998 *Analyzed:* March 2, 1998

Spl#	CLIENT SPL ID	OIL & GREASE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
173086	1-4	N.D.	50	N.D.	102	1
173102	1-19	N.D.	50	N.D.	102	1
173104	2-6	N.D.	50	N.D.	102	1
173105	3-4	130	50	N.D.	102	1
173106	3-7	N.D.	50	N.D.	102	1
173107	3-13	N.D.	50	N.D.	102	1
173108	4-4	N.D.	50	N.D.	102	1
173109	4-5.5	N.D.	50	N.D.	102	1
173110	4-11.5	N.D.	50	N.D.	102	1

for Lulu Frazier
Analyst

Michael R. Verona
Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998 *Submission #:* 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 1-4
Spl#: 173086 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11424 *Analyzed:* March 2, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	99.4	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	96.6	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
METHYLENE CHLORIDE	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
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.	90.1	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 1-19
Spl#: 173102 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11460 *Analyzed:* March 3, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	93.6	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	120	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
METHYLENE CHLORIDE	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
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.	91.7	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 2-6
Spl#: 173104 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11424 *Analyzed:* March 2, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	99.4	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHENE (CIS)	N.D.	5.0	N.D.	96.6	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
METHYLENE CHLORIDE	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
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.	90.1	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
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Michael Verona
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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 3-4
Spl#: 173105 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11424 *Analyzed:* March 2, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	99.4	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	96.6	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
METHYLENE CHLORIDE	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
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.	90.1	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998 *Submission #:* 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 3-7
Spl#: 173106 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11424 *Analyzed:* March 2, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	99.4	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	96.6	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
METHYLENE CHLORIDE	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
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.	90.1	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 3-13
Spl#: 173107 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11424 *Analyzed:* March 2, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	99.4	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	96.6	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
METHYLENE CHLORIDE	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
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.	90.1	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 4-4
Spl#: 173108 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11460 *Analyzed:* March 3, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	93.6	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	120	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
METHYLENE CHLORIDE	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
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.	91.7	1
VINYL CHLORIDE	N.D.	5.0	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 4-5.5
Spl#: 173109 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11460 *Analyzed:* March 3, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	93.6	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	120	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
METHYLENE CHLORIDE	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
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.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	91.7	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

Note: Surrogate Recoveries demonstrate Matrix interference.

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 4, 1998

Submission #: 9802456

TERRASEARCH, INC.
Atten: Robert Campbell
Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998
re: One sample for Halogenated Volatile Organics by GC/MS analysis.
Method: *SW846 Method 8240A Nov 1990*

Client Sample ID: 4-11.5
Spl#: 173110 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:* 11424 *Analyzed:* March 2, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
BROMODICHLOROMETHANE	N.D.	5.0	N.D.	--	1
BROMOFORM	N.D.	5.0	N.D.	--	1
BROMOMETHANE	N.D.	10	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	5.0	N.D.	--	1
CHLOROBENZENE	N.D.	5.0	N.D.	99.4	1
CHLOROETHANE	N.D.	10	N.D.	--	1
2-CHLOROETHYLVINYLETHER	N.D.	50	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
1,2-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-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	5.0	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	5.0	N.D.	96.6	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
METHYLENE CHLORIDE	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
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.	--	1
VINYL CHLORIDE	N.D.	5.0	N.D.	90.1	1
TRICHLOROTRIFLUOROETHANE	N.D.	5.0	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	5.0	N.D.	--	1

June Zhao
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 1
Spl#: 173081 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 10, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 2
Spl#: 173082 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 12, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 3
Spl#: 173083 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 12, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	9.0	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	2.1	2.0	N.D.	--	1
4,4'-DDT	12	10	N.D.	85.6	1
4,4'-DDE	7.6	2.0	N.D.	--	1
4,4'-DDD	N.D.	10	N.D.	--	1
ENDOSULFAN I	10	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 4
Spl#: 173084 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 12, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	1
4,4'-DDE	2.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 5
Spl#: 173085 Matrix: SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 10, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 13, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 6
Spl#: 173115 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 13, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

GeoAnalytical Laboratories, Inc.

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CERTIFICATE OF ANALYSIS
8150

Report # J062-05
ChromaLab
1220 Quarry Lane
Pleasanton CA 94566 - 4756

Date Sampled 02/26/98

Date of Report: 03/13/98
Date Received: 03/03/98
Date Started : 03/05/98
Date Completed: 03/10/98

Project Name:
Project # 9802456
Sample ID: 1
Lab ID: J20298

Method	Detection Limit	Analyte	Results	Units µg/Kg
8150	20	Dicamba	ND	
	50	Dichlorprop	ND	
	100	2,4-D	ND	
	1000	MCPA	ND	
	20	2,4,5-TP(Silvex)	ND	
	20	2,4,5-T	ND	
	20	Dinoseb	ND	
	100	2,4-DB	ND	

Gregory Mercladis
Chemist

Certification # 1157

Donna Keller

GeoAnalytical Laboratories, Inc.

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Modesto, CA 95351
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CERTIFICATE OF ANALYSIS

8150

Report # J062-05

ChromaLab
1220 Quarry Lane
Pleasanton CA 94566 - 4756

Date Sampled 02/26/98

Date of Report: 03/13/98
Date Received: 03/03/98
Date Started : 03/05/98
Date Completed: 03/10/98

Project Name:
Project # 9802456
Sample ID: 6
Lab ID: J20303

Method	Detection Limit	Analyte	Results	Units µg/Kg
8150	20	Dicamba	ND	
	50	Dichlorprop	ND	
	100	2,4-D	ND	
	1000	MCPA	ND	
	20	2,4,5-TP(Silvex)	ND	
	20	2,4,5-T	ND	
	20	Dinoseb	ND	
	100	2,4-DB	ND	

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller

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CERTIFICATE OF ANALYSIS
8150

Report # J062-05
ChromaLab
1220 Quarry Lane
Pleasanton CA 94566 - 4756

Date Sampled 02/26/98

Date of Report: 03/13/98
Date Received: 03/03/98
Date Started : 03/05/98
Date Completed: 03/10/98

Project Name:
Project # 9802456
Sample ID: 5
Lab ID: J20302

Method	Detection Limit	Analyte	Results	Units µg/Kg
8150	20	Dicamba	ND	
	50	Dichlorprop	ND	
	100	2,4-D	ND	
	1000	MCPA	ND	
	20	2,4,5-TP(Silvex)	ND	
	20	2,4,5-T	ND	
	20	Dinoseb	ND	
	100	2,4-DB	ND	

Gregory Merciadis
Chemist

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Donna Keller
Laboratory Director

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Modesto, CA 95351

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CERTIFICATE OF ANALYSIS
8150

Report # J062-05
ChromaLab
1220 Quarry Lane
Pleasanton CA 94566 - 4756

Date Sampled 02/26/98

Date of Report: 03/13/98
Date Received: 03/03/98
Date Started : 03/05/98
Date Completed: 03/10/98

Project Name:
Project # 9802456
Sample ID: 4
Lab ID: J20301

Method	Detection Limit	Analyte	Results	Units µg/Kg
8150	20	Dicamba	ND	
	50	Dichlorprop	ND	
	100	2,4-D	ND	
	1000	MCPA	ND	
	20	2,4,5-TP(Silvex)	ND	
	20	2,4,5-T	ND	
	20	Dinoseb	ND	
	100	2,4-DB	ND	

Gregory Merciadis
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CERTIFICATE OF ANALYSIS
8150

Report # J062-05
ChromaLab
1220 Quarry Lane
Pleasanton CA 94566 - 4756

Date Sampled 02/26/98

Date of Report: 03/13/98
Date Received: 03/03/98
Date Started : 03/05/98
Date Completed: 03/10/98

Project Name:
Project # 9802456
Sample ID: 3
Lab ID: J20300

Method	Detection Limit	Analyte	Results	Units µg/Kg
8150	20	Dicamba	ND	
	50	Dichlorprop	ND	
	100	2,4-D	ND	
	1000	MCPA	ND	
	20	2,4,5-TP(Silvex)	ND	
	20	2,4,5-T	ND	
	20	Dinoseb	ND	
	100	2,4-DB	ND	

Gregory Merciadis
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CERTIFICATE OF ANALYSIS
8150

Report # J062-05
ChromaLab
1220 Quarry Lane
Pleasanton CA 94566 - 4756

Date Sampled 02/26/98

Date of Report: 03/13/98
Date Received: 03/03/98
Date Started : 03/05/98
Date Completed: 03/10/98

Project Name:
Project # 9802456
Sample ID: 2
Lab ID: J20299

Method	Detection Limit	Analyte	Results	Units µg/Kg
8150	20	Dicamba	ND	
	50	Dichlorprop	ND	
	100	2,4-D	ND	
	1000	MCPA	ND	
	20	2,4,5-TP(Silvex)	ND	
	20	2,4,5-T	ND	
	20	Dinoseb	ND	
	100	2,4-DB	ND	

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller
Laboratory Director

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 2-4
Spl#: 173103 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 12, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	20	N.D.	93.4	10
DIELDRIN	N.D.	20	N.D.	88.6	10
ENDRIN ALDEHYDE	N.D.	100	N.D.	--	10
ENDRIN	N.D.	20	N.D.	86.2	10
HEPTACHLOR	21	20	N.D.	85.4	10
HEPTACHLOR EPOXIDE	N.D.	20	N.D.	--	10
4,4'-DDT	N.D.	100	N.D.	85.6	10
4,4'-DDE	N.D.	20	N.D.	--	10
4,4'-DDD	N.D.	100	N.D.	--	10
ENDOSULFAN I	N.D.	100	N.D.	--	10
ENDOSULFAN II	N.D.	100	N.D.	--	10
ALPHA-BHC	N.D.	20	N.D.	--	10
BETA-BHC	N.D.	20	N.D.	--	10
GAMMA-BHC (LINDANE)	N.D.	20	N.D.	91.0	10
DELTA-BHC	N.D.	20	N.D.	--	10
ENDOSULFAN SULFATE	N.D.	100	N.D.	--	10
4,4'-METHOXYCHLOR	N.D.	100	N.D.	--	10
TOXAPHENE	N.D.	100	N.D.	--	10
CHLORDANE	N.D.	100	N.D.	--	10

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 1-4
Spl#: 173086 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 9, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 3-4
Spl#: 173105 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 10, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
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Michael Verona
Operations Manager

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 12, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: **4-4**
Spl#: 173108 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 10, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	1
4,4'-DDE	4.8	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 1-4
Spl#: 173086 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11511 *Analyzed:* March 5, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	94	1

Vincent Vancil
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Michael Verona
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GC V132 O:BTEXQC0220
VINCE 16 00

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 1-19
Spl#: 173102 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11511 *Analyzed:* March 5, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	94	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 2-6
Spl#: 173104 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11511 *Analyzed:* March 5, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	94	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 3-4
Spl#: 173105 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11511 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	94	1

Vincent Vancil
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CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 3-7
Spl#: 173106 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11510 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	83	1

Note: Surrogate Recoveries demonstrate Matrix interference.

Vincent Vancil
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Michael Verona
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 3-13
Spl#: 173107 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11511 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	94	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 4-4
Spl#: 173108 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11510 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	83	1

Note: Surrogate Recoveries demonstrate Matrix interference.

Vincent Vancil
Chemist

Michael Verona
Operations Manager

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CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 4-11.5
Spl#: 173110 *Matrix:* SOIL
Sampled: February 26, 1998 *Run#:*11509 *Analyzed:* March 5, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	1.0	N.D.	76	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

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Federal ID #68-0140157

GC V132 D:BTEXGC0220
VINCE 16:00

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: 4-5.5

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: 13 samples for TPH - Diesel analysis.
Method: *EPA 8015M*

Matrix: WATER *Extracted:* March 3, 1998
Sampled: February 26, 1998 *Run#:* 11431 *Analyzed:* March 4, 1998

Spl#	CLIENT SPL ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
173111	B-1	N.D.	120	N.D.	96.0	1
173112	B-2	N.D.	120	N.D.	96.0	1
173113	B-3	N.D.	200	N.D.	96.0	1
173114	B-4	N.D.	100	N.D.	96.0	1

Matrix: SOIL *Extracted:* March 4, 1998
Sampled: February 26, 1998 *Run#:* 11474 *Analyzed:* March 4, 1998

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
173086	1-4	N.D.	1.0	N.D.	82.1	1
173102	1-19	N.D.	1.0	N.D.	82.1	1

Matrix: SOIL *Extracted:* March 4, 1998
Sampled: February 26, 1998 *Run#:* 11474 *Analyzed:* March 5, 1998

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
173104	2-6	N.D.	1.0	N.D.	82.1	1
173105	3-4	3.4	1.0	N.D.	82.1	1
	Note: Hydrocarbon reported is in the late Diesel Range and does not match our Diesel Standard.					
173106	3-7	N.D.	1.0	N.D.	82.1	1
173107	3-13	3.2	1.0	N.D.	82.1	1
	Note: Hydrocarbon reported is in the late Diesel Range and does not match our Diesel Standard.					
173109	4-5.5	N.D.	1.0	N.D.	82.1	1
173110	4-11.5	N.D.	1.0	N.D.	82.1	1

Clayton LABORATORY SERVICES

Analytical Results
for
CHROMALAB, INC.
Client Reference: 9802456
Clayton Project No. 98030.65

Sample Identification:	4-4	Date Sampled:	--
Lab Number:	9803065-02A	Date Received:	03/05/98
Sample Matrix/Media:	SOIL	Date Extracted:	03/06/98
Extraction Method:	EPA 3550	Date Analyzed:	03/07/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Clayton LABORATORY SERVICES

Analytical Results
for
CHROMALAB, INC.
Client Reference: 9802456
Clayton Project No. 98030.65

Sample Identification:	4-4		
Lab Number:	9803065-02A	Date Sampled:	--
Sample Matrix/Media:	SOIL	Date Received:	03/05/98
Extraction Method:	EPA 3550	Date Extracted:	03/06/98
Method Reference:	EPA 8270B	Date Analyzed:	03/07/98
		Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Clayton LABORATORY SERVICES

Analytical Results
for
CHROMALAB, INC.
Client Reference: 9802456
Clayton Project No. 98030.65

Sample Identification:	4-4		
Lab Number:	9803065-02A	Date Sampled:	--
Sample Matrix/Media:	SOIL	Date Received:	03/05/98
Extraction Method:	EPA 3550	Date Extracted:	03/06/98
Method Reference:	EPA 8270B	Date Analyzed:	03/07/98
		Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2
Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	90	30 - 115
2-Fluorophenol	367-12-4	77	25 - 121
Nitrobenzene-d5	4165-60-0	83	23 - 120
Phenol-d5	13127-88-3	98	24 - 113
Terphenyl-d14	98904-43-9	101	18 - 137
2,4,6-Tribromophenol	118-79-6	98	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Clayton LABORATORY SERVICES

Analytical Results
for
CHROMALAB, INC.
Client Reference: 9802456
Clayton Project No. 98030.65

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9803065-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	03/06/98
Extraction Method:	EPA 3550	Date Analyzed:	03/07/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzidine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2

Clayton LABORATORY SERVICES

Analytical Results
for
CHROMALAB, INC.
Client Reference: 9802456
Clayton Project No. 98030.65

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9803065-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	03/06/98
Extraction Method:	EPA 3550	Date Analyzed:	03/07/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2

Clayton LABORATORY SERVICES

Analytical Results
for
CHROMALAB, INC.
Client Reference: 9802456
Clayton Project No. 98030.65

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9803065-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	03/06/98
Extraction Method:	EPA 3550	Date Analyzed:	03/07/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2
1,2,4-Trichlorobenzene	120-82-1	ND	0.2
Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	79	30 - 115
2-Fluorophenol	367-12-4	67	25 - 121
Nitrobenzene-d5	4165-60-0	73	23 - 120
Phenol-d5	13127-88-3	90	24 - 113
Terphenyl-d14	98904-43-9	102	18 - 137
2,4,6-Tribromophenol	118-79-6	84	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: **1-4**
Spl#: 173086 *Matrix:* SOIL *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11503 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	N.D.	2.0	N.D.	102	1
ARSENIC	1.7	1.0	N.D.	100	1
BERYLLIUM	N.D.	0.50	N.D.	104	1
CADMIUM	0.62	0.50	N.D.	102	1
CHROMIUM	13	1.0	N.D.	91.0	1
COPPER	18	1.0	N.D.	97.6	1
LEAD	14	1.0	N.D.	101	1
NICKEL	22	1.0	N.D.	98.4	1
SELENIUM	N.D.	2.0	N.D.	102	1
SILVER	N.D.	1.0	N.D.	86.7	1
THALLIUM	N.D.	2.0	N.D.	99.3	1
ZINC	38	1.0	N.D.	108	1
MERCURY	0.055	0.050	N.D.	92.4	1

Mercury extracted on and analyzed on March 6, 1998.

Christopher Arndt
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: 2-6
Spl#: 173104 *Matrix:* SOIL *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11503 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	N.D.	2.0	N.D.	102	1
ARSENIC	1.3	1.0	N.D.	100	1
BERYLLIUM	N.D.	0.50	N.D.	104	1
CADMIUM	N.D.	0.50	N.D.	102	1
CHROMIUM	15	1.0	N.D.	91.0	1
COPPER	14	1.0	N.D.	97.6	1
LEAD	4.5	1.0	N.D.	101	1
NICKEL	22	1.0	N.D.	98.4	1
SELENIUM	N.D.	2.0	N.D.	102	1
SILVER	N.D.	1.0	N.D.	86.7	1
THALLIUM	N.D.	2.0	N.D.	99.3	1
ZINC	22	1.0	N.D.	108	1
MERCURY	N.D.	0.050	N.D.	92.4	1

Mercury extracted on and analyzed on March 6, 1998.

Christopher Arndt
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: **1-19**
Spl#: 173102 *Matrix:* SOIL *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11503 *Analyzed:* March 6, 1998

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	N.D.	2.0	N.D.	102	1
ARSENIC	2.6	1.0	N.D.	100	1
BERYLLIUM	N.D.	0.50	N.D.	104	1
CADMIUM	0.98	0.50	N.D.	102	1
CHROMIUM	20	1.0	N.D.	91.0	1
COPPER	18	1.0	N.D.	97.6	1
LEAD	5.5	1.0	N.D.	101	1
NICKEL	33	1.0	N.D.	98.4	1
SELENIUM	N.D.	2.0	N.D.	102	1
SILVER	N.D.	1.0	N.D.	86.7	1
THALLIUM	N.D.	2.0	N.D.	99.3	1
ZINC	40	1.0	N.D.	108	1
MERCURY	N.D.	0.050	N.D.	92.4	1

Mercury extracted on and analyzed on March 6, 1998.

Christopher Arndt
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: B-1
Spl#: 173111 *Matrix:* WATER
Sampled: February 26, 1998 *Run#:*11513 *Analyzed:* March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	93	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: B-2
Spl#: 173112 *Matrix:* WATER
Sampled: February 26, 1998 *Run#:*11513 *Analyzed:* March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	93	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.
Method: 8015Mod

Client Sample ID: B-4
Spl#: 173114 *Matrix:* WATER
Sampled: February 26, 1998 *Run#:*11513 *Analyzed:* March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	93	1

Vincent Vancil
Chemist

Michael Verona
Operations Manager

510-833-9548

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

GC V132 G1 BTEXQC0220
VINCE 16.00

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Gasoline analysis.

CHROMALAB, INC.

Environmental Services (SDB)

March 5, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: 4 samples for Oil and Grease analysis.
Method: 5520 B&F

Sampled: February 26, 1998 *Matrix:* WATER *Run#:* 11486 *Extracted:* March 5, 1998 *Analyzed:* March 5, 1998

Spl#	CLIENT SPL ID	OIL & GREASE (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
173111	B-1	N.D.	2.5	N.D.	99.5	1
173112	B-2	N.D.	2.5	N.D.	99.5	1
173113	B-3	N.D.	2.0	N.D.	99.5	1
173114	B-4	N.D.	4.0	N.D.	99.5	1

for Lulu Frazier
Analyst

Michael Verona
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)

March 6, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: B-1
Spl#: 173111 *Matrix:* WATER
Sampled: February 26, 1998 *Run#:* 11495 *Analyzed:* March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	96.0	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	82.0	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	71.0	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 9802456

March 6, 1998

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: B-2
Spl#: 173112 *Matrix:* WATER
Sampled: February 26, 1998 *Run#:* 11495 *Analyzed:* March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	96.0	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	82.0	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	71.0	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: *SW846 Method 8010A July 1992*

Client Sample ID: B-3
Spl#: 173113 *Matrix:* WATER
Sampled: February 26, 1998 *Run#:* 11495 *Analyzed:* March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	96.0	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	82.0	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	71.0	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 6, 1998

Submission #: 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. Project#: E7618
Received: February 27, 1998

re: One sample for Volatile Halogenated Organics analysis.
Method: SW846 Method 8010A July 1992

Client Sample ID: B-4
Spl#: 173114 Matrix: WATER
Sampled: February 26, 1998 Run#: 11495 Analyzed: March 5, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
VINYL CHLORIDE	N.D.	0.50	N.D.	--	1
CHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROFLUOROMETHANE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHENE	N.D.	0.50	N.D.	96.0	1
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--	1
TRANS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
CIS-1,2-DICHLOROETHENE	N.D.	0.50	N.D.	--	1
1,1-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
CHLOROFORM	N.D.	3.0	N.D.	--	1
1,1,1-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
CARBON TETRACHLORIDE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROETHANE	N.D.	0.50	N.D.	--	1
TRICHLOROETHENE	N.D.	0.50	N.D.	82.0	1
1,2-DICHLOROPROPANE	N.D.	0.50	N.D.	--	1
BROMODICHLOROMETHANE	N.D.	0.50	N.D.	--	1
2-CHLOROETHYL VINYL ETHER	N.D.	0.50	N.D.	--	1
TRANS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
CIS-1,3-DICHLOROPROPENE	N.D.	0.50	N.D.	--	1
1,1,2-TRICHLOROETHANE	N.D.	0.50	N.D.	--	1
TETRACHLOROETHENE	N.D.	0.50	N.D.	--	1
DIBROMOCHLOROMETHANE	N.D.	0.50	N.D.	--	1
CHLOROBENZENE	N.D.	0.50	N.D.	71.0	1
BROMOFORM	N.D.	2.0	N.D.	--	1
1,1,2,2-TETRACHLOROETHANE	N.D.	0.50	N.D.	--	1
1,3-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.50	N.D.	--	1
TRICHLOROTRIFLUOROETHANE	N.D.	2.0	N.D.	--	1
CHLOROMETHANE	N.D.	1.0	N.D.	--	1
BROMOMETHANE	N.D.	1.0	N.D.	--	1

Oleg Nemtsov
Chemist

Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: B-1
Spl#: 173111 *Matrix:* WATER *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11532 *Analyzed:* March 7, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	0.017	0.0050	N.D.	102	1
ARSENIC	0.056	0.0050	N.D.	101	1
BERYLLIUM	0.0057	0.0050	N.D.	101	1
CADMIUM	0.020	0.0020	N.D.	101	1
CHROMIUM	0.54	0.0050	N.D.	103	1
COPPER	0.39	0.0050	N.D.	101	1
LEAD	0.065	0.0050	N.D.	101	1
NICKEL	0.62	0.0050	N.D.	102	1
SILVER	N.D.	0.0050	N.D.	103	1
ZINC	0.69	0.010	N.D.	99.8	1
MERCURY	0.0023	0.00050	N.D.	102	1

Mercury extracted on and analyzed on March 4, 1998.

Shafi Barekzai
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: B-2
Spl#: 173112 *Matrix:* WATER *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11532 *Analyzed:* March 7, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	0.0056	0.0050	N.D.	102	1
ARSENIC	0.016	0.0050	N.D.	101	1
BERYLLIUM	N.D.	0.0050	N.D.	101	1
CADMIUM	0.0083	0.0020	N.D.	101	1
CHROMIUM	0.28	0.0050	N.D.	103	1
COPPER	0.15	0.0050	N.D.	101	1
LEAD	0.034	0.0050	N.D.	101	1
NICKEL	0.25	0.0050	N.D.	102	1
SILVER	0.0071	0.0050	N.D.	103	1
ZINC	0.32	0.010	N.D.	99.8	1
MERCURY	0.0018	0.00050	N.D.	102	1

Mercury extracted on and analyzed on March 4, 1998.

Shafi Barekzai
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: **B-3**
Spl#: 173113 *Matrix:* WATER *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11532 *Analyzed:* March 7, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	0.060	0.0050	N.D.	102	1
ARSENIC	0.17	0.0050	N.D.	101	1
BERYLLIUM	0.024	0.0050	N.D.	101	1
CADMIUM	0.083	0.0020	N.D.	101	1
CHROMIUM	1.7	0.0050	N.D.	103	1
COPPER	1.5	0.0050	N.D.	101	1
LEAD	0.24	0.0050	N.D.	101	1
NICKEL	1.9	0.0050	N.D.	102	1
SILVER	N.D.	0.0050	N.D.	103	1
ZINC	2.3	0.010	N.D.	99.8	1
MERCURY	0.0088	0.00050	N.D.	102	1

Mercury extracted on and analyzed on March 4, 1998.

Shafi Barekzai
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 9, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Priority Pollutant Metals analysis.
Method: *EPA 3010A/3050A/6010A/7470A/7471A Nov 90*

Client Sample ID: **B-4**
Spl#: 173114 *Matrix:* WATER *Extracted:* March 6, 1998
Sampled: February 26, 1998 *Run#:* 11532 *Analyzed:* March 7, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	0.018	0.0050	N.D.	102	1
ARSENIC	0.072	0.0050	N.D.	101	1
BERYLLIUM	0.0064	0.0050	N.D.	101	1
CADMIUM	0.023	0.0020	N.D.	101	1
CHROMIUM	0.64	0.0050	N.D.	103	1
COPPER	0.38	0.0050	N.D.	101	1
LEAD	0.11	0.0050	N.D.	101	1
NICKEL	0.68	0.0050	N.D.	102	1
SILVER	0.0062	0.0050	N.D.	103	1
THALLIUM	N.D.	0.0050	N.D.	101	1
ZINC	0.73	0.010	N.D.	99.8	1
MERCURY	0.00070	0.00050	N.D.	102	1

Mercury extracted on and analyzed on March 4, 1998.

Shafi Barekzai
Chemist

John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

March 13, 1998 *Submission #:* 9802456

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SUMMER HILL-OLYMPIC AVE. *Project#:* E7618
Received: February 27, 1998

re: One sample for Organochlorine Pesticides analysis.
Method: *SW846 Method 8080A Sept 1994*

Client Sample ID: 6
Spl#: 173115 *Matrix:* SOIL *Extracted:* March 2, 1998
Sampled: February 26, 1998 *Run#:* 11412 *Analyzed:* March 13, 1998

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ALDRIN	N.D.	2.0	N.D.	93.4	1
DIELDRIN	N.D.	2.0	N.D.	88.6	1
ENDRIN ALDEHYDE	N.D.	10	N.D.	--	1
ENDRIN	N.D.	2.0	N.D.	86.2	1
HEPTACHLOR	N.D.	2.0	N.D.	85.4	1
HEPTACHLOR EPOXIDE	N.D.	2.0	N.D.	--	1
4,4'-DDT	N.D.	10	N.D.	85.6	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.	91.0	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

Alex Tam
Chemist

Michael Verona
Operations Manager

UNDERGROUND STORAGE TANK REMOVAL AND CLOSURE REPORT
for
PROPOSED RESIDENTIAL DEVELOPMENT
at
Olympic Avenue and Huntwood Drive
Hayward, California
for
SUMMERHILL HOMES

By

TERRASEARCH, inc.

Project No. E7618
May 7, 1999

Project No. E7618
May 7, 1999

Mr. Reyad Katwan
SummerHill Homes
777 California Avenue
Palo Alto, California 94304

Subject: Proposed Residential Development
Olympic Avenue and Huntwood Drive
Hayward, California
UNDERGROUND STORAGE TANK REMOVAL AND CLOSURE LETTER REPORT

Dear Mr. Katwan:

At your request, ***TERRASEARCH, inc.*** supervised the removal of and collected confirmation soil samples from beneath the 500-gallon underground storage tank (UST) at the above referenced site.

The UST was discovered on March 3, 1999, while the site was being cleared of concrete and asphalt for mass grading. During the records research for the Phase I environmental site assessment (1998), no records of the UST were found for the subject site, and was probably installed before permits and records of USTs were kept on file with the City of Hayward and Alameda County. The UST was a 4 foot cubic-square steel box, surrounded by approximately 6-inches of concrete. The previous owners stated that "they had no knowledge the discovered UST at the site." The UST was left in place, while a ***TERRASEARCH, inc.*** field geologist collected soil samples immediately surrounding the UST. Four samples (1 through 4) were collected from the soil beneath the UST and from the UST contents using clean brass tubes that were capped, labeled, and placed in a pre-chilled ice-chest for temporary storage. Samples 1 through 3 were collected from the discolored soil beneath and surrounding the UST, and sample 4 was collected from the oily sludge within the UST. The soil and sludge samples were delivered under chain-of-custody documentation to Sequoia Analytical of Walnut Creek, a State-certified hazardous waste testing laboratory (certification no. 1271) for analysis. Soil sample 1 was analyzed for reactivity, corrosivity, and ignitability (RCI), soil samples 2 and 3 were analyzed for volatile organic compounds (VOCs), semi-volatile organics (SVOs), polychlorinated biphenols (PCBs), and CAM 17 metals using Environmental Protection Agency (EPA) Methods 8240, 8270, 8080, and 6000/7000 series. Sludge sample 4 was analyzed for total extractable petroleum hydrocarbons (TEPH) using EPA Methods 3550/8015 (modified). The laboratory analytical results reported that the soil was not hazardous (composited soil samples and sludge sample) and was not reactive with sulfate or cyanide, was not ignitable, and had a pH of 8.4 (non-corrosive). Acetone was the only VOC detected at 680 micrograms per kilogram (µg/Kg) in soil sample 2, and was not detected in soil sample 3. SVOs and PCBs

were not detected, and low concentrations of metals were detected in soil samples 2 and 3. TEPH reported 420 milligrams per kilogram (mg/Kg) diesel and 3,600 mg/Kg motor-oil. The Sequoia Analytical laboratory report with the chain-of-custody is attached. The excavated soil and sludge was stockpiled on and covered with plastic sheeting. These analytical results were used to profile the stockpiled soil for disposal at Forward Landfill, a Class II landfill facility.

Prior to commencement of the UST removal, a City of Hayward Fire Department permit was obtained to remove the UST from the site. A copy of this permit is attached.

On April 14, 1999, a ***TERRASEARCH, inc.*** field geologist was on site to supervise the UST removal activities. The UST removal contractor was E & LC Company of Alamo, California, a State of California certified hazardous waste hauler. Steven Buscovich, a Hayward Fire Department Hazardous Materials Investigator was on-site to observe the tank removal and soil sampling activities. An A-I vacuum truck was called in to remove the rainwater, which had accumulated in the excavated areas around the UST. A sample of the water (W-1) was collected for analysis and placed in a pre-chilled ice chest for temporary storage. Once the water was removed, an E & LC Company excavator began breaking up the concrete tank. A steel tank liner was discovered within the outer concrete vault. The steel liner was shredded as it was removed, and mixed with the concrete debris and Class II soil. The concrete pieces, the remains of the steel liner, and the excavated soil were later hauled off-site in plastic-lined truck beds to Forward Landfill near Stockton, California. Copies of the Non-Hazardous Waste Manifests (job acceptance number 825032) and an approval letter from Forward Landfill and the Uniform Hazardous Waste Manifests are attached to this letter.

Oil-stained gravel was encountered around the tank location and a sample (1) was collected for lab analysis. The gravel and oil soil was removed and placed on the stockpile. The excavation was taken to a maximum depth of approximately 12 feet until the base was completely native soil. The excavation encompassed an area approximately 41 feet long and 22 feet wide.

A ***TERRASEARCH, inc.*** field geologist collected four soil samples (2-5) from the base of the excavation area. Soil sample 2 was collected at the eastern end, sample 3 was collected below the former UST location (approximately 2 feet below the tank), sample 4 was collected a the northern end, and sample 5 was collected at the western end of the excavation. Each soil samples was collected using clean brass tubes that were capped, labeled, and placed in a pre-chilled ice chest for temporary storage. The soil and water samples were delivered under chain-of-custody documentation to Entech Analytical Labs, a State-certified hazardous waste testing laboratory (certification no. 2346) for analysis. The samples were analyzed for the following: total petroleum hydrocarbons reported as gasoline (TPHg) and total petroleum hydrocarbons reported as diesel (TPHd) using EPA Methods 3550/8015 (modified); gasoline constituents benzene, toluene, ethyl benzene, and total xylenes (BTEX) and methyl- tertiary-butyl-ether (MTBE) using EPA Method 8260B; total recoverable petroleum hydrocarbons (TRPH) using Standard Method 5520 D&F; SVOs using EPA Method 8270; halogenated volatile organics (HVOs) using EPA Method 8010; and metals cadmium, chromium, nickel, lead, and zinc using EPA Method 6010.

Soil sample 1 represents the oil-stained gravel and water sample W-1 represents the rainwater that accumulated around the tank before it was removed. Both of these samples reported

significant concentrations of hydrocarbons. Considering that the gravel and rainwater were completely removed from the site, the analytical results of these two samples do not represent the present conditions at the site. Laboratory results of the native soil sampled from the base of the excavation (samples 2 through 5) are listed below in Table 1.

TABLE 1

Analytical Results of Gravel and Native Soil Samples and Water Sample 670 Olympic Avenue Hayward, California

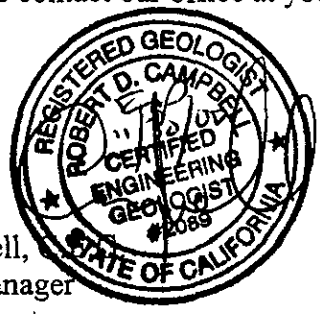
Sample ID	TPHg (mg/Kg)	TPHd (mg/Kg)	BTEX (mg/Kg)	MTBE (µg/Kg)	TRPH (mg/Kg)	SVOs (µg/Kg)	~~HVOs~~ (µg/Kg)
1	<1.0	200	0.008	16	550	<330 to <1700	9.3 to 76
2	<1.0	<1.0	<0.005	<0.005	<25	<330 to <1700	<5 to <20
3	<1.0	<1.0	<0.005	23	<25	<330 to <1700	<5 to <20
4	<1.0	1.3	<0.005	12	<25	<330 to <1700	<5 to <20
5	<1.0	<1.0	<0.005	<0.005	<25	<330 to <1700	<5 to <20
W-1	NA	NA	NA	NA	26	NA	NA

TPHg = Total petroleum hydrocarbons reported as gasoline using EPA Methods 3550/8015(m).
TPHd = Total petroleum hydrocarbons reported as diesel using EPA Methods 3550/8015(m).
BTEX = Benzene, toluene, ethyl benzene, total xylenes using EPA Method 8260B.
TRPH = Total recoverable petroleum hydrocarbons using SM 5520D&F.
SVOs = Semi-volatile organics using EPA Method 8270.
HVOs = Halogenated volatile organics using EPA Method 8010.
mg/Kg = Milligrams per kilogram, equivalent to parts per million (ppm).
µg/Kg = Micrograms per kilogram, equivalent to parts per billion (ppb).
< = Less than the laboratory method detection limit.
NA = Not analyzed.
Metals were detected at background concentrations (not detected to 52 mg/Kg), lead was not detected in any soil sample

Based on the analytical results obtained from beneath the former UST, *TERRASEARCH, inc.* recommends that further environmental work **is not** warranted for this site.

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

Reviewed by:



Robert D. Campbell,
Environmental Manager

Very truly yours,
TERRASEARCH, inc.

Chris Winn
Staff Geologist

Attachments: City of Hayward Fire Department UST Removal/Closure Plan
Hayward Fire Department Inspection Report
Forward Landfill Acceptance Letter
Uniform Non-Hazardous Waste Manifests
Sequoia Analytical Laboratory Report and Chain-of-Custody Form
Entech Analytical Labs Report and Chain-of-Custody Form

Copies: 3 to SummerHill Homes
1 to Steven Buscovich, City of Hayward Fire Department

EPA # CAC001470

4

HAYWARD FIRE DEPARTMENT

A Certified Unified Program Agency
777 B Street, Hayward, CA 9441-5007
(510) 583-4910

UNDERGROUND STORAGE TANK REMOVAL/CLOSURE PLAN

This Section For Hazardous Materials Office Use Only

Date Received: 4/1/99 Date Reviewed: 4/2/99

Permit No.: 6530 ( ) Approved ( ) Disapproved

Amount Paid: $ $540.00 (X) Approved with modifications/conditions

Received By: S. Buscovich

Reviewer's Comments: Must sample for UNknown including MTBE (See Attachment 3)

Reviewed By: Steve Buscovich

NOTES: 1. *For the purpose of this document, the term "tank" shall include underground or below-grade tanks, sumps, vaults, and other underground or below-grade storage facilities.*

2. *Attachments 1, 2, 3, and 6 to this Removal/Closure Form contain the guidelines issued by the California Regional Water Quality Control Board – San Francisco Bay Region and the City of Hayward on the removal/closure of underground storage tanks for hazardous substances.*

1. FACILITY/SITE NAME: Former Japanese Engines & Transmissions

Street Address: 670 Olympic Avenue

Contact Person: Craig Champion Tel. No. 650-842-2301

Facility's EPA I.D. No.

2. PROPERTY OWNER: Summerhill Homes

Mailing Address: 777 California Avenue

Telephone No. Palo Alto, CA 94304

Applicant's Initials

3. CONSULTANT(S): TerraSearch, Inc. / Robert Campbell

Mailing Address: 11840 Dublin Blvd. Dublin, CA 94568

Professional Registration: Certified Engineering Geologist #2089

Phone No. 925-833-9297

4. CONTRACTOR(S): E and LC Co.

Address: P.O. Box 467 Alamo, CA 94507

Contact Person: Gary L. Sorgdrager Tel. No. (925) 831-0851

Contractor's License (Type and No.) A. / 644557 A & C-21

Hayward Business License No. 123427 Expiration Date Feb 10 99

Worker's Compensation Ins. No. _____ Expiration Date _____

Contractor's State License Board Haz. Waste Cert. No. _____

Expiration Date _____

NOTES: 1. If any of the above listed licenses/certificates are not on file with the Hayward Fire Department, submit a copy of each with this Removal/Closure Plan.

2. The contractor is responsible for ensuring compliance with all applicable Industry Safety Standards; namely, OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). *Please have on-site, available for review, a copy of the **Health and Safety Plan**. The inspector present may stop all work if contractor fails to perform the specified work in accordance with the Health and Safety Plan and the provisions of this closure/removal plan.*

5. PROJECT MANAGER/PRIMARY CONTACT: Rob Campbell

Emergency Telephone Number(s): (925) 833-9297

6. REMOVAL/CLOSURE

(a) Tanks to be removed

Tank No.	Capacity	Material(s) Stored
1	500 gallons	motor oil

Applicant's Initials CW

(b) Why are tanks being removed?

( ) Facility is moving
( ) To avoid monitoring requirements
( ) Other_____
( ) Suspect tank/line leak
(X) Tanks not used anymore

NOTE: *If a leak is suspected, please attach documentary basis for this suspicion. (E.g., engineering reports, monitoring results, sample results)*

(c) When do you propose to remove/close the tanks?

Date:_____ Time:_____

(d) Attach a drawing showing the location of all tanks and associated underground pipes at the facility indicating which will be removed/closed, which will remain, the closest streets, the north direction, drawing scale, and buildings on the site. Include distances to landmarks, such as buildings, which will allow for exact location of tanks on the site.

(e) If the tank(s) are to be filled in-place, please fill out and submit Attachment 4, "Underground Tank Closure Form Supplement: In-Place Closures." Tanks are allowed to be closed in-place only if they are directly adjacent to a building and removal of the tank(s) will impair the structural integrity of the building.

(f) Notification of the Bay Area Air Quality Management District (BAAQMD) is required prior to tank removal activities. Violators may be fined a minimum of $500. Please complete Attachment 5 carefully and submit it to the BAAQMD at least five (5) working days prior to removal of tanks. ***Do not submit form to the Fire Department.***

NOTE: *While this application is provided for your convenience, we recommend that you contact the BAAQMD for any recent changes in reporting that may have occurred.*

(g) Describe how the tank will be inerted. The methods used must lower both the flammable vapors and the oxygen content. A riser at least 5 feet high must be placed on all openings during inerting to help keep vapors from accumulating in the excavation.

The Concrete tank will be broken up prior to being hauled off site

(h) An explosion-proof combustible gas meter must be used to verify tank inertness. Flammable vapors concentration must be below 15% of the Lower Explosive Limit (LEL) prior to removal. Equipment required to calibrate instruments must be on site. Provide make and model number of instrument to be used.

N/A.

Applicant's Initials 

7. SAMPLING

Soil and/or groundwater sampling should be done according to the guidelines in Attachment 1.

(a) Briefly describe the sampling protocol to be used. If necessary, attach a sampling map and a sampling procedure outline.

(b) All accessible pipings associated with underground tanks must be removed. Soil samples must be taken at least every 20 feet. Additional samples may be required if evidence of contamination is noted. If pipes are located under a building and if no other information exists which indicates that a leak may have occurred, it may be possible to use an inert gas pressure test to confirm the integrity of the pipes. The acceptability of this option will be determined on a case by case basis. A failed pressure test will necessitate further action.

How will pipelines, including fill, vent, vapor recovery, and delivery lines, be handled in accordance with the above requirements? (If removed, how will pipes be disposed of? If left in-place, how will pipes be tested, cleaned, and sealed?)

There are no pipelines

(c) Complete the "Sampling Summary" on page 5. Provide all applicable information required.

(d) Who will conduct the sampling?

Name: Terrasearch

Address:

(e) Who will analyze the samples?

Name of Laboratory: Entech Analytical Labs, Inc.

Address: 525 Del Rey Avenue, Suite E Sunnyvale, CA 94086

Is this analytical laboratory certified in California for all the analyses required?

☒ Yes ( ) No

Applicant's Initials

FACILITY NAME: Former Japanese Engines & Trans ADDRESS: 670 Olympic Ave Hayward

Tank System *	Size Capacity	Former Contents of Tank	Construction Material	Age	Material to be Sampled (Sludge, Soil, Etc.)	Preparation and Analytical Method Numbers
Tank #1	500	motor oil	Concrete	unknown	Soil & Sludge	5030/8015(m)/8020/ 8270/8240/8080/7000's TPH-C BTEX
Tank #2						Sample MTBE 8260
Tank #3						and other analysis
Tank #4						identified on Attachment 3.
Tank #5						

* A tank system includes the tank *and* associated piping (i.e., product, fill piping, vapor recovery, vent lines, and dispensers)

ANY ADDITIONAL PIPING TO BE REMOVED:

Additional Piping	Use (Vapor, Product, etc.)	Former Contents of Tank	Construction Material	Age	Material to be Sampled (Sludge, Soil, Etc.)	Preparation and Analytical Method Numbers
Pipe #1						
Pipe #2						
Pipe #3						

NOTE: California Regional Water Quality Control Board – San Francisco Bay Region Guidelines for sampling and analysis must be followed. (See Attachments 1, 2, and 3)

COMMENTS: _____

Applicant's Initials _____

NOTE: *Soil and water samples to be tested for organic compounds must be preserved in ice at 4 °C. An adequate quantity of "wet" ice is preferred. "Blue Ice" is not allowed; dry ice is acceptable. Samples should be protected from directly coming into contact with dry ice or "wet" ice.*

8. WASTE DISPOSAL

NOTES:

1. *Underground tanks and pipes, once removed, are a hazardous waste in California. They must be hauled to a certified waste site on certified trucks, accompanies by a Uniform Hazardous Waste Manifest.*

2. *Appropriate measures must be taken to keep the concentration of flammable gases in the tank below 15% of the Lower Explosive Limit (LEL) during and after excavation. Tanks must be removed from site on the same day that they are substantially exposed. While on site, after removal from the ground, tanks must be monitored a minimum of once per hour for "% LEL" and oxygen level readings. Tanks must leave the City of Hayward on the same day they are removed from site.*

3. *Rinsate from underground tanks is also considered hazardous waste and must be handled appropriately.*

4. *Contaminated soils also have restrictions related to their proper storage on site, transportation, and disposal.*

(a) Tank Hauler: E and LC Co.

Address: P.O. Box 467 Alamo, CA 94507

Is hauler a California-registered hazardous waste hauler?
(X) Yes ( ) No

Was hauler advised that tanks must leave Hayward on the day they are removed from site?
(X) Yes ( ) No

Name and address of treatment/disposal facility for tanks:
Forward Landfill Santa Rosa Stockton
9999 South Austin Road. 95336

(b) Product/Rinsate Hauler: _____

Address: _____ Phone No. _____

Is hauler a California-registered hazardous waste hauler?
( ) Yes ( ) No

Name and address of treatment/disposal facility for product/rinsate: _____

Applicant's Initials AW

(c) Contaminated Soil Hauler: E and LC Co

Address: P.O. Box 467 Phone No. (925) 831-0655

Is hauler a California-registered hazardous waste hauler?
(X) Yes ( ) No

Name and address of treatment/disposal facility for soil:

NOTES:

1. *Excavated backfill and soil may be removed from the site and taken to a Class I disposal site using a licensed hazardous waste hauler and Uniform Hazardous Waste Manifest without being required to be tested for contamination.*

2. *Soil may be stockpiled on site, tested per California Regional Water Quality Control Board – San Francisco Bay Region requirement, and depending on the results of the analyses, may be –*

   (a) *replaced in the excavation;*
   (b) *taken to a Class III disposal site;*
   (c) *used as a clean fill elsewhere;*
   (d) *taken to a class I dump; or*
   (e) *treated on-site, prior to disposal as in (1) or (2) above.*

   The California Regional Water Quality Control Board – San Francisco Bay Region determines which of (1) through (5) above is appropriate, given the analytical results.

3. *Any excavation can be filled as soon as the tanks are removed, as long as –*

   (a) *it is refilled only with clean, imported fill; and*
   (b) *it is understood that it may be necessary to re-excavate the area based upon the results of the analyses.*

Applicant's Initials

9. CERTIFICATION

I, Chris Winn, declare that:
(Name of Applicant)

(a) If any contamination is found during this tank removal/closure, I will immediately notify the Hayward Fire Department;

(b) If there is any change which would affect any of the information given in the foregoing, I will inform the Hayward Fire Department;

(c) I will file, within thirty (30) days after the tank removal/closure, a post-closure report in accordance with the attached instruction (#17 of Attachment 6, Additional Requirements); and

(d) Under the penalty of perjury, the foregoing information I gave in this removal/closure plan and all attachments thereto is true and correct.

Executed this 2 day of April, 1999, at 1430

Terrasearch
Name of Business

11840 Dublin Blvd Dublin, CA 94568
Address

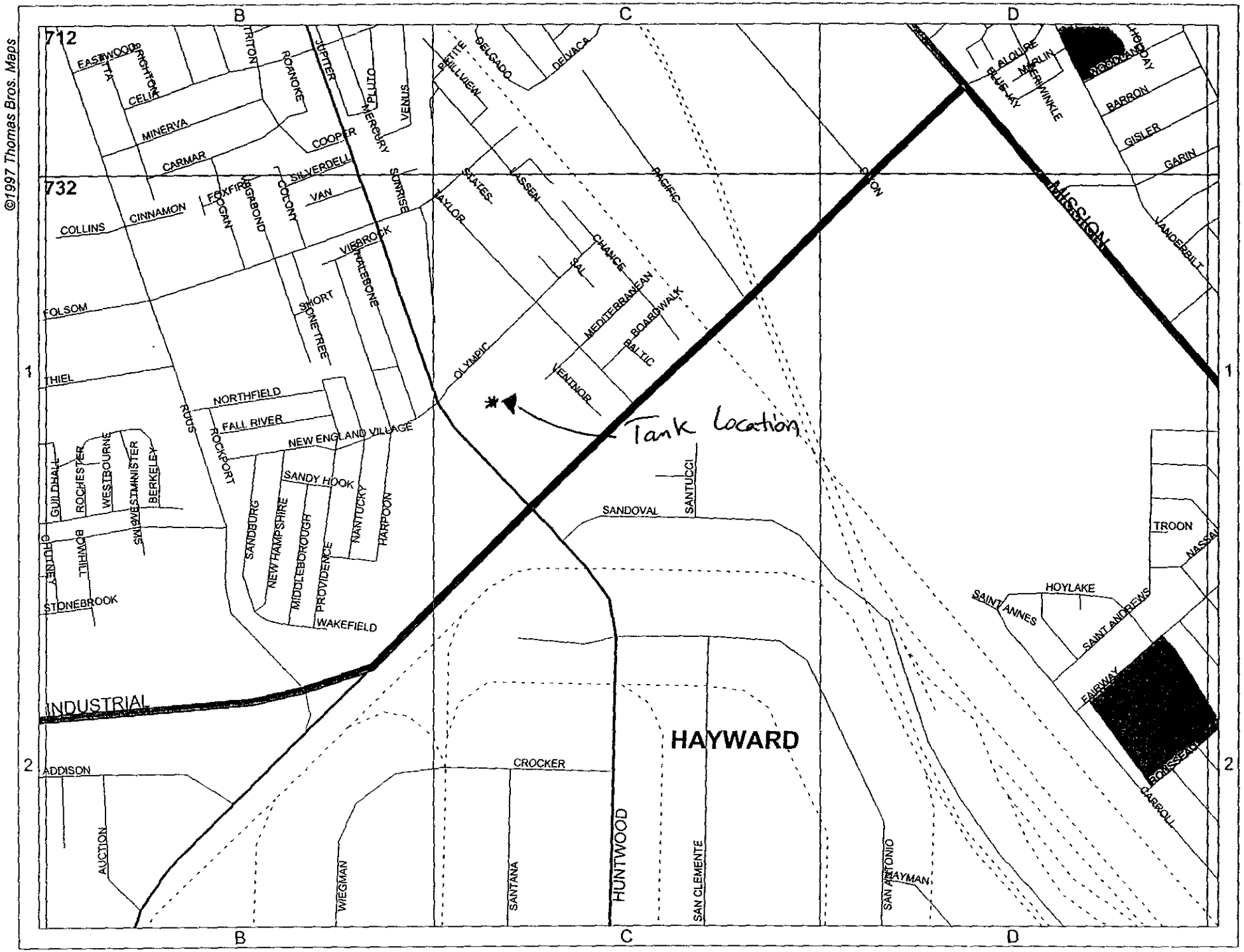
Chris Winn Geologist
Printed Name and Title of Applicant

Signature of Applicant

Completed forms should be submitted to:

CITY OF HAYWARD FIRE DEPARTMENT
HAZARDOUS MATERIALS OFFICE
777 "B" STREET
HAYWARD, CA 94541-5007

Applicant's Initials

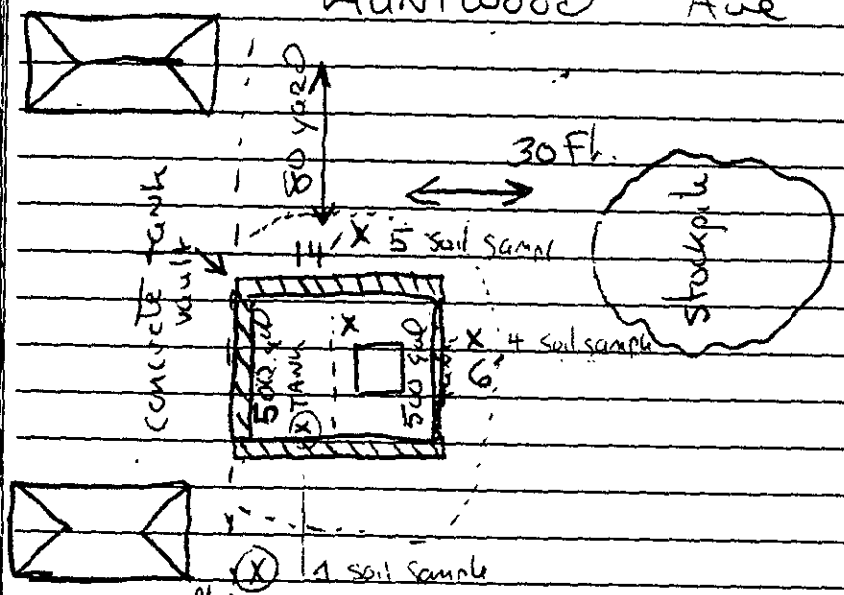

©1997 Thomas Bros. Maps
712
732
B
C
D
1
2
EASTWOOD
BRIGHTON
CELIA
MINERVA
CARMAR
TRITON
ROANOKE
JUPITER
PLUTO
MERCURY
VENUS
COOPER
SILVERDELL
SUNRISE
COLLINS
CINNAMON
FOXFIRE
LOGAN
EBERBOND
COLONY
VAN
VISBROOK
FOLSOM
SHORT
STONETREE
THIELESONE
THIEL
NORTHFIELD
FALL RIVER
NEW ENGLAND VILLAGE
REDS
ROCKPORT
GUILDHALL
ROCHESTER
WESTBOURNE
SWEETMINISTER
BERKELEY
GLOUCESTER
BOWHILL
STONEBROOK
SANDBURG
NEW HAMPSHIRE
MIDDLEBOROUGH
PROVIDENCE
SANDY HOOK
NANTUCKY
HARPOON
WAKEFIELD
INDUSTRIAL
ADDISON
AUCTION
WIEGMAN
SANTANA
CROCKER
HUNTWOOD
SAN CLEMENTE
SAN ANTONIO
HAYMAN
HAYWARD
PETITE
BELGADO
DELVACA
BELLVIEW
STATES
HASSEN
TAYLOR
PACIFIC
CHANCE
SAL
MEDITERRANEAN
BOARDWALK
BALTIC
VEATMOR
OLYMPIC
Tank Location
SANDOVAL
SANTUCCI
MISSION
ALQUIRE
BLUEJAY
MERLIN
MERRIMAKE
HOLIDAY
BARRON
GISLER
GARIN
VANDERBILT
TROON
HOYLAKE
SAINT ANNES
SAINT ANDREWS
FAIRWAY
CARROLL

HAYWARD FIRE DEPARTMENT
HAZARDOUS MATERIALS OFFICE
777 B Street, Hayward, CA 94541-5007
Telephone: (510) 583-4910 • Fax: (510) 583-3641

INSPECTION REPORT

Street Address: 670 Olympic Avenue
Name of Facility: Summerhill Homes
Facility Representative: TERRASEARCH Tel. No.:

DIAGRAM (not to scale)



Photos
29 tank intact
30 Steel tank (liners)
31 oily gravel

Samples
1 backfill (stained gravel)
1 water sample / 2** bottles
1 water sample / bottles
2 EAST WALL 9ft
3 Underneath tank 12 ft
4 North wall 8'ft
5 West wall 11'ft
Total 5* soil / 1* water

NOTES: Two steel lined tanks were discovered within the lined concrete vault. Water from recent rains was found in the excavation hole. Some oily sheen was observed on top of the water. GRAVEL was found between concrete and steel tanks. This GRAVEL was stained with what looked like oily substance.

Failure to comply with the requirements established in this field inspection report or in subsequent correspondence may result in the issuance of a Notice of Noncompliance as provided in Sections 3-8.55 of the Hayward Municipal Code. Noncompliance is punishable by criminal and/or civil penalties under Sections 3-8.64 and 3-8.65 of the Hayward Municipal Code, or other applicable Federal and State laws or regulations.

4/14/99
Date of Inspection

S. Buscovich
Hazardous Materials Investigator

X
Signature of Facility Representative

"Inspections or permits shall not be construed as authority to violate any applicable codes, laws, or regulations."

FORWARD
INCORPORATED

P.O. Box 6336
1145 W. Charter Way • Stockton, CA 95206
(209) 466-4482 • (800) 204-4242 • FAX (209) 466-1067

Via Fax # (925) 833-9548

May 6, 1999

Terrasearch, Inc.
11840 Dublin Blvd.
Dublin, CA 94568

Attn: Robert Campbell

Re: ***FORWARD, INC.*** Approval No. **825032**
Disposal of Hydrocarbon Contaminated Soil from
670 Olympic Avenue

Dear Mr. Campbell:

FORWARD INC. is pleased to inform you that the approximately 700 tons of Hydrocarbon Contaminated Soil from the referenced site has been approved for acceptance at our Manteca, California Landfill as a Class 2 waste. This approval will also include the debris from the thin walled steel tank associated with the former concrete sump. The approval a has been based on the information provided in the waste profile and associated materials submitted on behalf of Summerhill Homes (Generator). Acceptance of the waste is subject to regulatory requirements, and is also subject to the "Terms and Conditions" agreed to and signed by Generator in the waste profile.

This profile shall remain in effect until December 31, 1999, or until any significant changes in the waste stream occur. At that time, ***FORWARD, INC.*** will re-evaluate the profile, and current analytical data and requirements will be reviewed.

Thank you for the opportunity to be of service. Should you have any questions, please do not hesitate to contact me or our Customer Service at (800) 204-4242.

Sincerely,

FORWARD, INC.

Brad Bonner

Brad J. Bonner
Sales Manager

BJB/sr

F:\FORWARD\MERGE FORMS\ACCEPT.DOC

recycled paper

INVOICE

INVOICE NO. 1028

E and L C Co.

P.O. Box 467 • Alamo, CA 94507
(925) 831-0851

SOLD TO	SHIPPED TO
Summer Hill Const.	For-ward- Dumps.
STREET & NO. 777 Cal Ave	STREET & NO.
CITY Palo Alto STATE CA. ZIP 94304	CITY Manteca. STATE CA. ZIP

CUSTOMER'S ORDER	SALESMAN	TERMS	F.O.B.	DATE
Lex Stamah		Net day-10th		4-14-15-99

trucks and Dumping $600 - per Load.

29 Loads

For all - Dirt =

SUMMERHILL
APR 27 1999
REC'D BY ACCT

net $17400.00

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825032

TO BE COMPLETED BY THE GENERATOR

GENERATOR'S NAME
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY, STATE, ZIP
Palo Alto,CA 94304

PHONE
(650) 857-0122

CONTACT PERSON
Alex E. Schmidt

SIGNATURE OF AUTHORIZED GENERATOR / DATE
*

WASTE TYPE

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo,CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER / DATE
* 4-15-99

TRACTOR LIC. # 9A04728 TRUCK NUMBER E-1

TRAILER LIC. # 1YT2320

TRAILER LIC. #

- [x] END DUMP
- [ ] BOTTOM DUMP
- [ ] TRANSFER
- [ ] ROLL-OFF(S)
- [ ] FLAT-BED
- [ ] VAN
- [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT / DATE
* 4-15-99

CUBIC YARDS 18

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[x] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.
TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

C 694286

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR:
SummerHill Construction Company

MAILING ADDRESS:
777 California Avenue

CITY, STATE, ZIP:
Palo Alto, CA 94304

PHONE:
(650) 857-0122

CONTACT PERSON:
[illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE / DATE:
* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:
- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY:
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY:
670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME:
B and LC Company

ADDRESS:
Post Office Box 467

CITY, STATE, ZIP:
Alamo, CA 94507

PHONE:
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER / DATE:
* [signature]

TRACTOR LIC. # K1CRK4

TRUCK NUMBER: 14

TRAILER LIC. # 1UX5971

TRAILER LIC.:

- [x] END DUMP
- [ ] BOTTOM DUMP
- [ ] TRANSFER
- [ ] ROLL-OFF(S)
- [ ] FLAT-BED
- [ ] VAN
- [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT / DATE:
* [signature] 4/15/04

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[ ] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

MANIFEST C594287

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825032

TO BE COMPLETED BY THE GENERATOR

GENERATOR: [illegible] Hill Construction Company

MAILING ADDRESS: 777 California Avenue

CITY STATE ZIP: Palo Alto, CA 94304

PHONE: (650) 8[illegible]-0122

CONTACT NAME: Alex K. [illegible]

SIGNATURE: * [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:
- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY:

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY: 670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME: K and LC Company

ADDRESS: Post Office Box 467

CITY STATE ZIP: Alamo, CA 94507

PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE:

TRACTOR LIC. # [illegible]

TRUCK NUMBER: 4

TRAILER LIC. # 1UX591[illegible]

TRAILER LIC. #

END DUMP	BOTTOM DUMP	TRANSFER
[x]	[ ]	[ ]

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
[ ]	[ ]	[ ]	[ ]

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 4-15-99

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[x] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TO SCHEDULE CALL (209) 982-[illegible]

TRANSPORTER COPY

MANIFEST # C69429[illegible]

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

Summerhill Construction Company

777 California Avenue

Palo Alto, CA 94304

(650) 857-0122

[illegible]

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- [X] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [X] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY

670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME: E and LC Company

ADDRESS: Post Office Box 467

CITY STATE ZIP: Alamo, CA 94507

PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

* [signature] | 4·15·99

TRACTOR LIC. #: 2G1US77

TRUCK NUMBER: G2

TRAILER LIC. #:

TRAILER LIC. #:

END DUMP	BOTTOM DUMP	TRANSFER
[X]	[ ]	[ ]

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
[ ]	[ ]	[ ]	[ ]

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

* [signature] K. Sparks | 4/15/99

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST [illegible]

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

Summerhill Construction Company
777 California Avenue
Palo Alto, CA 94304
(650) 857-0122
[illegible]

Signature: * [signature]

[X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT
[ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY

670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company
ADDRESS
Post Office Box 467
CITY STATE ZIP
Alamo, CA 94507
PHONE
(510) 831-0851
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 4/15/99

TRACTOR LIC: 9K15693
TRUCK NUMBER: 59
TRAILER LIC: 1PB8395
TRAILER LIC:

[X] END DUMP [ ] BOTTOM DUMP [ ] TRANSFER
[ ] ROLL-OFF(S) [ ] FLAT BED [ ] VAN [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST 694292

YARD
ORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.: [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

AUTHORIZED PERSON
Alex K Schmidt

SIGNATURE OF AUTHORIZED AGENT *

WASTE TYPE

- ☐ TREATMENT SOIL
- ☐ DISPOSAL SOIL
- ☐ CONSTRUCTION SOIL
- ☑ STOCK PILE
- ☐ SLUDGE
- ☐ NON-FRIABLE ASBESTOS
- ☐ WOOD
- ☐ ASH
- ☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER * **DATE** 4/15/99

TRACTOR LIC. 9C15693

TRAILER LIC. V88398

TRAILER LIC.

TRUCK NUMBER 591

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT * **DATE** 4/15/99

CUBIC YARDS 10

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)	DISPOSE	BIO	AERATE	STOCKILE	OTHER
☑ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.
TO SCHEDULE CALL (209) 982-4298

THANK YOU FOR YOUR COOPERATION

MANIFEST # 694289

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR

SummerHill Construction Company

MAILING ADDRESS

777 California Avenue

CITY/STATE/ZIP

Palo Alto, CA 94304

PHONE

(650) 857-0122

PRINTED NAME

Alex K. Schmidt

SIGNATURE OF AUTHORIZED AGENT | DATE

* Alex K. Schmidt

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☐ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY

670 Olympic Ave HAYWARD

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME

B and LC Company

ADDRESS

Post Office Box 467

CITY/STATE/ZIP

Alamo, CA 94507

PHONE

(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

* Johnie M. Elliott | 4-15-99

TRACTOR LIC. # 9C05937 | TRUCK NUMBER 13

TRAILER LIC. # 1VP7876

TRAILER LIC. #

☒ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER

☐ ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS

18 YD

CUBIC YARDS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

*

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL				☒	
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☒ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

MANIFEST # 694271

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

Summerhill Construction Company

777 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

(650) 857-0122

Alex K. Schmidt

*

[X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT
[ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY
670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * | DATE: 4-15-99

TRACTOR LIC. 9C 09935 | TRUCK NUMBER 13
TRAILER LIC. 1VP7876
TRAILER LIC.

END DUMP [X] | BOTTOM DUMP [ ] | TRANSFER [ ]
ROLL-OFF(S) [ ] | FLAT-BED [ ] | VAN [ ] | DRUMS [ ]

18 YD

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * | DATE: 4-15-99

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

MANIFEST # 0694288

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

[illegible] Hill Construction Company
[illegible] Avenue
[illegible], CA [illegible]
([illegible]) [illegible]

* [signature]

PERSONAL PROTECTIVE EQUIPMENT: [X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT [ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES: [illegible]

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY:
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY:
670 Olympic Ave HAYWARD

TRANSPORTER / HAULER MUST COMPLETE

NAME: E and LC Company
ADDRESS: Post Office Box 467
CITY STATE ZIP: Alamo, CA 94507
PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 4.13.99

TRACTOR LIC.: 2GUS[illegible]1
TRUCK NUMBER: 62
TRAILER LIC.:
TRAILER LIC.:

END DUMP [X] BOTTOM DUMP [ ] TRANSFER [ ]
ROLL OFF(S) [ ] FLAT BED [ ] VAN [ ] DRUMS [ ]

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 4/14/[illegible]

CUBIC YARDS: 20

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. ● ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST 6694278

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

Summerhill Construction Company

777 California Avenue

Palo Alto, CA 94304

(650) 857-0122

Alex R. Schmidt

* [signature]

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

☐ TREATMENT SOIL
☐ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☒ STOCK PILE
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

RECEIVING FACILITY:

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY:

670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME: E and LC Company

ADDRESS: Post Office Box 467

CITY STATE ZIP: Alamo, CA 94507

PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 4-13-99

TRACTOR LIC. 2G11JJT TRUCK NUMBER: 62

TRAILER LIC. #

TRAILER LIC. #

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 4-14-97

CUBIC YARDS: 20

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST 694279

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825032

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

PHONE
(650) 852-0622

PRINTED NAME OF AUTHORIZED AGENT
Alex Schmidt

SIGNATURE OF AUTHORIZED AGENT | DATE
*

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☐ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 4-10-95

TRACTOR LIC. # GA70395 | TRUCK NUMBER
TRAILER LIC. # TWF1998 | 122
TRAILER LIC. #

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS
18

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.
TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY — MANIFEST # 694272

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [illegible]

TO BE COMPLETED BY THE GENERATOR

GENERATOR: Summerhill Construction Company

ADDRESS: 777 California Avenue

CITY, STATE, ZIP: Palo Alto, CA 94304

PHONE: [illegible]

NAME: [illegible]

SIGNATURE / DATE: * [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:
- [x] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

GENERATING FACILITY: 670 Olympic Ave HAYWARD

RECEIVING FACILITY:
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME: E and LC Company

ADDRESS: Post Office Box 467

CITY, STATE, ZIP: Alamo, CA 94507

PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 4-14

TRACTOR LIC. #: 9A04728 TRUCK NUMBER: E-1

TRAILER LIC. #: 1VT2320

TRAILER LIC. #:

- [x] END DUMP
- [ ] BOTTOM DUMP
- [ ] TRANSFER
- [ ] ROLL-OFF(S)
- [ ] FLAT-BED
- [ ] VAN
- [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 4/14/[illegible]

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[x] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST # 69427[illegible]

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY STATE ZIP
Palo Alto,CA 94304

PHONE
(650) 857-0122

CONTACT PERSON
Alex E. Schmidt

SIGNATURE OF AUTHORIZED AGENT / TITLE / DATE
* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- [X] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [X] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES

WASTE TYPE
- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY
670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY STATE ZIP
Alamo,CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER
* [signature]

DATE
4-14

TRACTOR LIC. 9A04728
TRUCK NUMBER E-4
TRAILER LIC. 1WT2320
TRAILER LIC.

- [X] END DUMP
- [ ] BOTTOM DUMP
- [ ] TRANSFER
- [ ] ROLL OFF(S)
- [ ] FLAT BED
- [ ] VAN
- [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT
* [signature]

DATE
4/14/99

CUBIC YARDS
18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

MANIFEST 69427

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

PRINTED NAME OF AUTHORIZED AGENT
Alex K. Schmidt

SIGNATURE OF AUTHORIZED AGENT | DATE
*

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☐ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* | 4-14-99

TRACTOR LIC. [redacted] TRUCK NUMBER 5-1

TRAILER LIC. [redacted]

TRAILER LIC. [redacted]

☒ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER

ROLL OFF(S) ☐ FLAT BED ☐ VAN ☐ DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
*

CUBIC YARDS

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.
TO SCHEDULE CALL (209) 982-4298

[illegible] TRANSPORTER COPY MANIFEST # 694282

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

CONTACT PERSON
Alex E. Schmidt

SIGNATURE OF AUTHORIZED AGENT/TITLE DATE
* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
[X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT
[ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE
[ ] TREATMENT SOIL
[ ] DISPOSAL SOIL
[ ] CONSTRUCTION SOIL
[X] STOCK PILE
[ ] SLUDGE
[ ] NON-FRIABLE ASBESTOS
[ ] WOOD
[ ] ASH
[ ] OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER DATE
* [signature]

TRACTOR LIC. # 9?K1051 TRUCK NUMBER T101
TRAILER LIC. UF5031
TRAILER LIC.

[X] END DUMP [ ] BOTTOM DUMP [ ] TRANSFER
[ ] ROLL-OFF(S) [ ] FLAT-BED [ ] VAN [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT DATE
* [signature] 4/14/99

CUBIC YARDS
18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER MANIFEST C 69427

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

SummerHill Construction Company

777 California Avenue

Palo Alto, CA 94304

(650) 857-0122

Alex E. Schenck

* (signature) (date)

Protective equipment: [X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT [ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES:

Waste type:

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

GENERATING FACILITY

670 Olympic Ave HAYWARD

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME: E and LC Company

ADDRESS: Post Office Box 467

CITY STATE ZIP: Alamo, CA 94507

PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * (signature) DATE: 4/14/99

TRACTOR LIC: 164?651 TRUCK NUMBER: T201

TRAILER LIC: UP5031

TRAILER LIC:

END DUMP	BOTTOM DUMP	TRANSFER
[X]	[ ]	[ ]

ROLL-OFF(S)	FLAT BED	VAN	DRUMS
[ ]	[ ]	[ ]	[ ]

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * (signature) DATE: 4-14-99

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. ● ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST NO. 694274

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
Summerhill Construction Company
MAILING ADDRESS
777 California Avenue
CITY, STATE, ZIP
Palo Alto, CA 94304
PHONE
(650) 857-0122
GENERATOR'S AGENT
Alex R. Schmidt
SIGNATURE OF GENERATOR OR GENERATOR'S AGENT | DATE
* [signature]

REQUIRED PPE'S WHEN DELIVERED (IF APPLICABLE)
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TYVEK ☐ OTHER

SPECIAL HANDLING PROCEDURES

WASTE

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☐ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company
ADDRESS
Post Office Box 467
CITY, STATE, ZIP
Alamo, CA 94507
PHONE
(510) 831-0851
SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* Kamaljit Singh | 4/14/99

TRACTOR I.D. [illegible] | TRUCK NUMBER 1101
TRAILER I.D. [illegible]
TRAILER I.D.

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT BED	VAN	DRUMS
☐	☐	☐	☐

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature]

CUBIC YARDS
150

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCK PILE	OTHER
☒ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE
SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

MANIFEST NO. 004283

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825032

TO BE COMPLETED BY THE GENERATOR

GENERATOR

SummerHill Construction Company

MAILING ADDRESS

777 California Avenue

CITY, STATE, ZIP

Palo Alto, CA 94304

PHONE

(650) 857-0122

[illegible]

Alan B. Schmidt

SIGNATURE [illegible] | DATE

* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

[illegible]

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY

670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME

E and LC Company

ADDRESS

Post Office Box 467

CITY, STATE, ZIP

Alamo, CA 94507

PHONE

(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

* [signature] | 4/1/1

TRACTOR LIC. 2G1057 | TRUCK NUMBER 62

TRAILER LIC.

TRAILER LIC. #

- [x] END DUMP
- [ ] BOTTOM DUMP
- [ ] TRANSFER
- [ ] ROLL-OFF(S)
- [ ] FLAT-BED
- [ ] VAN
- [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

* [signature] | 4/1/99

CUBIC YARDS

20

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[x] SOIL				1	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY | MANIFEST # C 69420[illegible]

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 82532

TO BE COMPLETED BY THE GENERATOR

GENERATOR
Shimmer Hill Construction Company

MAILING ADDRESS
777 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

CONTACT PERSON
Alex R. Schmidt

SIGNATURE OF AUTHORIZED AGENT | DATE
* Alex R. Schmidt

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☒ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and J C Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 4-15-99

TRACTOR LIC. # 9A0V720
TRUCK NUMBER E-1
TRAILER LIC. # 1VT2320
TRAILER LIC. #

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 4-15-99

CUBIC YARDS 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE
TO SCHEDULE CALL (209) 982-4298

FORWARD COPY | TRANSPORTER COPY | MANIFEST # 69429

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825032

TO BE COMPLETED BY THE GENERATOR

GENERATOR	REQUIRED PERSONAL PROTECTIVE EQUIPMENT
SummerHill Construction Company	[X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT [ ] TY-VEK [ ] OTHER
MAILING ADDRESS: 777 California Avenue	SPECIAL HANDLING PROCEDURES: DIRT
CITY STATE ZIP: Palo Alto,CA 94304	
PHONE: (650) 857-0122	
CONTACT PERSON: Alex K. Schmidt	
SIGNATURE OF AUTHORIZED AGENT/TITLE / DATE: * [signature]	

WASTE TYPE		RECEIVING FACILITY
[ ] TREATMENT SOIL	[ ] SLUDGE	FORWARD INC. LANDFILL
[ ] DISPOSAL SOIL	[ ] NON-FRIABLE ASBESTOS	9999 SOUTH AUSTIN ROAD
[ ] CONSTRUCTION SOIL	[ ] WOOD	MANTECA, CALIFORNIA 95336
[X] STOCK PILE	[ ] ASH	(209) 982-4298 PHONE
	[ ] OTHER	(209) 982-1009 FAX

GENERATING FACILITY: 670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME	TRACTOR LIC	TRUCK NUMBER
E and LC Company	7C09941	7
ADDRESS: Post Office Box 467	TRAILER LIC: YF 49141	
CITY STATE ZIP: Alamo,CA 94507	TRAILER LIC:	
PHONE: (510) 831-0851	[X] END DUMP [ ] BOTTOM DUMP [ ] TRANSFER	
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 4/15/99	[ ] ROLL-OFF(S) [ ] FLAT BED [ ] VAN [ ] DRUMS	

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 4-15-99

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298.

TRANSPORTER COPY

MANIFEST NO. 594285

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR:
SummerHill Construction Company

MAILING ADDRESS:
777 California Avenue

CITY STATE ZIP:
Palo Alto, CA 94304

PHONE:
(650) 857-0122

CONTACT PERSON:
Alex E. Schmidt

SIGNATURE OF AUTHORIZED AGENT / TITLE — DATE
* [signature]

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT:
[X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT
[ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES:
DIRT

DESCRIPTION:
[ ] TREATMENT SOIL
[ ] DISPOSAL SOIL
[ ] CONSTRUCTION SOIL
[X] STOCK PILE
[ ] SLUDGE
[ ] NON-FRIABLE ASBESTOS
[ ] WOOD
[ ] ASH
[ ] OTHER

RECEIVING FACILITY:
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY:
670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME:
E and LC Company

ADDRESS:
Post Office Box 467

CITY STATE ZIP:
Alamo, CA 94507

PHONE:
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER — DATE
* [signature] 4/15/99

TRACTOR LIC: 9A07751?1
TRUCK NUMBER: 77
TRAILER LIC: 1F?919?1
TRAILER LIC:

END DUMP	BOTTOM DUMP	TRANSFER	
[ ]	[ ]	[ ]	
ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
[ ]	[ ]	[ ]	[ ]

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT — DATE
* [signature] 4-15-99

CUBIC YARDS: 18

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[ ] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER — MANIFEST C 694270

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

GENERATOR

SummerHill Construction Company

777 California Avenue

Palo Alto, CA 94304

(650) 857-0122

Alex R. Schmidt

* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES

TO BE COMPLETED BY THE GENERATOR

WASTE TYPE

☐ TREATMENT SOIL ☐ DISPOSAL SOIL ☐ CONSTRUCTION SOIL ☒ STOCK PILE

☐ SLUDGE ☐ NON-FRIABLE ASBESTOS ☐ WOOD ☐ ASH ☐ OTHER

GENERATING FACILITY

670 Olympic Ave HAYWARD

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME

E and LC Company

ADDRESS

Post Office Box 467

CITY STATE ZIP

Alamo, CA 94507

PHONE

(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER — DATE

* [signature] 4/14/99

TRACTOR LIC. 7760994

TRUCK NUMBER 07

TRAILER LIC. 4AE5714

TRAILER LIC.

☒ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER

☐ ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT — DATE

* K Sparks 4/14/99

CUBIC YARDS

20

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST 694289

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR: SummerHill Construction Company	REQUIRED PERSONAL PROTECTIVE EQUIPMENT: [X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT [ ] TY-VEK [ ] OTHER
MAILING ADDRESS: 777 California Avenue	SPECIAL HANDLING PROCEDURES: Dirt
CITY STATE ZIP: Palo Alto, CA 94304	
PHONE: (650) 857-0122	
CONTACT PERSON: Alex R. Schaack	
SIGNATURE: * [signature]	

WASTE TYPE		RECEIVING FACILITY
[ ] TREATMENT SOIL	[ ] SLUDGE	FORWARD INC. LANDFILL
[ ] DISPOSAL SOIL	[ ] NON-FRIABLE ASBESTOS	9999 SOUTH AUSTIN ROAD
[ ] CONSTRUCTION SOIL	[ ] WOOD	MANTECA, CALIFORNIA 95336
[X] STOCK PILE	[ ] ASH	(209) 982-4298 PHONE
	[ ] OTHER	(209) 982-1009 FAX

GENERATING FACILITY: 670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME: E and LC Company	TRACTOR LIC. #: 9C09841 — TRUCK NUMBER: 7
ADDRESS: Post Office Box 467	TRAILER LIC. #: 4F4914
CITY STATE ZIP: Alamo, CA 94507	TRAILER LIC. #:
PHONE: (510) 831-0851	[X] END DUMP [ ] BOTTOM DUMP [ ] TRANSFER
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] — DATE: 4/14/99	[ ] ROLL-OFF(S) [ ] FLAT-BED [ ] VAN [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] — DATE: 4/14/99

CUBIC YARDS: 20

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST [illegible]

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY STATE ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

CONTACT PERSON
Alex E. Schmidt

SIGNATURE OF AUTHORIZED AGENT / TITLE / DATE
* [signature] Superintendent

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES
Dirt

WASTE TYPE
☐ TREATMENT SOIL
☐ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☒ STOCK PILE
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY STATE ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* [signature] | 4/1/99

TRACTOR LIC. #
7C09941

TRUCK NUMBER
7

TRAILER LIC. #
1F41919

TRAILER LIC. #

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE
* [signature] | 4-1-99

CUBIC YARDS
20

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☒ SOIL				✓	
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST C 94267

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825132

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY/STATE/ZIP
Palo Alto, CA 94304

PHONE
(650) 854-0122

PRINTED NAME OF AUTHORIZED AGENT
Alex L. Schmidt

SIGNATURE OF AUTHORIZED AGENT
* Alex L. Schmidt

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☐ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY
FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY/STATE/ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

TRACTOR LIC. #
9C05735

TRUCK NUMBER
13

TRAILER LIC. #
1VP7892

TRAILER LIC. #

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT BED	VAN	DRUMS
☐	☐	☐	☐

SIGNATURE OF AUTHORIZED AGENT OR DRIVER
* Johnny W. Elliott

DATE
4-14-95

18 YDS

CUBIC YARDS
18

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT

DATE

*

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL				✓	
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TO SCHEDULE CALL (209) 982-4298

FOR CASHIER'S USE ONLY

TRANSPORTER COPY

MANIFEST # 0694266

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR
SummerHill Construction Company

MAILING ADDRESS
777 California Avenue

CITY/STATE/ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

CONTACT PERSON
Alex R. Schmidt

SIGNATURE OF AUTHORIZED AGENT / TITLE / DATE
* Alex Schmidt Supt. [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
[X] GLOVES [ ] GOGGLES [ ] RESPIRATOR [X] HARD HAT
[ ] TY-VEK [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [X] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY
670 Olympic Ave HAYWARD

TRANSPORTER / HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY/STATE/ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER / DATE
* [signature] 4-14-99

TRACTOR LIC. # 9C09939
TRUCK NUMBER 13
TRAILER LIC. # 1VP7896
TRAILER LIC. #

END DUMP	BOTTOM DUMP	TRANSFER
[X]	[ ]	[ ]

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
[ ]	[ ]	[ ]	[ ]

18 YDs

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT / DATE
* [signature] 4-14-99

CUBIC YARDS

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[X] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. * ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY

MANIFEST # C 694265

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 825032

TO BE COMPLETED BY THE GENERATOR

GENERATOR
Summerhill Construction Company

ADDRESS
711 California Avenue

CITY, STATE, ZIP
Palo Alto, CA 94304

PHONE
(650) 857-0122

NAME
Alex E. Schmidt

SIGNATURE OF AUTHORIZED AGENT | **DATE**
* [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL	☐ SLUDGE
☐ DISPOSAL SOIL	☐ NON-FRIABLE ASBESTOS
☐ CONSTRUCTION SOIL	☐ WOOD
☒ STOCK PILE	☐ ASH
	☐ OTHER

GENERATING FACILITY
670 Olympic Ave HAYWARD

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME
E and LC Company

ADDRESS
Post Office Box 467

CITY, STATE, ZIP
Alamo, CA 94507

PHONE
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | **DATE**
* [signature] | 4-14-99

TRACTOR LIC. # 9C09939 **TRUCK NUMBER** 13

TRAILER LIC. # 1VP7896

TRAILER LIC. #

☒ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER

☐ ROLL-OFF(S) ☒ FLAT-BED ☐ VAN ☐ DRUMS

18 YD

CUBIC YARDS
1

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS

FACILITY TICKET NUMBER(S)

SIGNATURE OF AUTHORIZED AGENT | **DATE**
* [signature] 4-14-99

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL. ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TO SCHEDULE CALL (209) 982-4298

FORM C367 (NHT 8-98)

TRANSPORTER COPY

MANIFEST # 0059426

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR:
Summ[illegible]onstruction Company

MAILING ADDRESS:
777 California Avenue

CITY/STATE/ZIP:
Palo Alto,CA 94304

PHONE:
(650) 857-0122

CONTACT PERSON:
Alex R. Schmidt

SIGNATURE OF AUTHORIZED REPRESENTATIVE | DATE
* (signature)

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:
- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY:

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY:
670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME:
E and LC Company

ADDRESS:
Post Office Box 467

CITY/STATE/ZIP:
Alamo,CA 94507

PHONE:
(510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE
* (signature) 1-14-99

TRACTOR LIC. [illegible]
TRUCK NUMBER 122
TRAILER LIC. [illegible]
TRAILER LIC.

- [ ] END DUMP
- [ ] BOTTOM DUMP
- [ ] TRANSFER
- [ ] ROLL-OFF(S)
- [ ] FLAT BED
- [ ] VAN
- [ ] DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT | DATE
* K Sparks 1/14/99

CUBIC YARDS:
18

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[x] SOIL				✓	
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TO SCHEDULE CALL (209) 982-4298

MANIFEST # 69428

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST

WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted]

TO BE COMPLETED BY THE GENERATOR

GENERATOR: SummerHill Construction Company

MAILING ADDRESS: 777 California Avenue

CITY, STATE, ZIP: Palo Alto, CA 94304

PHONE: (650) 857-0122

CONTACT PERSON: Alex E. Schmid

SIGNATURE OF AUTHORIZED AGENT & TITLE / DATE: * [signature]

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
- [x] GLOVES
- [ ] GOGGLES
- [ ] RESPIRATOR
- [x] HARD HAT
- [ ] TY-VEK
- [ ] OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:
- [ ] TREATMENT SOIL
- [ ] DISPOSAL SOIL
- [ ] CONSTRUCTION SOIL
- [x] STOCK PILE
- [ ] SLUDGE
- [ ] NON-FRIABLE ASBESTOS
- [ ] WOOD
- [ ] ASH
- [ ] OTHER

RECEIVING FACILITY:

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY: 670 Olympic Ave HAYWARD

TRANSPORTER HAULER MUST COMPLETE

NAME: E and LC Company

ADDRESS: Post Office Box 467

CITY, STATE, ZIP: Alamo, CA 94507

PHONE: (510) 831-0851

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * [signature] DATE: 4-14-99

TRACTOR LIC. # 9117034? TRUCK NUMBER: 132

TRAILER LIC. # 1WF1288

TRAILER LIC. #

END DUMP	BOTTOM DUMP	TRANSFER
[x]	[ ]	[ ]

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
[ ]	[ ]	[ ]	[ ]

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * [signature] DATE: 4/14/99

CUBIC YARDS: 18

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
[ ] SOIL					
[ ] SLUDGE					
[ ] NON-FRIABLE ASBESTOS					
[ ] WOOD					
[ ] ASH					
[ ] OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

TRANSPORTER COPY MANIFEST No. 0694??

INVOICE NO. 1785

E and L C Co.

P.O. Box 467 • Alamo, CA 94507
(925) 831-0851

3-99

SOLD TO	SHIPPED TO
Summerhill homes	
STREET & NO.	STREET & NO.
	Huntwood + Olympic 670
CITY / STATE / ZIP	CITY / STATE / ZIP
Palo Alto CA.	Hayward CA

INVOICE

CUSTOMER'S ORDER	SALESMAN	TERMS	F.O.B.	DATE
EX-work	-	-		3-3-99

325 Excavator	4 hrs	@ 165	660	00
Digging Contaminated dirt from oil tank Covering Dirt with plastic				
working with S.I. man				
Labor 2 hrs		@ 26 HR.	52	00
			712	00

INVOICE NO.
4321

E and L C Co.

P. O. Box 467
Alamo, CA 94507

INVOICE

SOLD TO	SHIPPED TO
Summer Hill	Summer Hill
STREET & NO.	STREET & NO.
CITY Old Ltd STATE CA ZIP	CITY Hayward, STATE CA. ZIP

CUSTOMER'S ORDER	SOLD BY	TERMS	F.O.B.	DATE
		10 days	Job Site	4/19-99

Ex' - Work				
(1)	~~Pump Water 5~~ Holes Dug By Excator			
	Taylor ST SoB	4 Hrs	$165 Hr	$660.00
(2)	Pump Water From Hole			
	And Back-Fill 320-L	6 Hrs	$125 Hr	$750.00
	Olpy ST			
(3)	Trash Pump For De Watering			$108.00
(4)	Labor	$26. Hr. 5 Hrs		$130.00
				$1648.00

REDIFORM
7L 725

INVOICE NO.
4320

E and L C Co.

P. O. Box 467
Alamo, CA 94507

SOLD TO	SHIPPED TO
Summers Hill Con.	Summers Hill
STREET & NO. 777 Cal Ave	STREET & NO. 670 Alp. Job
CITY STATE ZIP Palo Alto CA 94304	CITY STATE ZIP Hayward CA.

CUSTOMER'S ORDER	SOLD BY	TERMS	F.O.B.	DATE
	Ex work	10 days		4-15-99

			HRS			
1	977 Loader	$125.00 HR	7	$	875.	xx
	Loading oil Dirt					xx
1	Laban	$26. per HR	8	$	208	00
1	525 EX	$ 165 HR	4	$	660	00
		net	$	1743		00

INVOICE

DIFORM 725

INVOICE

E and L C Co.

P.O. Box 467 • Alamo, CA 94507
(925) 831-0851

INVOICE NO. 1854

SOLD TO	SHIPPED TO
Summerhill homes	
STREET & NO. 777 California st	STREET & NO. 670 Olympic
CITY Palo Alto STATE CA ZIP	CITY Hayward STATE ZIP

CUSTOMER'S ORDER	SALESMAN	TERMS	F.O.B.	DATE
Reyad K. and Soils man				4-14-99

	Extra work, Digging oily Dirt (Per Reyad)			
①	move in 325 L (4 hrs)	$85 hr	$340	00
②	325 L Loading: Start 7:00 am 3:30 - 8 hrs = $165 hr		$1320	00
③	12 Rolls 6 ml Plastic Each	39	97 ea. $519	21
④	1 Laborer 8 hrs = at $26		$208	00
⑤	Pump Truck, Pump water out of hole.		$300	00
⑥	977 Loader For Back fill Out. 8 hrs $125		$1000	00
			$3687	21

A-1 SEPTIC TANK SERVICE, INC.

Contractors Lic. No. 438710
1111 Industrial Parkway West
HAYWARD, CALIFORNIA 94544
(510) 886-4455

CUSTOMER'S ORDER NO	PHONE	DATE
		4-14-99

NAME L + Lc Co.

ADDRESS 670 Olympic Hayward, Ca.

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT	
CHARLES		✓					Truck #24

QTY.	DESCRIPTION	PRICE	AMOUNT
	Pump Water out of box		300.00
	paid ck# 4637		
		TAX	
		TOTAL	$300.00

RECEIVED BY

3295 All claims and returned goods MUST be accompanied by this bill **Thank You**

Job# 9904

070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
070052002192	POLY SHEET	39.97
	SUBTOTAL	523.90
523.90	TAX CA 8.250	43.22
	TOTAL	$567.12
4024421000171589	VISA/MC	567.12
AUTH CODE 084745/5121705		TA

0635 12 84850 04/13/99 7078

ORIGINAL RECEIPT REQUIRED FOR REFUND
THANK YOU FOR SHOPPING AT THE HOME DEPOT
WAREHOUSE PRICES - DAY IN, DAY OUT

Job #9904

centerville rents, inc.

36660 fremont blvd.
fremont, ca. 94536
MON-SAT 7 30-5 30 SUNDAYS 8 00-5 00
(510) 793-5881
FAX (510) 793-2147

RENTAL AGREEMENT NO.

RESERVATION DEPOSIT NON-REFUNDABLE UNLESS 24 HOUR CANCELLATION NOTICE IS GIVEN.

ORIGINAL	236486A
CONTINUED FROM NO	236486A
CONTINUED TO NO	
TERMINATION # ____ TIME	
A) PARTIAL RETURN	
B) PARTIAL RETURN	
TIME IN	15:34 04/19/99
TIME OUT	10:38 04/19/99
TOTAL TIME	0 DYS 5 HRS

CUSTOMER ACCT NO
2488
ELC CORPORATION
P O BOX 467
ALAMO, CA 94507
925-831-0851
P/U BY 006
D.L. NO EXP.
VEHICLE LIC NO

**** CLOSING CONTRACT ****
670 OLYMPIC
CROSS ST HUNTWOOD
P.O NO JOB NO

EQUIPMENT WILL BE USED FOR

RENTED BY	RETURNED TO	OUT	IN
16	18		

QUANTITY STILL OUT	QTY OUT	QTY IN	ITEMS		
0	1	1	15-01-0021 - #21 2INCH TRASH P 1 MINIMUM AMOUNT @36.00	MI/36.00 HR/6.00	36.00
0	1	1	15-07-0022 - 2INCH SUCTION HOS NO HOURLY RATE		0.00
0	4	4	15-07-0020 - 2"X50' DISCHARGE 1 MINIMUM AMOUNT @8.00	MI/32.00 HR/6.00	32.00

Job #9904

CHECK ENGINE OIL EVERY TIME YOU REFUEL
I HAVE RECEIVED OPERATING
AND SAFETY INSTRUCTIONS.
INITIAL(_____)

TOTAL RENTAL	68.00
DELIVERY	20.00
PICK UP	20.00
TOTAL	108.00

ACCEPTS	DECLINES	
		EQUIPMENT PROTECTION PLAN: For an additional fee of 10% of the total rental, Rental Center agrees to waive claims for damage to equipment as specified on the back of this Rental Agreement. EQUIPMENT PROTECTION PLAN IS NOT INSURANCE

VEHICLE PROTECTION PLAN. By his initials or by separate written confirmation Customer agrees to pay an additional fee of $18.00 per day (with a maximum of $75.00 per week), and in return therefor, Centerville Rents agrees to waive certain claims for damage to rental vehicle excluding theft, mysterious disappearance, tire damage, abuse, or insufficient height or width clearance. Customer shall be fully liable for all damages if vehicle is used, operated or driven in violation of this rental agreement. Damage waiver is a $100.00 deductible. Protection Plan is not insurance.

ACCEPTS	DECLINES

Any weekly or monthly rate shall be limited to 8 hours of work per day, 6 days per week. Additional hours shall be charged on a pro-rata basis. Weekly rates are not automatic. We must be informed and paid in advance of rental.

IF I DO NOT UNDERSTAND, OR FORGET THE SAFETY/OPERATING INSTRUCTIONS I HAVE BEEN GIVEN, OR IF THE EQUIPMENT FAILS, I WILL NOT ATTEMPT TO OPERATE OR REPAIR IT. I WILL DISCONTINUE USE AND NOTIFY RENTAL CENTER IMMEDIATELY.
I have read, discussed, and understand the terms and conditions of the Agreement and agree to be bound thereto. SIGNING PERSONALLY AND FOR THE CUSTOMER:

X_____ PRINT NAME _____

THIS IS YOUR RENTAL AGREEMENT. READ BOTH SIDES BEFORE SIGNING.

BATCH NO.

AGREED RETURN DATE AND TIME
Equipment must be checked in at office during business hours

DATE 04/20/99 10:38OB

WRITTEN SAFETY INSTRUCTIONS. I have been given and agree to read safety instructions before operating or allowing rented equipment to be operated or used._____ INITIAL

[redacted] **SEQUOIA ANALYTICAL** [redacted] ❑ [redacted] Ches[redacted]ake [redacted] • R[redacted]od [redacted]CA [redacted] • ([redacted]364-[redacted] FA[redacted]5) 3[redacted]33 [redacted]

CHAIN OF CUSTODY

❑ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☒ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: Terrasearch, Inc.	Project Name: Summerhill - Olympic Ave.
Address: 11840 Dublin Blvd.	Billing Address (if different):
City: Dublin State: CA Zip Code: 94568	**9903105**
Telephone: (925) 833-9297 FAX #: 925-833-9548	P.O. #: E7618
Report To: Rob Campbell Sampler: Rob Campbell	QC Data: ☒ Level D (Standard) ❑ Level C ❑ Level B ❑ Level A

Turnaround Time: ❑ 10 Working Days ❑ 7 Working Days ☒ 5 Working Days ❑ 3 Working Days ❑ 2 Working Days ❑ 24 Hours ❑ 2 - 8 Hours

❑ Drinking Water ❑ Waste Water ❑ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	8270	8240	8080 (PCBs)	CAM17 TTLC	~~[illegible]~~	TEPH fuel FP	RCI			Comments
1. 1	3/3/99 10:00	Soil	1	Brass Tube	9030376							X			
2. 2	3/3/99 10:10	Soil	1	↓	9030377	X	X	X	X		(Composite)				
3. 3	3/3/99 10:15	Soil	1	↓	9030378	X	X	X	X		~~X~~				
4. 4	3/3/99 10:20	Soil	1	↓	9030379						X				
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: [signature]	Date: 3/3/99	Time: 1100	Received By:	Date:	Time:
Relinquished By: [signature]	Date: 3/3/99	Time: 1605	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 3/3/99	Time: 1605

Were Samples Received in Good Condition? ❑ Yes ❑ No Samples on Ice? ☒ Yes ❑ No Method of Shipment: Delivery Page 1 of 1

White - Sequoia Yellow - Sequoia Pink - Client

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Matrix: Soil
Analysis Method: EPA 3550/8015 Modified
First Sample #: 903-0379

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Reported: Mar 11, 1999

QC Batch Number: SP030599
8015EXA

FUEL FINGERPRINT

Analyte	Reporting Limit mg/kg	Sample I.D. 903-0379
Diesel (C9-C24)	1.0	<4 420
JP-4 (C8-C14)	1.0	N.I.
JP-5 (C10-C16)	1.0	N.I.
Kerosene (C10-C18)	1.0	N.I.
Motor Oil (>C16)	10	3,600
Paint Thinner (C10-C12)	1.0	N.I.
Unidentified Extractable Hydrocarbons	1.0	N.I.

Quality Control Data

Report Limit Multiplication Factor:	200
Date Extracted:	3/5/99
Date Analyzed:	3/9/99
Instrument Identification:	HP-3A

Unidentified Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.I. (None Identified) were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 2
Analysis Method: EPA 8240
Lab Number: 903-0377

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 9, 1999
Analyzed: Mar 10, 1999
Reported: Mar 11, 1999

QC Batch Number: SP030399824OEXA
Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	680
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	250	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

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

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript: Soil, 3
Analysis Method: EPA 8240
Lab Number: 903-0378

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 9, 1999
Analyzed: Mar 10, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0303998240EXA
Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone	500	N.D
Benzene	100	N.D
Bromodichloromethane	100	N.D
Bromoform	100	N.D
Bromomethane	100	N.D
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D
Chlorobenzene	100	N.D.
Chloroethane	100	N.D
2-Chloroethyl vinyl ether	100	N.D
Chloroform	500	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3 Dichloropropene	100	N.D.
Ethylbenzene	100	N.D
2 Hexanone	100	N.D
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	250	N.D.
Styrene	500	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D
Toluene	100	N.D
1,1,1-Trichloroethane	100	N.D
1,1,2-Trichloroethane	100	N.D
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.

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

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript: Soil, 2
Analysis Method: EPA 8240
Lab Number: 903-0377

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 9, 1999
Analyzed: Mar 10, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0303998240EXA
Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	93
Toluene-d8	50	150	95
4-Bromofluorobenzene	50	150	96

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

9030379 TER 3

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript: Soil, 3
Analysis Method: EPA 8240
Lab Number: 903-0378

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 9, 1999
Analyzed: Mar 10, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0303998240EXA
Instrument ID: GC/MS-2

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Surrogates	Control Limit %		% Recovery
1,2-Dichloroethane-d4	50	150	93
Toluene-d8	50	150	95
4-Bromofluorobenzene	50	150	97

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript: Soil, 2
Analysis Method: EPA 8270
Lab Number: 903-0377

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 5, 1999
Analyzed: Mar 5, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0301998270EXA
Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	100	N.D.
Acenaphthylene	100	N.D.
Aniline	100	N.D.
Anthracene	100	N.D.
Benzidine	2,500	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	100	N.D.
Benzo(b)fluoranthene	100	N.D.
Benzo(k)fluoranthene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.
Benzo(a)pyrene	100	N.D.
Benzyl alcohol	100	N.D.
Bis(2-chloroethoxy)methane	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	100	N.D.
Butyl benzyl phthalate	100	N.D.
4-Chloroaniline	100	N.D.
2-Chloronaphthalene	100	N.D.
4-Chloro-3-methylphenol	100	N.D.
2-Chlorophenol	100	N.D.
4 Chlorophenyl phenyl ether	100	N.D.
Chrysene	100	N.D.
Dibenz(a,h)anthracene	100	N.D.
Dibenzofuran	100	N.D.
Di-N-butyl phthalate	500	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	100	N.D.
Diethyl phthalate	100	N.D.
2,4-Dimethylphenol	100	N.D.
Dimethyl phthalate	100	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	100	N.D.
2,6-Dinitrotoluene	100	N.D.
Di-N-octyl phthalate	100	N.D.
Fluoranthene	100	N.D.
Fluorene	100	N.D.

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 2
Analysis Method: EPA 8270
Lab Number: 903-0377

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 5, 1999
Analyzed: Mar 5, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0301998270EXA
Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Hexachlorobenzene	100	N.D.
Hexachlorobutadiene	100	N.D.
Hexachlorocyclopentadiene	100	N.D.
Hexachloroethane	100	N.D.
Indeno(1,2,3-cd)pyrene	100	N.D.
Isophorone	100	N.D.
2-Methylnaphthalene	100	N.D.
2-Methylphenol	100	N.D.
4-Methylphenol	100	N.D.
Naphthalene	100	N.D.
2-Nitroaniline	100	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	500	N.D.
2-Nitrophenol	100	N.D.
4-Nitrophenol	100	N.D.
N-Nitrosodimethylamine	500	N.D.
N-Nitrosodiphenylamine	100	N.D.
N-Nitroso-di-N-propylamine	100	N.D.
Pentachlorophenol	100	N.D.
Phenanthrene	500	N.D.
Phenol	100	N.D.
Pyrene	100	N.D.
1,2,4-Trichlorobenzene	100	N.D.
2,4,5-Trichlorophenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.
	100	N.D.

Surrogates	Control Limit %		% Recovery
2-Fluorophenol	25	121	69
Phenol-d6	24	113	69
Nitrobenzene-d5	23	120	68
2-Fluorobiphenyl	30	115	74
2,4,6-Tribromophenol	19	122	68
4-Terphenyl-d14	18	137	70

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 3
Analysis Method: EPA 8270
Lab Number: 903-0378

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 5, 1999
Analyzed: Mar 5, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0301998270EXA
Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	100	N.D.
Acenaphthylene	100	N.D.
Aniline	100	N.D.
Anthracene	100	N.D.
Benzidine	2,500	N.D.
Benzoic Acid	500	N.D.
Benzo(a)anthracene	100	N.D.
Benzo(b)fluoranthene	100	N.D.
Benzo(k)fluoranthene	100	N.D.
Benzo(g,h,i)perylene	100	N.D.
Benzo(a)pyrene	100	N.D.
Benzyl alcohol	100	N.D.
Bis(2-chloroethoxy)methane	100	N.D.
Bis(2-chloroethyl)ether	100	N.D.
Bis(2-chloroisopropyl)ether	100	N.D.
Bis(2-ethylhexyl)phthalate	500	N.D.
4-Bromophenyl phenyl ether	100	N.D.
Butyl benzyl phthalate	100	N.D.
4-Chloroaniline	100	N.D.
2-Chloronaphthalene	100	N.D.
4-Chloro-3-methylphenol	100	N.D.
2-Chlorophenol	100	N.D.
4-Chlorophenyl phenyl ether	100	N.D.
Chrysene	100	N.D.
Dibenz(a,h)anthracene	100	N.D.
Dibenzofuran	100	N.D.
Di-N-butyl phthalate	500	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.
2,4-Dichlorophenol	100	N.D.
Diethyl phthalate	100	N.D.
2,4-Dimethylphenol	100	N.D.
Dimethyl phthalate	100	N.D.
4,6-Dinitro-2-methylphenol	500	N.D.
2,4-Dinitrophenol	500	N.D.
2,4-Dinitrotoluene	100	N.D.
2,6-Dinitrotoluene	100	N.D.
Di-N-octyl phthalate	100	N.D.
Fluoranthene	100	N.D.
Fluorene	100	N.D.

Sequoia Analytical

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript: Soil, 3
Analysis Method: EPA 8270
Lab Number: 903-0378

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 5, 1999
Analyzed: Mar 5, 1999
Reported: Mar 11, 1999

QC Batch Number: SP0301998270EXA
Instrument ID: GC/MS-1

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Hexachlorobenzene	100	N.D.
Hexachlorobutadiene	100	N.D.
Hexachlorocyclopentadiene	100	N.D.
Hexachloroethane	100	N.D.
Indeno(1,2,3-cd)pyrene	100	N.D.
Isophorone	100	N.D.
2-Methylnaphthalene	100	N.D.
2-Methylphenol	100	N.D.
4-Methylphenol	100	N.D.
Naphthalene	100	N.D.
2-Nitroaniline	500	N.D.
3-Nitroaniline	500	N.D.
4-Nitroaniline	500	N.D.
Nitrobenzene	100	N.D.
2-Nitrophenol	100	N.D.
4-Nitrophenol	500	N.D.
N-Nitrosodimethylamine	100	N.D.
N-Nitrosodiphenylamine	100	N.D.
N-Nitroso-di-N-propylamine	100	N.D.
Pentachlorophenol	500	N.D.
Phenanthrene	100	N.D.
Phenol	100	N.D.
Pyrene	100	N.D.
1,2,4-Trichlorobenzene	100	N.D.
2,4,5-Trichlorophenol	500	N.D.
2,4,6-Trichlorophenol	100	N.D.

Surrogates	Control Limit %	% Recovery
2-Fluorophenol	25	68
Phenol-d6	24	70
Nitrobenzene-d5	23	69
2-Fluorobiphenyl	30	72
2,4,6-Tribromophenol	19	68
4-Terphenyl-d14	18	72

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript. Soil, 2
Analysis Method: EPA 8080
Lab Number: 903-0377

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted. Mar 5, 1999
Analyzed Mar 8, 1999
Reported: Mar 11, 1999

QC Batch Number. GC030599OPCBEXA
Instrument ID: GCHP-12

POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
PCB 1016	20	N.D.
PCB 1221	80	N.D.
PCB 1232	20	N.D.
PCB 1242	20	N.D.
PCB 1248	20	N.D.
PCB 1254	20	N.D.
PCB 1260	20	N.D.

Surrogates	Control Limit %		% Recovery
Dibutylchlorendate	30	150	114
Tetrachloro-m-xylene	30	150	59

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

SEQUOIA ANALYTICAL #1210

Simple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 3
Analysis Method: EPA 8080
Lab Number: 903-0378

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Extracted: Mar 5, 1999
Analyzed: Mar 8, 1999
Reported: Mar 11, 1999

QC Batch Number: GC030599OPCBEXA
Instrument ID: GCHP-12

POLYCHLORINATED BIPHENYLS (EPA 8080)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
PCB 1016	20	N.D.
PCB 1221	80	N.D.
PCB 1232	20	N.D.
PCB 1242	20	N.D.
PCB 1248	20	N.D.
PCB 1254	20	N.D.
PCB 1260	20	N.D.

Surrogates	Control Limit %		% Recovery
Dibutylchlorendate	30	150	117
Tetrachloro-m-xylene	30	150	59

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

SEQUOIA ANALYTICAL #1210

Dimple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave
Sample Descript: Soil, 2

Lab Number: 903-0377

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Digested: Mar 4-9, 1999
Analyzed: Mar 10, 1999
Reported: Mar 11, 1999

CAM 17 METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Antimony	5.0	N.D.	ME030399601OMDA	MV-4
Arsenic	5.0	N.D.	ME030399601OMDA	MV-4
Barium	0.50	93	ME030399601OMDA	MV-4
Beryllium	0.50	N.D.	ME030399601OMDA	MV-4
Cadmium	0.50	N.D.	ME030399601OMDA	MV-4
Chromium (III)	0.50	26	ME030399601OMDA	MV-4
Cobalt	0.50	4.9	ME030399601OMDA	MV-4
Copper	0.50	14	ME030399601OMDA	MV-4
Lead	1.0	N.D.	ME030399601OMDA	MV-4
Mercury	0.010	0.016	ME0309997471MDA	MV-1
Molybdenum	0.50	N.D.	ME030399601OMDA	MV-4
Nickel	1.0	26	ME030399601OMDA	MV-4
Selenium	5.0	N.D.	ME030399601OMDA	MV-4
Silver	0.50	N.D.	ME030399601OMDA	MV-4
Thallium	5.0	N.D.	ME030399601OMDA	MV-4
Vanadium	0.50	17	ME030399601OMDA	MV-4
Zinc	1.0	22	ME030399601OMDA	MV-4

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 3

Lab Number: 903-0378

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Digested: Mar 4-9, 1999
Analyzed: Mar 10, 1999
Reported: Mar 11, 1999

CAM 17 METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Antimony	5.0	N.D.	ME0303996010MDA	MV-4
Arsenic	5.0	N.D	ME0303996010MDA	MV-4
Barium	0.50	90	ME0303996010MDA	MV-4
Beryllium	0.50	N.D.	ME0303996010MDA	MV-4
Cadmium	0.50	N.D.	ME0303996010MDA	MV-4
Chromium (III)	0.50	29	ME0303996010MDA	MV-4
Cobalt	0.50	20	ME0303996010MDA	MV-4
Copper	0.50	61	ME0303996010MDA	MV-4
Lead	1.0	N.D.	ME0303996010MDA	MV-4
Mercury	0.010	0.034	ME0309997471MDA	MV-1
Molybdenum	0.50	N.D.	ME0303996010MDA	MV-4
Nickel	1.0	40	ME0303996010MDA	MV-4
Selenium	5.0	N.D.	ME0303996010MDA	MV-4
Silver	0.50	N.D.	ME0303996010MDA	MV-4
Thallium	5.0	N.D.	ME0303996010MDA	MV-4
Vanadium	0.50	93	ME0303996010MDA	MV-4
Zinc	1.0	59	ME0303996010MDA	MV-4

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 1(Comp1-4)

Lab Number: 903-0376

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Analyzed: Mar 4, 1999
Reported: Mar 11, 1999

REACTIVITY

Analyte	Detection Limit mg/kg	Sample Results mg/kg	QC Batch Number	Instrument ID
Reactivity:				
Sulfide, mg/kg	50	N.D.	9030143	--
Cyanide, mg/kg	10	N.D	9030143	--
Reaction with water	N.A.	N.D.	9030143	--

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

SEQUOIA ANALYTICAL, #2245

Dimple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attention: Rob Campbell

Client Project ID: Summerhill- Olympic Ave.
Sample Descript: Soil, 1(Comp1-4)

Lab Number: 903-0376

Sampled: Mar 3, 1999
Received: Mar 3, 1999
Analyzed: Mar 5-11, 1999
Reported: Mar 11, 1999

CORROSIVITY AND IGNITABILITY

Analyte	Sample Results	QC Batch Number	Instrument ID
Corrosivity.			
pH	8.4	IN030599904514B	INPH-1
Ignitability.			
Flashpoint (Pensky-Martens), °C	>100	IN031199101000A	Manual

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

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-[illegible]

RUSH

Chain of Custody/Analysis Work Order

Client: Terrasearch
Address: 11840 Dublin Blvd
Dublin, CA 94568
Contact: Rob Campbell
Telephone #: (925) 833-9297
Date Received: 4/14/99 Fax (925) 833-9548
Turn Around: 24 Hour

Project ID: Olympic Ave, Hayward
Purchase Order #: E7618

Sampler/Company: Chris Winn / Terrasearch
Telephone #:
Special Instructions/Comments

LAB USE ONLY

Samples arrived chilled and intact:
Yes No
Notes: Cancel Gas, Diesel, BTEX, MTBE, ~~8010 for G9250~~, Cancel 8010 for all (VT) 4/14/99

Sample Information / **Requested Analysis**

Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH g (8015) TPH d 5030/8015 (m)	TOG 5520 D+F	BTEX + MTBE (cancel per client @ 4/15/99) 8260	metals Cd, Cr, Pb, Zn	8270	8010 (cancel per client VT)		
G9250	W-1	Grab	Water	4/14/99	720	HCl →	1 AMB 1 Glass	~~X~~	X	~~X~~	X	X	X		
G9245	1	~~Soil~~ Grab	Soil	4/14/99	900	None	Brass Liner	X	X	X	X	X	X		
G9246	2	Grab	↓	↓	1020	↓	↓	X	X	X	X	X	X		
G9247	3	Grab			1040			X	X	X	X	X	X		
G9248	4	Grab			1050			X	X	X	X	X	X		
G9249	5	Grab			1100			X	X	X	X	X	X		
								X	X	X	X	X	X		

Relinq By	Received By	Date	Time
[signature]	J. Sinish	4/14/99	1400
Relinq By: J. Sinish	Received By: [signature]	4/14/99	2:50pm
Relinq By	Received By	Date	Time

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attn: Rob Campbell

Date: 4/15/99
Date Received: 4/14/99
Project: Olympic Ave, Hayward
PO #: E7618
Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	1			2			3				
Sample Date	4/14/99			4/14/99			4/14/99				
Sample Time	9:00			10:20			10:40				
Lab #	G9245			G9246			G9247				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Analysis Date	4/15/99			4/15/99			4/15/99				
TRPH	**550**	1.0	25	**ND**	1.0	25	**ND**	1.0	25	25	SM5520

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attn: Rob Campbell

Date: 4/15/99
Date Received: 4/14/99
Project: Olympic Ave, Hayward
PO #: E7618
Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	4			5							
Sample Date	4/14/99			4/14/99							
Sample Time	10:50			11:00							
Lab #	G9248			G9249							
	Result	DF	DLR	Result	DF	DLR				PQL	Method
Analysis Date	4/15/99			4/15/99							
TRPH	**ND**	1.0	25	**ND**	1.0	25				25	SM5520

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attn: Rob Campbell

Date: 4/15/99
Date Received: 4/14/99
Project: Olympic Ave, Hayward
PO #: E7618
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	W-1										
Sample Date	4/14/99										
Sample Time	7:20										
Lab #	G9250										
	Result	DF	DLR							PQL	Method
Results in mg/Liter:											
Analysis Date	4/15/99										
TRPH	**26**	1.0	5.0							5.0	SM5520

DF=Dilution Factor ND=None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attn: Rob Campbell

Date: 4/15/99
Date Received: 4/14/99
Project: Olympic Ave, Hayward
PO #: E7618
Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	1			2			3				
Sample Date	4/14/99			4/14/99			4/14/99				
Sample Time	9:00			10:20			10:40				
Lab #	G9245			G9246			G9247				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Extraction	TTLC			TTLC			TTLC				3050
6010 Analysis Date	4/14/99			4/14/99			4/14/99				
Cadmium	**ND**	1.0	5.0	**ND**	1.0	5.0	**ND**	1.0	5.0	5.0	6010
Chromium	**14**	1.0	5.0	**27**	1.0	5.0	**29**	1.0	5.0	5.0	6010
Lead	**ND**	1.0	5.0	**ND**	1.0	5.0	**ND**	1.0	5.0	5.0	6010
Nickel	**16**	1.0	5.0	**35**	1.0	5.0	**35**	1.0	5.0	5.0	6010
Zinc	**28**	1.0	5.0	**46**	1.0	5.0	**52**	1.0	5.0	5.0	6010

Michelle L. Anderson, Lab Director

DF=Dilution Factor
PQL= Practical Quantitation Limit

ND=None Detected above DLR
DLR=Detection Reporting Limit

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attn: Rob Campbell

Date: 4/15/99
Date Received: 4/14/99
Project: Olympic Ave, Hayward
PO #: E7618
Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	4			5							
Sample Date	4/14/99			4/14/99							
Sample Time	10:50			11:00							
Lab #	G9248			G9249							
	Result	DF	DLR	Result	DF	DLR				PQL	Method
Extraction	TTLC			TTLC							3050
6010 Analysis Date	4/14/99			4/14/99							
Cadmium	**ND**	1.0	5.0	**ND**	1.0	5.0				5.0	6010
Chromium	**24**	1.0	5.0	**27**	1.0	5.0				5.0	6010
Lead	**ND**	1.0	5.0	**ND**	1.0	5.0				5.0	6010
Nickel	**29**	1.0	5.0	**34**	1.0	5.0				5.0	6010
Zinc	**45**	1.0	5.0	**44**	1.0	5.0				5.0	6010

Michelle L. Anderson, Lab Director

DF=Dilution Factor
PQL= Practical Quantitation Limit

ND=None Detected above DLR
DLR=Detection Reporting Limit

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Terrasearch
11840 Dublin Blvd.
Dublin, CA 94568
Attn: Rob Campbell

Date: 4/15/99
Date Received: 4/14/99
Project: Olympic Ave, Hayward
PO #: E7618
Sampled By: Client

Certified Analytical Report

Water Sample Analysis: (All results in mg/Liter)

Sample ID	W-1										
Sample Date	4/14/99										
Sample Time	7:20										
Lab #	G9250										
	Result	DF	DLR							PQL	Method
200.7 Analysis Date	4/15/99										
Cadmium	**ND**	1.0	0.005							0.005	200.7
Chromium	**0.008**	1.0	0.005							0.005	200.7
Lead	**0.029**	1.0	0.015							0.015	200.7
Nickel	**0.010**	1.0	0.005							0.005	200.7
Zinc	**0.037**	1.0	0.005							0.005	200.7

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

DF=Dilution Factor
PQL= Practical Quantitation Limit

ND=None Detected above DLR
DLR=Detection Reporting Limit

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

April 15, 1999

Rob Campbell
Terrasearch
11840 Dublin Blvd
Dublin, CA 94568

Subject:	5 Soil Samples and 1 Water Sample
Lab #'s:	G9245 through G9249 (Soil)
	G9250 (Water)
Project Name:	Olympic Ave, Hayward
Project Number:	
P.O. Number:	E7618
Method(s):	EPA 8260
	EPA 8015M - Acculabs
	EPA 8015M, EPA 8020, EPA 8270-ATL
Subcontract Lab(s):	Acculabs (CA ELAP#2330)
	Advanced Technology Laboratories (CA ELAP#1838)

Dear Rob Campbell,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#I-2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 9:00
Lab #: G9245
Client ID: 1

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/15/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Acetone	46	20	20	Chloroform	ND	5	5
Acrylonitrile	ND	5	5	Chloromethane	ND	5	5
Allyl Chloride	ND	5	5	2-Chlorotoluene	ND	5	5
tert-Amyl Methyl Ether	ND	5	5	4-Chlorotoluene	ND	5	5
Benzene	8.3	5	5	Dibromochloromethane	ND	5	5
Benzyl Chloride	ND	5	5	1,2-Dibromo-3-chloropropane	ND	5	5
Bromobenzene	ND	5	5	1,2-Dibromoethane	ND	5	5
Bromochloromethane	ND	5	5	Dibromomethane	ND	5	5
Bromodichloromethane	ND	5	5	cis-1,4-Dichloro-2-butene	ND	20	20
Bromoform	ND	5	5	trans-1,4-Dichloro-2-butene	ND	20	20
Bromomethane	ND	5	5	Dichlorodifluoromethane	ND	5	5
tert-Butanol	22	20	20	1,2-Dichlorobenzene	ND	5	5
2-Butanone (MEK)	ND	20	20	1,3-Dichlorobenzene	ND	5	5
tert-Butyl Ethyl Ether	ND	5	5	1,4-Dichlorobenzene	ND	5	5
n-Butylbenzene	41	5	5	1,1-Dichloroethane	ND	5	5
sec-Butylbenzene	22	5	5	1,2-Dichloroethane	ND	5	5
tert-Butylbenzene	ND	5	5	1,1-Dichloroethene	ND	5	5
Carbon Disulfide	ND	5	5	cis-1,2-Dichloroethene	ND	5	5
Carbon Tetrachloride	ND	5	5	trans-1,2-Dichloroethene	ND	5	5
Chlorobenzene	ND	5	5	1,2-Dichloropropane	ND	5	5
Chloroethane	ND	5	5	1,3-Dichloropropane	ND	5	5
2-Chloroethyl Vinyl Ether	ND	5	5	2,2-Dichloropropane	ND	5	5

Surrogate	Recovery (%)
Dibromofluoromethane	115
Toluene-d8	124
4-Bromofluorobenzene	56

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit

PQL: Practical Quantitation Limit
DF: Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 9:00
Lab #: G9245
Client ID: 1

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/15/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
1,1-Dichloropropene	ND	5	5	Tetrachloroethene	ND	5	5
cis-1,3-Dichloropropene	ND	5	5	Toluene	ND	5	5
trans-1,3-Dichloropropene	ND	5	5	1,2,3-Trichlorobenzene	ND	5	5
Diisopropyl Ether	ND	5	5	1,2,4-Trichlorobenzene	ND	5	5
Ethyl Methacrylate	ND	5	5	1,2,3-Trichloropropane	ND	5	5
Ethylbenzene	ND	5	5	1,1,1-Trichloroethane	ND	5	5
Hexachlorobutadiene	ND	5	5	1,1,2-Trichloroethane	ND	5	5
2-Hexanone	ND	20	20	Trichloroethene	ND	5	5
Iodomethane	ND	5	5	Trichlorofluoromethane	ND	5	5
Isopropylbenzene	9.3	5	5	1,2,4-Trimethylbenzene	13	5	5
p-Isopropyltoluene	ND	5	5	1,3,5-Trimethylbenzene	ND	5	5
Methacrylonitrile	ND	5	5	Xylenes (total)	ND	5	5
Methyl Methacrylate	ND	5	5	Vinyl Chloride	ND	5	5
4-Methyl-2-Pentanone (MIBK)	ND	20	20				
Methyl-tert-butyl Ether	16	5	5				
Methylene Chloride	ND	5	5				
Naphthalene	76	5	5				
Pentachloroethane	ND	5	5				
Propionitrile	ND	5	5				
n-Propylbenzene	ND	5	5				
Styrene	ND	5	5				
1,1,1,2-Tetrachloroethane	ND	5	5				
1,1,2,2-Tetrachloroethane	ND	5	5				

Surrogate	Recovery (%)
Dibromofluoromethane	115
Toluene-d8	124
4-Bromofluorobenzene	56

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Low surrogate recovery due to matrix interference
4. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR. Detection Reporting Limit

PQL Practical Quantitation Limit
DF Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 10:20
Lab #: G9246
Client ID: 2

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/14/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Acetone	ND	20	20	Chloroform	ND	5	5
Acrylonitrile	ND	5	5	Chloromethane	ND	5	5
Allyl Chloride	ND	5	5	2-Chlorotoluene	ND	5	5
tert-Amyl Methyl Ether	ND	5	5	4-Chlorotoluene	ND	5	5
Benzene	ND	5	5	Dibromochloromethane	ND	5	5
Benzyl Chloride	ND	5	5	1,2-Dibromo-3-chloropropane	ND	5	5
Bromobenzene	ND	5	5	1,2-Dibromoethane	ND	5	5
Bromochloromethane	ND	5	5	Dibromomethane	ND	5	5
Bromodichloromethane	ND	5	5	cis-1,4-Dichloro-2-butene	ND	20	20
Bromoform	ND	5	5	trans-1,4-Dichloro-2-butene	ND	20	20
Bromomethane	ND	5	5	Dichlorodifluoromethane	ND	5	5
tert-Butanol	ND	20	20	1,2-Dichlorobenzene	ND	5	5
2-Butanone (MEK)	ND	20	20	1,3-Dichlorobenzene	ND	5	5
tert-Butyl Ethyl Ether	ND	5	5	1,4-Dichlorobenzene	ND	5	5
n-Butylbenzene	ND	5	5	1,1-Dichloroethane	ND	5	5
sec-Butylbenzene	ND	5	5	1,2-Dichloroethane	ND	5	5
tert-Butylbenzene	ND	5	5	1,1-Dichloroethene	ND	5	5
Carbon Disulfide	ND	5	5	cis-1,2-Dichloroethene	ND	5	5
Carbon Tetrachloride	ND	5	5	trans-1,2-Dichloroethene	ND	5	5
Chlorobenzene	ND	5	5	1,2-Dichloropropane	ND	5	5
Chloroethane	ND	5	5	1,3-Dichloropropane	ND	5	5
2-Chloroethyl Vinyl Ether	ND	5	5	2,2-Dichloropropane	ND	5	5

Surrogate	Recovery (%)
Dibromofluoromethane	89
Toluene-d8	93
4-Bromofluorobenzene	87

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit

PQL: Practical Quantitation Limit
DF: Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 10:20
Lab #: G9246
Client ID: 2

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/14/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
1,1-Dichloropropene	ND	5	5	Tetrachloroethene	ND	5	5
cis-1,3-Dichloropropene	ND	5	5	Toluene	ND	5	5
trans-1,3-Dichloropropene	ND	5	5	1,2,3-Trichlorobenzene	ND	5	5
Diisopropyl Ether	ND	5	5	1,2,4-Trichlorobenzene	ND	5	5
Ethyl Methacrylate	ND	5	5	1,2,3-Trichloropropane	ND	5	5
Ethylbenzene	ND	5	5	1,1,1-Trichloroethane	ND	5	5
Hexachlorobutadiene	ND	5	5	1,1,2-Trichloroethane	ND	5	5
2-Hexanone	ND	20	20	Trichloroethene	ND	5	5
Iodomethane	ND	5	5	Trichlorofluoromethane	ND	5	5
Isopropylbenzene	ND	5	5	1,2,4-Trimethylbenzene	ND	5	5
p-Isopropyltoluene	ND	5	5	1,3,5-Trimethylbenzene	ND	5	5
Methacrylonitrile	ND	5	5	Xylenes (total)	ND	5	5
Methyl Methacrylate	ND	5	5	Vinyl Chloride	ND	5	5
4-Methyl-2-Pentanone (MIBK)	ND	20	20				
Methyl-tert-butyl Ether	ND	5	5				
Methylene Chloride	ND	5	5				
Naphthalene	ND	5	5				
Pentachloroethane	ND	5	5				
Propionitrile	ND	5	5				
n-Propylbenzene	ND	5	5				
Styrene	ND	5	5				
1,1,1,2-Tetrachloroethane	ND	5	5				
1,1,2,2-Tetrachloroethane	ND	5	5				

Surrogate	Recovery (%)
Dibromofluoromethane	89
Toluene-d8	93
4-Bromofluorobenzene	87

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit

PQL: Practical Quantitation Limit
DF Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 10:40
Lab #: G9247
Client ID: 3

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/14/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Acetone	ND	20	20	Chloroform	ND	5	5
Acrylonitrile	ND	5	5	Chloromethane	ND	5	5
Allyl Chloride	ND	5	5	2-Chlorotoluene	ND	5	5
tert-Amyl Methyl Ether	ND	5	5	4-Chlorotoluene	ND	5	5
Benzene	ND	5	5	Dibromochloromethane	ND	5	5
Benzyl Chloride	ND	5	5	1,2-Dibromo-3-chloropropane	ND	5	5
Bromobenzene	ND	5	5	1,2-Dibromoethane	ND	5	5
Bromochloromethane	ND	5	5	Dibromomethane	ND	5	5
Bromodichloromethane	ND	5	5	cis-1,4-Dichloro-2-butene	ND	20	20
Bromoform	ND	5	5	trans-1,4-Dichloro-2-butene	ND	20	20
Bromomethane	ND	5	5	Dichlorodifluoromethane	ND	5	5
tert-Butanol	ND	20	20	1,2-Dichlorobenzene	ND	5	5
2-Butanone (MEK)	ND	20	20	1,3-Dichlorobenzene	ND	5	5
tert-Butyl Ethyl Ether	ND	5	5	1,4-Dichlorobenzene	ND	5	5
n-Butylbenzene	ND	5	5	1,1-Dichloroethane	ND	5	5
sec-Butylbenzene	ND	5	5	1,2-Dichloroethane	ND	5	5
tert-Butylbenzene	ND	5	5	1,1-Dichloroethene	ND	5	5
Carbon Disulfide	ND	5	5	cis-1,2-Dichloroethene	ND	5	5
Carbon Tetrachloride	ND	5	5	trans-1,2-Dichloroethene	ND	5	5
Chlorobenzene	ND	5	5	1,2-Dichloropropane	ND	5	5
Chloroethane	ND	5	5	1,3-Dichloropropane	ND	5	5
2-Chloroethyl Vinyl Ether	ND	5	5	2,2-Dichloropropane	ND	5	5

Surrogate	Recovery (%)
Dibromofluoromethane	101
Toluene-d8	95
4-Bromofluorobenzene	86

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR Detection Reporting Limit

PQL Practical Quantitation Limit
DF Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 10:40
Lab #: G9247
Client ID: 3

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/14/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
1,1-Dichloropropene	ND	5	5	Tetrachloroethene	ND	5	5
cis-1,3-Dichloropropene	ND	5	5	Toluene	ND	5	5
trans-1,3-Dichloropropene	ND	5	5	1,2,3-Trichlorobenzene	ND	5	5
Diisopropyl Ether	ND	5	5	1,2,4-Trichlorobenzene	ND	5	5
Ethyl Methacrylate	ND	5	5	1,2,3-Trichloropropane	ND	5	5
Ethylbenzene	ND	5	5	1,1,1-Trichloroethane	ND	5	5
Hexachlorobutadiene	ND	5	5	1,1,2-Trichloroethane	ND	5	5
2-Hexanone	ND	20	20	Trichloroethene	ND	5	5
Iodomethane	ND	5	5	Trichlorofluoromethane	ND	5	5
Isopropylbenzene	ND	5	5	1,2,4-Trimethylbenzene	ND	5	5
p-Isopropyltoluene	ND	5	5	1,3,5-Trimethylbenzene	ND	5	5
Methacrylonitrile	ND	5	5	Xylenes (total)	ND	5	5
Methyl Methacrylate	ND	5	5	Vinyl Chloride	ND	5	5
4-Methyl-2-Pentanone (MIBK)	ND	20	20				
Methyl-tert-butyl Ether	23	5	5				
Methylene Chloride	ND	5	5				
Naphthalene	ND	5	5				
Pentachloroethane	ND	5	5				
Propionitrile	ND	5	5				
n-Propylbenzene	ND	5	5				
Styrene	ND	5	5				
1,1,1,2-Tetrachloroethane	ND	5	5				
1,1,2,2-Tetrachloroethane	ND	5	5				

Surrogate	Recovery (%)
Dibromofluoromethane	101
Toluene-d8	95
4-Bromofluorobenzene	86

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3 Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit

PQL: Practical Quantitation Limit
DF: Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 10:50
Lab #: G9248
Client ID: 4

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/14/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Acetone	ND	20	20	Chloroform	ND	5	5
Acrylonitrile	ND	5	5	Chloromethane	ND	5	5
Allyl Chloride	ND	5	5	2-Chlorotoluene	ND	5	5
tert-Amyl Methyl Ether	ND	5	5	4-Chlorotoluene	ND	5	5
Benzene	ND	5	5	Dibromochloromethane	ND	5	5
Benzyl Chloride	ND	5	5	1,2-Dibromo-3-chloropropane	ND	5	5
Bromobenzene	ND	5	5	1,2-Dibromoethane	ND	5	5
Bromochloromethane	ND	5	5	Dibromomethane	ND	5	5
Bromodichloromethane	ND	5	5	cis-1,4-Dichloro-2-butene	ND	20	20
Bromoform	ND	5	5	trans-1,4-Dichloro-2-butene	ND	20	20
Bromomethane	ND	5	5	Dichlorodifluoromethane	ND	5	5
tert-Butanol	ND	20	20	1,2-Dichlorobenzene	ND	5	5
2-Butanone (MEK)	ND	20	20	1,3-Dichlorobenzene	ND	5	5
tert-Butyl Ethyl Ether	ND	5	5	1,4-Dichlorobenzene	ND	5	5
n-Butylbenzene	ND	5	5	1,1-Dichloroethane	ND	5	5
sec-Butylbenzene	ND	5	5	1,2-Dichloroethane	ND	5	5
tert-Butylbenzene	ND	5	5	1,1-Dichloroethene	ND	5	5
Carbon Disulfide	ND	5	5	cis-1,2-Dichloroethene	ND	5	5
Carbon Tetrachloride	ND	5	5	trans-1,2-Dichloroethene	ND	5	5
Chlorobenzene	ND	5	5	1,2-Dichloropropane	ND	5	5
Chloroethane	ND	5	5	1,3-Dichloropropane	ND	5	5
2-Chloroethyl Vinyl Ether	ND	5	5	2,2-Dichloropropane	ND	5	5

Surrogate	Recovery (%)
Dibromofluoromethane	95
Toluene-d8	94
4-Bromofluorobenzene	92

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND. None Detected at or above DLR
DLR Detection Reporting Limit
PQL Practical Quantitation Limit
DF Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 10:50
Lab #: G9248
Client ID: 4

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/14/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
1,1-Dichloropropene	ND	5	5	Tetrachloroethene	ND	5	5
cis-1,3-Dichloropropene	ND	5	5	Toluene	ND	5	5
trans-1,3-Dichloropropene	ND	5	5	1,2,3-Trichlorobenzene	ND	5	5
Diisopropyl Ether	ND	5	5	1,2,4-Trichlorobenzene	ND	5	5
Ethyl Methacrylate	ND	5	5	1,2,3-Trichloropropane	ND	5	5
Ethylbenzene	ND	5	5	1,1,1-Trichloroethane	ND	5	5
Hexachlorobutadiene	ND	5	5	1,1,2-Trichloroethane	ND	5	5
2-Hexanone	ND	20	20	Trichloroethene	ND	5	5
Iodomethane	ND	5	5	Trichlorofluoromethane	ND	5	5
Isopropylbenzene	ND	5	5	1,2,4-Trimethylbenzene	ND	5	5
p-Isopropyltoluene	ND	5	5	1,3,5-Trimethylbenzene	ND	5	5
Methacrylonitrile	ND	5	5	Xylenes (total)	ND	5	5
Methyl Methacrylate	ND	5	5	Vinyl Chloride	ND	5	5
4-Methyl-2-Pentanone (MIBK)	ND	20	20				
Methyl-tert-butyl Ether	12	5	5				
Methylene Chloride	ND	5	5				
Naphthalene	ND	5	5				
Pentachloroethane	ND	5	5				
Propionitrile	ND	5	5				
n-Propylbenzene	ND	5	5				
Styrene	ND	5	5				
1,1,1,2-Tetrachloroethane	ND	5	5				
1,1,2,2-Tetrachloroethane	ND	5	5				

Surrogate	Recovery (%)
Dibromofluoromethane	95
Toluene-d8	94
4-Bromofluorobenzene	92

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND. None Detected at or above DLR
DLR. Detection Reporting Limit

PQL Practical Quantitation Limit
DF Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 11:00
Lab #: G9249
Client ID: 5

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/15/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
Acetone	ND	20	20	Chloroform	ND	5	5
Acrylonitrile	ND	5	5	Chloromethane	ND	5	5
Allyl Chloride	ND	5	5	2-Chlorotoluene	ND	5	5
tert-Amyl Methyl Ether	ND	5	5	4-Chlorotoluene	ND	5	5
Benzene	ND	5	5	Dibromochloromethane	ND	5	5
Benzyl Chloride	ND	5	5	1,2-Dibromo-3-chloropropane	ND	5	5
Bromobenzene	ND	5	5	1,2-Dibromoethane	ND	5	5
Bromochloromethane	ND	5	5	Dibromomethane	ND	5	5
Bromodichloromethane	ND	5	5	cis-1,4-Dichloro-2-butene	ND	20	20
Bromoform	ND	5	5	trans-1,4-Dichloro-2-butene	ND	20	20
Bromomethane	ND	5	5	Dichlorodifluoromethane	ND	5	5
tert-Butanol	ND	20	20	1,2-Dichlorobenzene	ND	5	5
2-Butanone (MEK)	ND	20	20	1,3-Dichlorobenzene	ND	5	5
tert-Butyl Ethyl Ether	ND	5	5	1,4-Dichlorobenzene	ND	5	5
n-Butylbenzene	ND	5	5	1,1-Dichloroethane	ND	5	5
sec-Butylbenzene	ND	5	5	1,2-Dichloroethane	ND	5	5
tert-Butylbenzene	ND	5	5	1,1-Dichloroethene	ND	5	5
Carbon Disulfide	ND	5	5	cis-1,2-Dichloroethene	ND	5	5
Carbon Tetrachloride	ND	5	5	trans-1,2-Dichloroethene	ND	5	5
Chlorobenzene	ND	5	5	1,2-Dichloropropane	ND	5	5
Chloroethane	ND	5	5	1,3-Dichloropropane	ND	5	5
2-Chloroethyl Vinyl Ether	ND	5	5	2,2-Dichloropropane	ND	5	5

Surrogate	Recovery (%)
Dibromofluoromethane	97
Toluene-d8	91
4-Bromofluorobenzene	88

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND. None Detected at or above DLR
DLR. Detection Reporting Limit

PQL Practical Quantitation Limit
DF Dilution Factor

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Certified Analytical Report
Volatile Organic Compounds by EPA Method 8260B

Client: Terrasearch
Sample Matrix: Soil
Sample Date/Time: 4/14/99 11:00
Lab #: G9249
Client ID: 5

Date Reported: 4/15/99
Date Received: 4/14/99
Date Analyzed: 4/15/99
Dilution Factor: 1

Compound	Value	PQL	DLR	Compound	Value	PQL	DLR
1,1-Dichloropropene	ND	5	5	Tetrachloroethene	ND	5	5
cis-1,3-Dichloropropene	ND	5	5	Toluene	ND	5	5
trans-1,3-Dichloropropene	ND	5	5	1,2,3-Trichlorobenzene	ND	5	5
Diisopropyl Ether	ND	5	5	1,2,4-Trichlorobenzene	ND	5	5
Ethyl Methacrylate	ND	5	5	1,2,3-Trichloropropane	ND	5	5
Ethylbenzene	ND	5	5	1,1,1-Trichloroethane	ND	5	5
Hexachlorobutadiene	ND	5	5	1,1,2-Trichloroethane	ND	5	5
2-Hexanone	ND	20	20	Trichloroethene	ND	5	5
Iodomethane	ND	5	5	Trichlorofluoromethane	ND	5	5
Isopropylbenzene	ND	5	5	1,2,4-Trimethylbenzene	ND	5	5
p-Isopropyltoluene	ND	5	5	1,3,5-Trimethylbenzene	ND	5	5
Methacrylonitrile	ND	5	5	Xylenes (total)	ND	5	5
Methyl Methacrylate	ND	5	5	Vinyl Chloride	ND	5	5
4-Methyl-2-Pentanone (MIBK)	ND	20	20				
Methyl-tert-butyl Ether	ND	5	5				
Methylene Chloride	ND	5	5				
Naphthalene	ND	5	5				
Pentachloroethane	ND	5	5				
Propionitrile	ND	5	5				
n-Propylbenzene	ND	5	5				
Styrene	ND	5	5				
1,1,1,2-Tetrachloroethane	ND	5	5				
1,1,2,2-Tetrachloroethane	ND	5	5				

Surrogate	Recovery (%)
Dibromofluoromethane	97
Toluene-d8	91
4-Bromofluorobenzene	88

1. Results are reported in ug/kg (ppb).
2. DLR= DF x PQL
3. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #I-2346)

Michelle L. Anderson, Lab Director

ND: None Detected at or above DLR
DLR: Detection Reporting Limit
PQL: Practical Quantitation Limit
DF: Dilution Factor

April 15, 1999 ELAP No.: 1838

Entech Analytical Labs, Inc.
525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

ATTN: Michelle Anderson

Client's Project: Terrasearch
Lab No.: 34938-001/006

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (562) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Cheryl De Los Reyes
Technical Operations Manager
CDR/jh

Enclosures

This cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil

METHOD 8015M (Gasoline)/EPA 8020

Lab No.:		Method Blank		34938-001															
Client Sample I.D.:		---		G9245(1)															
Date Sampled:		---		04/14/99															
QC Batch #:		I998G20S114		I998G20S114															
Date Analyzed:		04/15/99		04/15/99															
Analyst Initials:		AK		AK															
Dilution Factor:		1		1															
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg	1.0	ND	1.0	ND														
Benzene	5	µg/kg	5.0	ND	5.0	ND														
Toluene	5	µg/kg	5.0	ND	5.0	ND														
Ethylbenzene	5	µg/kg	5.0	ND	5.0	ND														
Xylenes (total)	5	µg/kg	5.0	ND	5.0	ND														

Lab No.:																			
Client Sample I.D.:																			
Date Sampled:																			
QC Batch #:																			
Date Analyzed:																			
Analyst Initials:																			
Dilution Factor:																			
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg																		
Benzene	5	µg/kg																		
Toluene	5	µg/kg																		
Ethylbenzene	5	µg/kg																		
Xylenes (total)	5	µg/kg																		

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 4/15/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil

METHOD 8015M (Gasoline)/EPA 8020

Lab No.:	34938-002
Client Sample I.D.:	G9246(2)
Date Sampled:	04/14/99
QC Batch #:	I998G20S114
Date Analyzed:	04/15/99
Analyst Initials:	AK
Dilution Factor:	1

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg	1.0	ND																
Benzene	5	µg/kg	5.0	ND																
Toluene	5	µg/kg	5.0	ND																
Ethylbenzene	5	µg/kg	5.0	ND																
Xylenes (total)	5	µg/kg	5.0	ND																

Lab No.:	
Client Sample I.D.:	
Date Sampled:	
QC Batch #:	
Date Analyzed:	
Analyst Initials:	
Dilution Factor:	

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg																		
Benzene	5	µg/kg																		
Toluene	5	µg/kg																		
Ethylbenzene	5	µg/kg																		
Xylenes (total)	5	µg/kg																		

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 4/15/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil

METHOD 8015M (Gasoline)/EPA 8020

Lab No.:	34938-003
Client Sample I.D.:	G9247(3)
Date Sampled:	04/14/99
QC Batch #:	I998G20S114
Date Analyzed:	04/15/99
Analyst Initials:	AK
Dilution Factor:	1

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg	1.0	ND																		
Benzene	5	µg/kg	5.0	ND																		
Toluene	5	µg/kg	5.0	ND																		
Ethylbenzene	5	µg/kg	5.0	ND																		
Xylenes (total)	5	µg/kg	5.0	ND																		

Lab No.:	
Client Sample I.D.:	
Date Sampled:	
QC Batch #:	
Date Analyzed:	
Analyst Initials:	
Dilution Factor:	

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg																				
Benzene	5	µg/kg																				
Toluene	5	µg/kg																				
Ethylbenzene	5	µg/kg																				
Xylenes (total)	5	µg/kg																				

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 4/15/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil

METHOD 8015M (Gasoline)/EPA 8020

Lab No.:	34938-004																				
Client Sample I.D.:	G9248(4)																				
Date Sampled:	04/14/99																				
QC Batch #:	I998G20S114																				
Date Analyzed:	04/15/99																				
Analyst Initials:	AK																				
Dilution Factor:	1																				
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg	1.0	ND																	
Benzene	5	µg/kg	5.0	ND																	
Toluene	5	µg/kg	5.0	ND																	
Ethylbenzene	5	µg/kg	5.0	ND																	
Xylenes (total)	5	µg/kg	5.0	ND																	

Lab No.:																					
Client Sample I.D.:																					
Date Sampled:																					
QC Batch #:																					
Date Analyzed:																					
Analyst Initials:																					
Dilution Factor:																					
Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg																			
Benzene	5	µg/kg																			
Toluene	5	µg/kg																			
Ethylbenzene	5	µg/kg																			
Xylenes (total)	5	µg/kg																			

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 4/15/99

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel.: 562 989-4045 Fax: 562 989-4040

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil

METHOD 8015M (Gasoline)/EPA 8020

Lab No.:	34938-005																						
Client Sample I.D.:	G9249(5)																						
Date Sampled:	04/14/99																						
QC Batch #:	I998G20S114																						
Date Analyzed:	04/15/99																						
Analyst Initials:	AK																						
Dilution Factor:	1																						

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg	1.0	ND																		
Benzene	5	µg/kg	5.0	ND																		
Toluene	5	µg/kg	5.0	ND																		
Ethylbenzene	5	µg/kg	5.0	ND																		
Xylenes (total)	5	µg/kg	5.0	ND																		

Lab No.:																							
Client Sample I.D.:																							
Date Sampled:																							
QC Batch #:																							
Date Analyzed:																							
Analyst Initials:																							
Dilution Factor:																							

Analyte	MDL	Units	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DL	Results	DL	Results
TPH (Gas)	1	mg/kg																				
Benzene	5	µg/kg																				
Toluene	5	µg/kg																				
Ethylbenzene	5	µg/kg																				
Xylenes (total)	5	µg/kg																				

MDL = Method Detection Limit
ND = Not Detected. (Below DLR)

DLR = MDL X Dilution Factor
NA = Not Analyzed

Reviewed/Approved By: _____
Lee Ingvaldson, Department Supervisor

Date: 4/15/99

The cover letter is an integral part of this analytical report.

Acculabs Inc.
Davis
1046 Olive Drive, Davis CA 95616 ▪ 530-757-0920 ▪ Fax 753-6091

Sample Log 19887
April 15, 1999

Michelle Anderson
Entech Analytical Labs, Inc.
525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

Subject : 5 Soil samples
Project Name : Terrasearch
Project Number :

Dear Ms. Anderson,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

Acculabs - Davis is certified by the State of Arizona (AZ0583) and the State of California (# 2330). If you have any questions regarding procedures or results, please call me at 530-757-0920.

Sincerely,

Tom Kwoka

Tom Kwoka

Acculabs Inc.
Davis
1046 Olive Drive, Davis CA 95616 ▪ 530-757-0920 ▪ Fax 753-6091

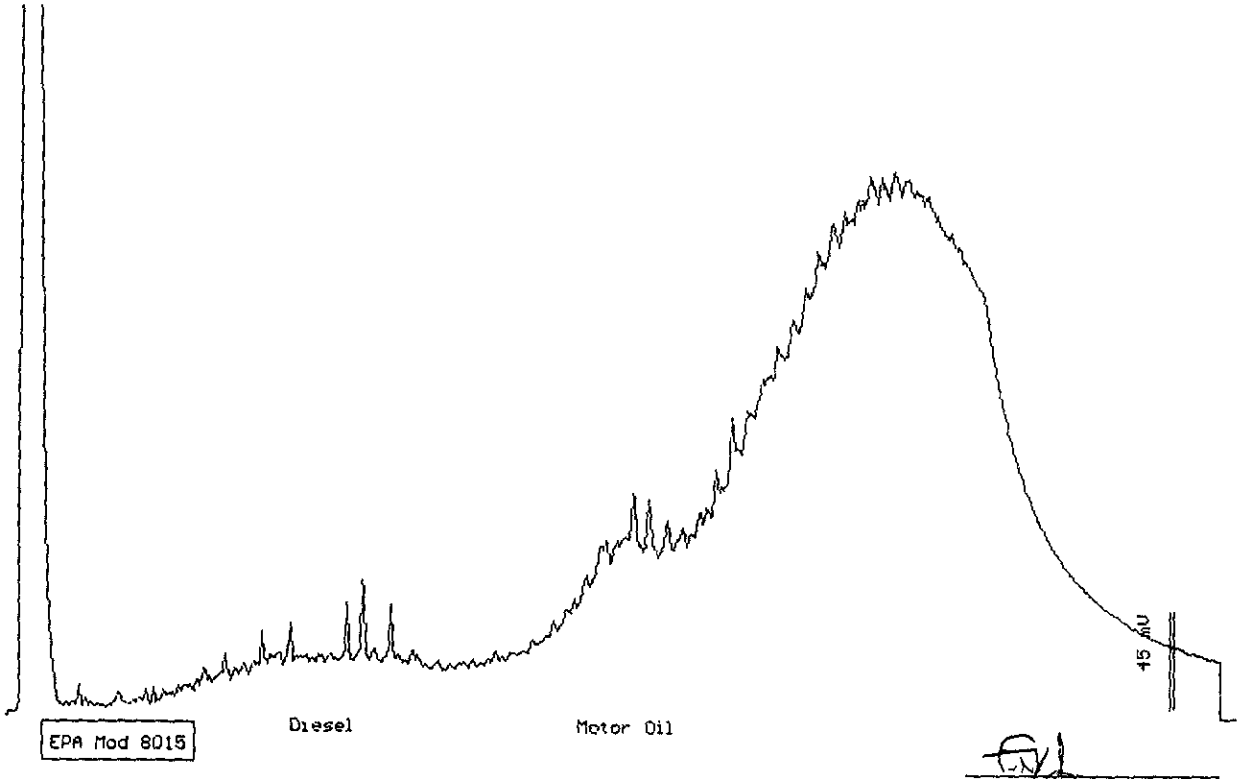
Sample Log 19887
19887-01

Sample: G9245 (1)

From : Terrasearch
Sampled : 04/14/99
Extracted: 04/14/99
Dilution : 1:5
Matrix : Soil

QC Batch : DS990402
Run Log : 7435C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(5.0)	200



Date: 04-15-99 Time: 12:13:08
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

Acculabs Inc.
Davis
1046 Olive Drive, Davis CA 95616 ▪ 530-757-0920 ▪ Fax 753-6091

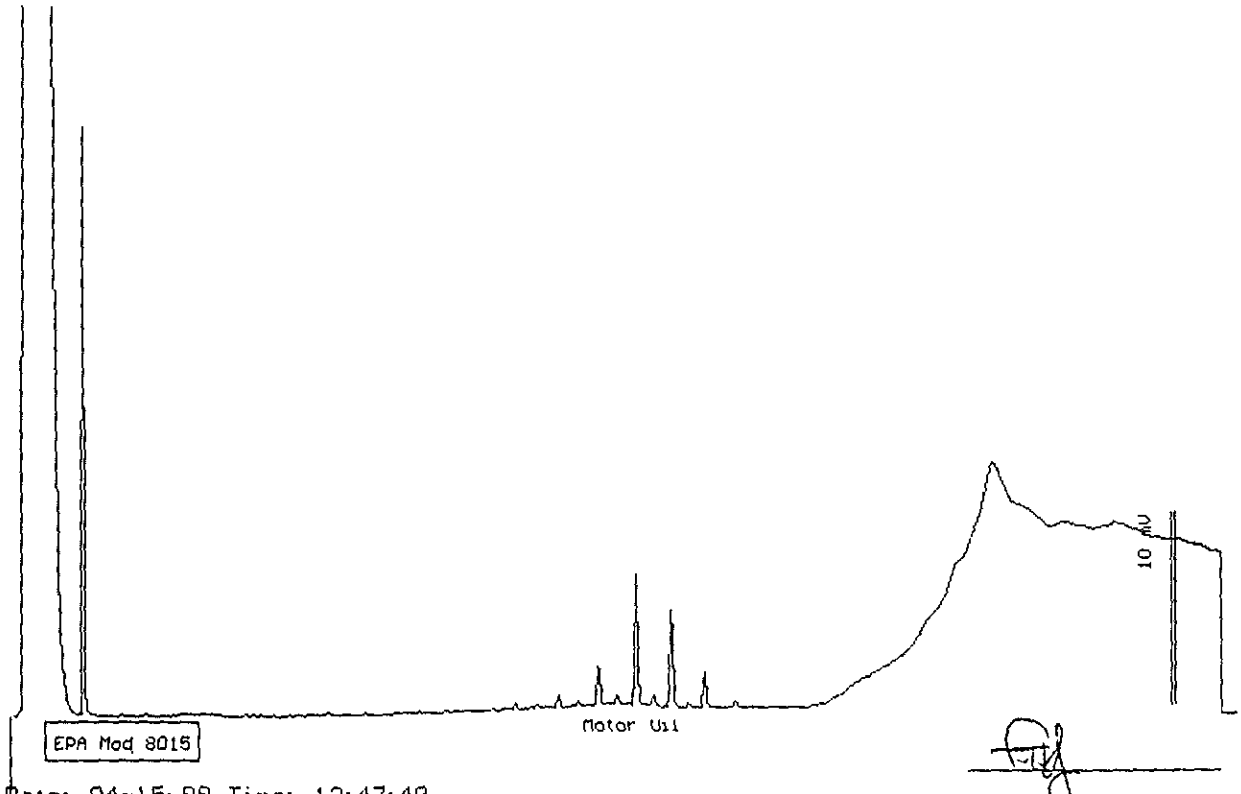
Sample Log 19887
19887-02

Sample: G9246 (2)

From : Terrasearch
Sampled : 04/14/99
Extracted: 04/14/99
Dilution : 1:1
Matrix : Soil

QC Batch : DS990402
Run Log : 7435C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	<1.0



Date: 04-15-99 Time: 12:47:48
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

Acculabs Inc.
Davis
1046 Olive Drive, Davis CA 95616 ▪ 530-757-0920 ▪ Fax 753-6091

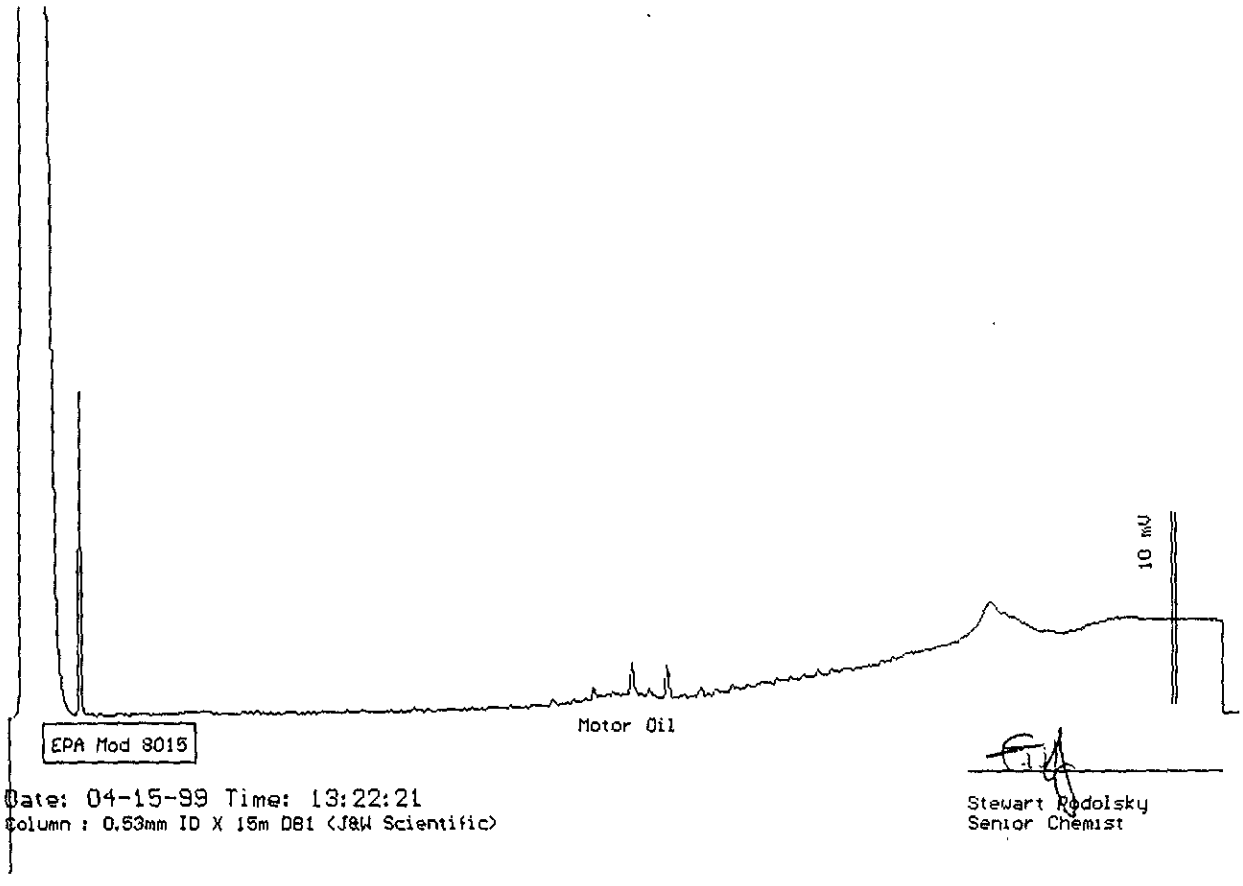
Sample Log 19887
19887-03

Sample: G9247 (3)

From : Terrasearch
Sampled : 04/14/99
Extracted: 04/14/99
Dilution : 1:1
Matrix : Soil

QC Batch : DS990402
Run Log : 7435C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	<1.0



Acculabs Inc.
Davis
1046 Olive Drive, Davis CA 95616 ▪ 530-757-0920 ▪ Fax 753-6091

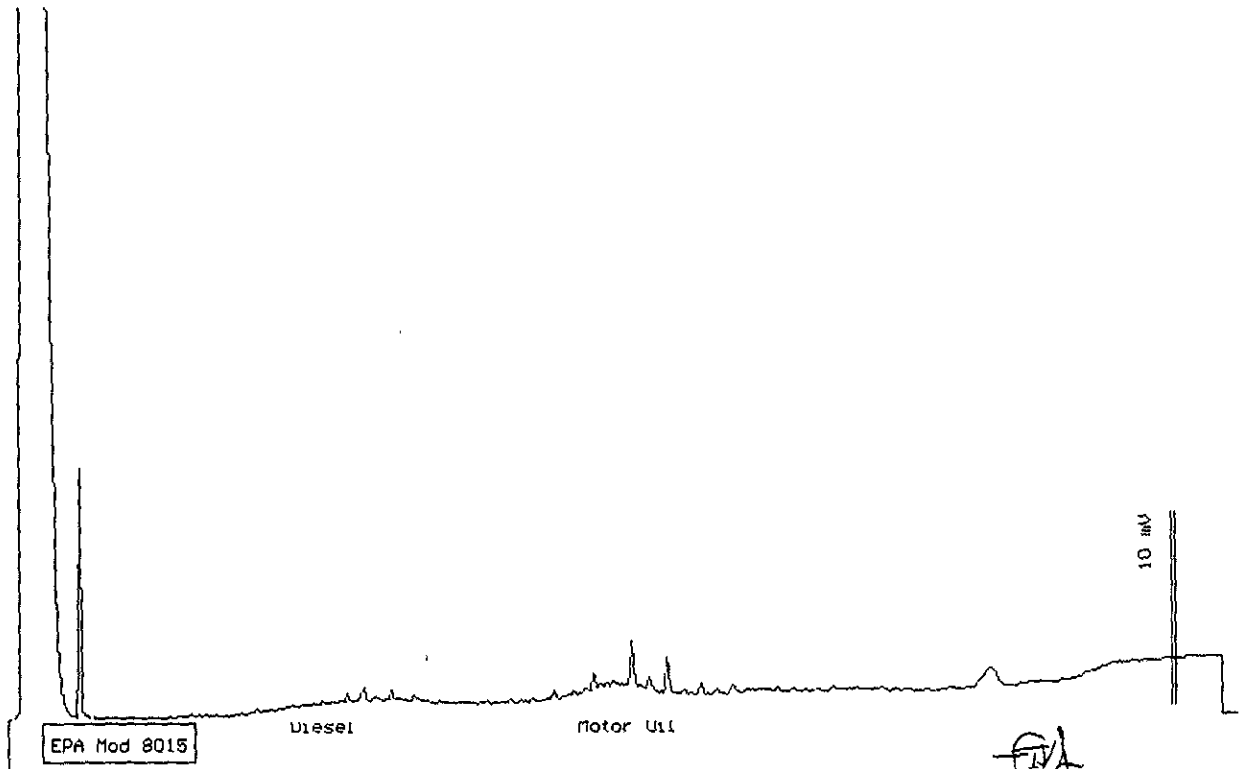
Sample Log 19887
19887-04

Sample: G9248 (4)

From : Terrasearch
Sampled : 04/14/99
Extracted: 04/14/99
Dilution : 1:1
Matrix : Soil

QC Batch : DS990402
Run Log : 7435C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	1.3



Date: 04-15-99 Time: 13:57:05
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

Acculabs Inc.
Davis
1046 Olive Drive, Davis CA 95616 ▪ 530-757-0920 ▪ Fax 753-6091

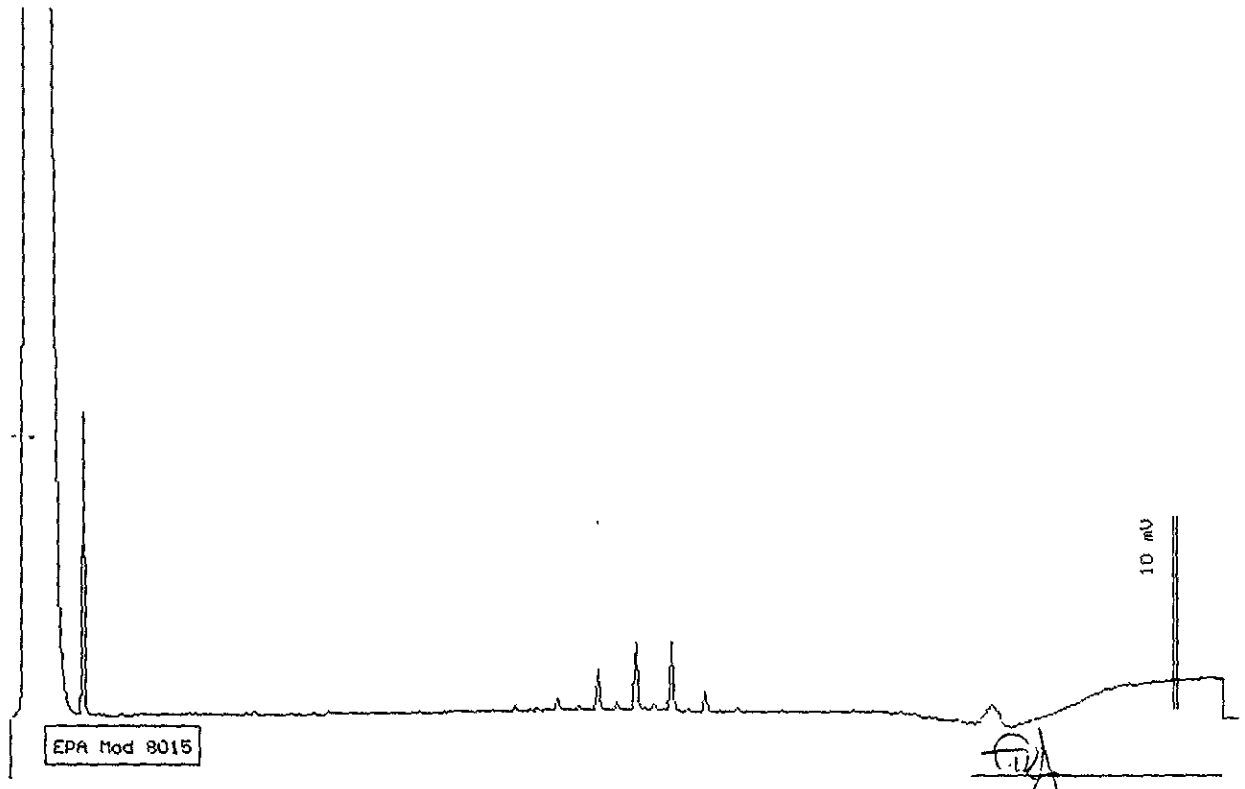
Sample Log 19887
19887-05

Sample: G9249 (5)

From : Terrasearch
Sampled : 04/14/99
Extracted: 04/14/99
Dilution : 1:1
Matrix : Soil

QC Batch : DS990402
Run Log : 7435C

Parameter	(MRL) mg/kg	Measured Value mg/kg
TPH as Diesel	(1.0)	<1.0



Date: 04-15-99 Time: 14:32:02
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

Stewart Podolsky
Senior Chemist

April 19, 1999

Acculabs Inc.

QC Report
TPH Diesel by 8015 Mod

QC Batch: DS990402

Matrix: Soil

Spike and Spike Duplicate Results

Parameter	Matrix Spike (%Rec)	Matrix Spike Dup. (%Rec)	RPD %
TPH as Diesel	101	106	5

Laboratory Control Spike

Parameter	Laboratory Control Spike (%Rec)
TPH as Diesel	106

Method Blank

Parameter	MDL(mg/Kg)	Measured Value(mg/Kg)
TPH as Diesel	(1.0)	<1.0
TPH as Motor Oil	(10.0)	<10.0

Tom Kwpka
Lab Director

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank	34938-001											
Client Sample I.D.:	--	G9245(1)											
Date Sampled:	--	04/14/99											
QC Batch #:	S998270W087	S998270W087											
Date Extracted:	04/15/99	04/15/99											
Date Analyzed:	04/15/99	04/15/99											
Analyst Initials:	ZL	ZL											
Dilution Factor:	1	5 (*)											

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND	1700	ND								
bis (2-Chloroethyl)ether	330	330	ND	1700	ND								
2-Chlorophenol	330	330	ND	1700	ND								
1,3-Dichlorobenzene	330	330	ND	1700	ND								
1,4-Dichlorobenzene	330	330	ND	1700	ND								
Benzyl Alcohol	660	660	ND	3300	ND								
1,2-Dichlorobenzene	330	330	ND	1700	ND								
2-Methylphenol	330	330	ND	1700	ND								
bis(2-chloroisopropyl)ether	330	330	ND	1700	ND								
n-Nitroso-di-n-propylamine	330	330	ND	1700	ND								
4-Methylphenol	330	330	ND	1700	ND								
Hexachloroethane	330	330	ND	1700	ND								
Nitrobenzene	330	330	ND	1700	ND								
Isophorone	330	330	ND	1700	ND								
2-Nitrophenol	330	330	ND	1700	ND								
2,4-Dimethylphenol	330	330	ND	1700	ND								
bis(2-Chloroethoxy)methane	330	330	ND	1700	ND								
2,4-Dichlorophenol	1700	1700	ND	8500	ND								
Benzoic Acid	1700	1700	ND	8500	ND								
1,2,4-Trichlorobenzene	330	330	ND	1700	ND								
Naphthalene	330	330	ND	1700	ND								
4-Chloroaniline	660	660	ND	3300	ND								
Hexachlorobutadiene	330	330	ND	1700	ND								
4-Chloro-3-methylphenol	660	660	ND	3300	ND								
2-Methylnaphthalene	330	330	ND	1700	ND								
Hexachlorocyclopentadiene	660	660	ND	3300	ND								
2,4,6-Trichlorophenol	330	330	ND	1700	ND								
2,4,5-Trichlorophenol	330	330	ND	1700	ND								
2-Chloronaphthalene	330	330	ND	1700	ND								
2-Nitroaniline	1700	1700	ND	8500	ND								
Dimethylphthalate	330	330	ND	1700	ND								
Acenaphthylene	330	330	ND	1700	ND								
2,6-Dinitrotoluene	330	330	ND	1700	ND								
3-Nitroaniline	1700	1700	ND	8500	ND								

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(*) - Sample required a 1:5 dilution.
The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	Method Blank			34938-001									
Client Sample I.D.:	---			G9245(1)									
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND	1700	ND								
2,4-Dinitrophenol	1700	1700	ND	8500	ND								
Dibenzofuran	330	330	ND	1700	ND								
4-Nitrophenol	1700	1700	ND	8500	ND								
2,4-Dinitrotoluene	330	330	ND	1700	ND								
Fluorene	330	330	ND	1700	ND								
Diethylphthalate	330	330	ND	1700	ND								
4-Chlorophenyl-phenyl ether	330	330	ND	1700	ND								
4-Nitroaniline	1700	1700	ND	8500	ND								
4,6-Dinitro-2-methylphenol	1700	1700	ND	8500	ND								
n-Nitrosodiphenylamine	330	330	ND	1700	ND								
4-Bromophenyl-phenyl ether	330	330	ND	1700	ND								
Hexachlorobenzene	330	330	ND	1700	ND								
Pentachlorophenol	1700	1700	ND	8500	ND								
Phenanthrene	330	330	ND	1700	ND								
Anthracene	330	330	ND	1700	ND								
Di-n-butylphthalate	330	330	ND	1700	ND								
Fluoranthene	330	330	ND	1700	ND								
Pyrene	330	330	ND	1700	ND								
Butylbenzylphthalate	330	330	ND	1700	ND								
Benzo[a]anthracene	660	660	ND	3300	ND								
3,3'-Dichlorobenzidine	330	330	ND	1700	ND								
Chrysene	330	330	ND	1700	ND								
bis(2-Ethylhexyl)phthalate	330	330	ND	1700	ND								
Di-n-octylphthalate	330	330	ND	1700	ND								
Benzo[b]fluoranthene	330	330	ND	1700	ND								
Benzo[k]fluoranthene	330	330	ND	1700	ND								
Benzo[a]pyrene	330	330	ND	1700	ND								
Indeno[1,2,3-cd]pyrene	330	330	ND	1700	ND								
Dibenz[a,h,]anthracene	330	330	ND	1700	ND								
Benzo[g,h,i]perylene	330	330	ND	1700	ND								

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(*) - Sample required a 1:5 dilution

Approved/Reviewed By: _____ Date: 4/15/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	34938-002													
Client Sample I.D.:	G9246(2)													
Date Sampled:	04/14/99													
QC Batch #:	S998270W087													
Date Extracted:	04/15/99													
Date Analyzed:	04/15/99													
Analyst Initials:	ZL													
Dilution Factor:	1													

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND												
bis (2-Chloroethyl)ether	330	330	ND												
2-Chlorophenol	330	330	ND												
1,3-Dichlorobenzene	330	330	ND												
1,4-Dichlorobenzene	330	330	ND												
Benzyl Alcohol	660	660	ND												
1,2-Dichlorobenzene	330	330	ND												
2-Methylphenol	330	330	ND												
bis(2-chloroisopropyl)ether	330	330	ND												
n-Nitroso-di-n-propylamine	330	330	ND												
4-Methylphenol	330	330	ND												
Hexachloroethane	330	330	ND												
Nitrobenzene	330	330	ND												
Isophorone	330	330	ND												
2-Nitrophenol	330	330	ND												
2,4-Dimethylphenol	330	330	ND												
bis(2-Chloroethoxy)methane	330	330	ND												
2,4-Dichlorophenol	1700	1700	ND												
Benzoic Acid	1700	1700	ND												
1,2,4-Trichlorobenzene	330	330	ND												
Naphthalene	330	330	ND												
4-Chloroaniline	660	660	ND												
Hexachlorobutadiene	330	330	ND												
4-Chloro-3-methylphenol	660	660	ND												
2-Methylnaphthalene	330	330	ND												
Hexachlorocyclopentadiene	660	660	ND												
2,4,6-Trichlorophenol	330	330	ND												
2,4,5-Trichlorophenol	330	330	ND												
2-Chloronaphthalene	330	330	ND												
2-Nitroaniline	1700	1700	ND												
Dimethylphthalate	330	330	ND												
Acenaphthylene	330	330	ND												
2,6-Dinitrotoluene	330	330	ND												
3-Nitroaniline	1700	1700	ND												

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:		34938-002												
Client Sample I.D.:		G9246(2)												
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	
Acenaphthene	330	330	ND											
2,4-Dinitrophenol	1700	1700	ND											
Dibenzofuran	330	330	ND											
4-Nitrophenol	1700	1700	ND											
2,4-Dinitrotoluene	330	330	ND											
Fluorene	330	330	ND											
Diethylphthalate	330	330	ND											
4-Chlorophenyl-phenyl ether	330	330	ND											
4-Nitroaniline	1700	1700	ND											
4,6-Dinitro-2-methylphenol	1700	1700	ND											
n-Nitrosodiphenylamine	330	330	ND											
4-Bromophenyl-phenyl ether	330	330	ND											
Hexachlorobenzene	330	330	ND											
Pentachlorophenol	1700	1700	ND											
Phenanthrene	330	330	ND											
Anthracene	330	330	ND											
Di-n-butylphthalate	330	330	ND											
Fluoranthene	330	330	ND											
Pyrene	330	330	ND											
Butylbenzylphthalate	330	330	ND											
Benzo[a]anthracene	330	330	ND											
3,3'-Dichlorobenzidine	660	660	ND											
Chrysene	330	330	ND											
bis(2-Ethylhexyl)phthalate	330	330	ND											
Di-n-octylphthalate	330	330	ND											
Benzo[b]fluoranthene	330	330	ND											
Benzo[k]fluoranthene	330	330	ND											
Benzo[a]pyrene	330	330	ND											
Indeno[1,2,3-cd]pyrene	330	330	ND											
Dibenz[a,h,]anthracene	330	330	ND											
Benzo[g,h,i]perylene	330	330	ND											

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 4/15/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	34938-003											
Client Sample I.D.:	G9247(3)											
Date Sampled:	04/14/99											
QC Batch #:	S998270W087											
Date Extracted:	04/15/99											
Date Analyzed:	04/15/99											
Analyst Initials:	ZL											
Dilution Factor:	1											

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND										
bis (2-Chloroethyl)ether	330	330	ND										
2-Chlorophenol	330	330	ND										
1,3-Dichlorobenzene	330	330	ND										
1,4-Dichlorobenzene	330	330	ND										
Benzyl Alcohol	660	660	ND										
1,2-Dichlorobenzene	330	330	ND										
2-Methylphenol	330	330	ND										
bis(2-chloroisopropyl)ether	330	330	ND										
n-Nitroso-di-n-propylamine	330	330	ND										
4-Methylphenol	330	330	ND										
Hexachloroethane	330	330	ND										
Nitrobenzene	330	330	ND										
Isophorone	330	330	ND										
2-Nitrophenol	330	330	ND										
2,4-Dimethylphenol	330	330	ND										
bis(2-Chloroethoxy)methane	330	330	ND										
2,4-Dichlorophenol	1700	1700	ND										
Benzoic Acid	1700	1700	ND										
1,2,4-Trichlorobenzene	330	330	ND										
Naphthalene	330	330	ND										
4-Chloroaniline	660	660	ND										
Hexachlorobutadiene	330	330	ND										
4-Chloro-3-methylphenol	660	660	ND										
2-Methylnaphthalene	330	330	ND										
Hexachlorocyclopentadiene	660	660	ND										
2,4,6-Trichlorophenol	330	330	ND										
2,4,5-Trichlorophenol	330	330	ND										
2-Chloronaphthalene	330	330	ND										
2-Nitroaniline	1700	1700	ND										
Dimethylphthalate	330	330	ND										
Acenaphthylene	330	330	ND										
2,6-Dinitrotoluene	330	330	ND										
3-Nitroaniline	1700	1700	ND										

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:			34938-003													
Client Sample I.D.:			G9247(3)													
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	
Acenaphthene	330	330	ND													
2,4-Dinitrophenol	1700	1700	ND													
Dibenzofuran	330	330	ND													
4-Nitrophenol	1700	1700	ND													
2,4-Dinitrotoluene	330	330	ND													
Fluorene	330	330	ND													
Diethylphthalate	330	330	ND													
4-Chlorophenyl-phenyl ether	330	330	ND													
4-Nitroaniline	1700	1700	ND													
4,6-Dinitro-2-methylphenol	1700	1700	ND													
n-Nitrosodiphenylamine	330	330	ND													
4-Bromophenyl-phenyl ether	330	330	ND													
Hexachlorobenzene	330	330	ND													
Pentachlorophenol	1700	1700	ND													
Phenanthrene	330	330	ND													
Anthracene	330	330	ND													
Di-n-butylphthalate	330	330	ND													
Fluoranthene	330	330	ND													
Pyrene	330	330	ND													
Butylbenzylphthalate	330	330	ND													
Benzo[a]anthracene	330	330	ND													
3,3'-Dichlorobenzidine	660	660	ND													
Chrysene	330	330	ND													
bis(2-Ethylhexyl)phthalate	330	330	ND													
Di-n-octylphthalate	330	330	ND													
Benzo[b]fluoranthene	330	330	ND													
Benzo[k]fluoranthene	330	330	ND													
Benzo[a]pyrene	330	330	ND													
Indeno[1,2,3-cd]pyrene	330	330	ND													
Dibenz[a,h,]anthracene	330	330	ND													
Benzo(g,h,i)perylene	330	330	ND													

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 4/15/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	34938-004															
Client Sample I.D.:	G9248(4)															
Date Sampled:	04/14/99															
QC Batch #:	S998270W087															
Date Extracted:	04/15/99															
Date Analyzed:	04/15/99															
Analyst Initials:	ZL															
Dilution Factor:	1															

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND												
bis (2-Chloroethyl)ether	330	330	ND												
2-Chlorophenol	330	330	ND												
1,3-Dichlorobenzene	330	330	ND												
1,4-Dichlorobenzene	330	330	ND												
Benzyl Alcohol	660	660	ND												
1,2-Dichlorobenzene	330	330	ND												
2-Methylphenol	330	330	ND												
bis(2-chloroisopropyl)ether	330	330	ND												
n-Nitroso-di-n-propylamine	330	330	ND												
4-Methylphenol	330	330	ND												
Hexachloroethane	330	330	ND												
Nitrobenzene	330	330	ND												
Isophorone	330	330	ND												
2-Nitrophenol	330	330	ND												
2,4-Dimethylphenol	330	330	ND												
bis(2-Chloroethoxy)methane	330	330	ND												
2,4-Dichlorophenol	1700	1700	ND												
Benzoic Acid	1700	1700	ND												
1,2,4-Trichlorobenzene	330	330	ND												
Naphthalene	330	330	ND												
4-Chloroaniline	660	660	ND												
Hexachlorobutadiene	330	330	ND												
4-Chloro-3-methylphenol	660	660	ND												
2-Methylnaphthalene	330	330	ND												
Hexachlorocyclopentadiene	660	660	ND												
2,4,6-Trichlorophenol	330	330	ND												
2,4,5-Trichlorophenol	330	330	ND												
2-Chloronaphthalene	330	330	ND												
2-Nitroaniline	1700	1700	ND												
Dimethylphthalate	330	330	ND												
Acenaphthylene	330	330	ND												
2,6-Dinitrotoluene	330	330	ND												
3-Nitroaniline	1700	1700	ND												

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:			34938-004													
Client Sample I.D.:			G9248(4)													
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	
Acenaphthene	330	330	ND													
2,4-Dinitrophenol	1700	1700	ND													
Dibenzofuran	330	330	ND													
4-Nitrophenol	1700	1700	ND													
2,4-Dinitrotoluene	330	330	ND													
Fluorene	330	330	ND													
Diethylphthalate	330	330	ND													
4-Chlorophenyl-phenyl ether	330	330	ND													
4-Nitroaniline	1700	1700	ND													
4,6-Dinitro-2-methylphenol	1700	1700	ND													
n-Nitrosodiphenylamine	330	330	ND													
4-Bromophenyl-phenyl ether	330	330	ND													
Hexachlorobenzene	330	330	ND													
Pentachlorophenol	1700	1700	ND													
Phenanthrene	330	330	ND													
Anthracene	330	330	ND													
Di-n-butylphthalate	330	330	ND													
Fluoranthene	330	330	ND													
Pyrene	330	330	ND													
Butylbenzylphthalate	330	330	ND													
Benzo[a]anthracene	330	330	ND													
3,3'-Dichlorobenzidine	660	660	ND													
Chrysene	330	330	ND													
bis(2-Ethylhexyl)phthalate	330	330	ND													
Di-n-octylphthalate	330	330	ND													
Benzo[b]fluoranthene	330	330	ND													
Benzo[k]fluoranthene	330	330	ND													
Benzo[a]pyrene	330	330	ND													
Indeno[1,2,3-cd]pyrene	330	330	ND													
Dibenz[a,h,]anthracene	330	330	ND													
Benzo[g,h,i]perylene	330	330	ND													

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 4/15/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:	34938-005													
Client Sample I.D.:	G9249(5)													
Date Sampled:	04/14/99													
QC Batch #:	S998270W087													
Date Extracted:	04/15/99													
Date Analyzed:	04/15/99													
Analyst Initials:	ZL													
Dilution Factor:	1													
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	330	330	ND												
bis (2-Chloroethyl)ether	330	330	ND												
2-Chlorophenol	330	330	ND												
1,3-Dichlorobenzene	330	330	ND												
1,4-Dichlorobenzene	330	330	ND												
Benzyl Alcohol	660	660	ND												
1,2-Dichlorobenzene	330	330	ND												
2-Methylphenol	330	330	ND												
bis(2-chloroisopropyl)ether	330	330	ND												
n-Nitroso-di-n-propylamine	330	330	ND												
4-Methylphenol	330	330	ND												
Hexachloroethane	330	330	ND												
Nitrobenzene	330	330	ND												
Isophorone	330	330	ND												
2-Nitrophenol	330	330	ND												
2,4-Dimethylphenol	330	330	ND												
bis(2-Chloroethoxy)methane	330	330	ND												
2,4-Dichlorophenol	1700	1700	ND												
Benzoic Acid	1700	1700	ND												
1,2,4-Trichlorobenzene	330	330	ND												
Naphthalene	330	330	ND												
4-Chloroaniline	660	660	ND												
Hexachlorobutadiene	330	330	ND												
4-Chloro-3-methylphenol	660	660	ND												
2-Methylnaphthalene	330	330	ND												
Hexachlorocyclopentadiene	660	660	ND												
2,4,6-Trichlorophenol	330	330	ND												
2,4,5-Trichlorophenol	330	330	ND												
2-Chloronaphthalene	330	330	ND												
2-Nitroaniline	1700	1700	ND												
Dimethylphthalate	330	330	ND												
Acenaphthylene	330	330	ND												
2,6-Dinitrotoluene	330	330	ND												
3-Nitroaniline	1700	1700	ND												

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:	34938-006
Client Sample I.D.:	G9250(W-1)
Date Sampled:	04/14/99
QC Batch #:	S998270W087
Date Extracted:	04/15/99
Date Analyzed:	04/15/99
Analyst Initials:	ZL
Dilution Factor:	5

ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Phenol	10	50	ND										
bis (2-Chloroethyl)ether	10	50	ND										
2-Chlorophenol	10	50	ND										
1,3-Dichlorobenzene	10	50	ND										
1,4-Dichlorobenzene	10	50	ND										
Benzyl Alcohol	10	50	ND										
1,2-Dichlorobenzene	10	50	ND										
2-Methylphenol	10	50	ND										
bis(2-chloroisopropyl)ether	10	50	ND										
n-Nitroso-di-n-propylamine	10	50	ND										
4-Methylphenol	10	50	ND										
Hexachloroethane	10	50	ND										
Nitrobenzene	10	50	ND										
Isophorone	10	50	ND										
2-Nitrophenol	10	50	ND										
2,4-Dimethylphenol	10	50	ND										
bis(2-Chloroethoxy)methane	10	50	ND										
2,4-Dichlorophenol	10	50	ND										
Benzoic Acid	50	250	ND										
1,2,4-Trichlorobenzene	10	50	ND										
Naphthalene	10	50	ND										
4-Chloroaniline	10	50	ND										
Hexachlorobutadiene	10	50	ND										
4-Chloro-3-methylphenol	10	50	ND										
2-Methylnaphthalene	10	50	ND										
Hexachlorocyclopentadiene	10	50	ND										
2,4,6-Trichlorophenol	10	50	ND										
2,4,5-Trichlorophenol	10	50	ND										
2-Chloronaphthalene	10	50	ND										
2-Nitroaniline	10	50	ND										
Dimethylphthalate	10	50	ND										
Acenaphthylene	10	50	ND										
2,6-Dinitrotoluene	10	50	ND										
3-Nitroaniline	10	50	ND										

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(*) - Sample required a 1:5 dilution.

The cover letter is an integral part of this analytical report.

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Water
Units: µg/l
Extraction Method: 3510C

EPA Method 8270C

Lab No.:			34938-006									
Client Sample I.D.:			G9250(W-1)									
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	10	50	ND										
2,4-Dinitrophenol	20	100	ND										
Dibenzofuran	10	50	ND										
4-Nitrophenol	20	100	ND										
2,4-Dinitrotoluene	10	50	ND										
Fluorene	10	50	ND										
Diethylphthalate	10	50	ND										
4-Chlorophenyl-phenyl ether	10	50	ND										
4-Nitroaniline	10	50	ND										
4,6-Dinitro-2-methylphenol	20	100	ND										
n-Nitrosodiphenylamine	10	50	ND										
4-Bromophenyl-phenyl ether	10	50	ND										
Hexachlorobenzene	10	50	ND										
Pentachlorophenol	20	100	ND										
Phenanthrene	10	50	ND										
Anthracene	10	50	ND										
Di-n-butylphthalate	10	50	ND										
Fluoranthene	10	50	ND										
Pyrene	10	50	ND										
Butylbenzylphthalate	10	50	ND										
Benzo[a]anthracene	10	50	ND										
3,3'-Dichlorobenzidine	20	100	ND										
Chrysene	10	50	ND										
bis(2-Ethylhexyl)phthalate	10	50	ND										
Di-n-octylphthalate	10	50	ND										
Benzo[b]fluoranthene	10	50	ND										
Benzo[k]fluoranthene	10	50	ND										
Benzo[a]pyrene	10	50	ND										
Indeno[1,2,3-cd]pyrene	10	50	ND										
Dibenz[a,h,]anthracene	10	50	ND										
Benzo[g,h,i]perylene	10	50	ND										

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed
(*) - Sample required a 1:5 dilution.

Approved/Reviewed By: _____ Date: _____
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\I990413.M (RTE Integrator)
Title : M8015GAS(Calibrated on 3/15/99)/ 8020(BTEX)
Last Update : Tue Apr 13 15:08:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 34789-61.D

	Spike Sample	Spike Duplicate Sample
File ID :	IMS0415A.D	IMD0415A.D
Sample :	i9980g20S115	i9980g20S115
Acq Time:	15 Apr 1999 8:45 pm	15 Apr 1999 9:09 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline (mg/kg)	0.0	3	3	3	113	110	3	21	41-151
Benzene #2 (ug/kg)	0.0	12	15	15	123	122	1	15	42-132
Toluene #2 (ug/kg)	0.2	156	195	190	125	122	3	15	42-132

QC BATCH #: I998G20S114

Reviewed and Approved by: _____ Date 4/21/99
Lee Ingvaldson,
Organics Supervisor

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\I990413.M (RTE Integrator)
Title : M8015GAS(Calibrated on 3/15/99)/ 8020(BTEX)
Last Update : Tue Apr 13 15:08:15 1999
Response via : Initial Calibration

Non-Spiked Sample: 34789-61.D

	Spike Sample	Spike Duplicate Sample
File ID :	IMS0415A.D	IMD0415A.D
Sample :	i9980g20S115	i9980g20S115
Acq Time:	15 Apr 1999 8:45 pm	15 Apr 1999 9:09 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline (mg/kg)	0.0	3	3	3	113	110	3	21	41-151
Benzene #2 (ug/kg)	0.0	12	15	15	123	122	1	15	42-132
Toluene #2 (ug/kg)	0.2	156	195	190	125	122	3	15	42-132

QC BATCH #: I998G20S114

Reviewed and Approved by: _____ Date 4/27/99
Lee Ingvaldson,
Organics Supervisor

Spike Recovery and RPD Summary Report - Oil (mg/Kg)

Method : D:\HPCHEM\1\METHODS\8270A.M (RTE Integrator)
Title : EPA 8270C Advanced Technology Laboratory
Last Update : Mon Apr 05 16:33:19 1999
Response via : Initial Calibration

Non-Spiked Sample: SB0415B.D

	Spike Sample	Spike Duplicate Sample
File ID :	SMS0415A.D	SMD0415A.D
Sample :	MS BLANK e:04/15/99 S086 OIL	MS BLANK e:04/15/99 S086 OIL
Acq Time:	15 Apr 1999 7:37 pm	15 Apr 1999 8:13 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	43	43	22	21	2	21	12- 78
2-Chlorophenol	0.0	200	109	108	54	54	1	24	30- 91
1,4-Dichlorobenzene	0.0	100	57	57	57	57	0	18	36- 87
N-Nitroso-di-n-propy	0.0	100	71	70	70	70	1	21	31-114
1,2,4-Trichlorobenze	0.0	100	65	64	65	64	2	18	38-100
4-Chloro-3-methylphe	0.0	200	139	136	69	68	2	16	35-102
Acenaphthene	0.0	100	68	67	68	67	2	17	46- 94
4-Nitrophenol	0.0	200	25	26	12	13	5	58	10- 91
2,4-Dinitrotoluene	0.0	100	64	62	64	62	4	20	42-115
Pentachlorophenol	0.0	200	183	171	92	86	7	51	8-125
Pyrene	0.0	100	78	76	77	76	2	16	36-114

QC Batch # S998270S086

Reviewed/Approved By: _____ Date: 4/27/99
Lee Ingvaldson
Department Supervisor

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Subcontract Chain of Custody

SAME DAY RUSH

Subcontract Lab: ATL		Date Sent: 04/14/99	Project Name: Terrasearch		Due Date: 04/15/99	
Sample ID and Source	Matrix	Required Analysis	Date Taken	Time Taken	Containers	Pres?
G9245 (1)	Soil	Gas, BTEX, 8270	4/14/99		4 oz jar	
G9246 (2)	↓	↓	↓		↓	
G9247 (3)						
G9248 (4)						
G9249 (5)	↓	↓	↓		↓	
G9250 (W-1)	W	8270	4/14/99		1x1 Liter Amb	

Relinquished By:	Received By:	Date:	Time:
Mohazo via Cal Overnight		04/14/99	6pm
Relinquished By:	Received By: Dave Galvan	Date: 4-15-99	Time: 0830
Relinquished By:	Received By:	Date:	Time:

Notes: _____

Entech Analytical Labs, Inc.

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Subcontract Chain of Custody

19887 RUSH

Subcontract Lab:		Date Sent:	Project Name:		Due Date:	
Acculabs - Davis		04/14/99	Terrasearch		04/15/99	
Sample ID and Source	Matrix	Required Analysis	Date Taken	Time Taken	Containers	Pres?
01 G9245 (1)	Soil	Gas, BTEX, 8270	4/14/99		4 oz jar	C
02 G9246 (2)	↓	↓	↓		↓	
03 G9247 (3)						
04 G9248 (4)						
05 G9249 (5)						
	Please cancel all test on original Sub-COC. Please run Diesel instead.					
				(VT) 04/14/99		

Relinquished By:	Received By:	Date:	Time:
ngtrago via	W.C. 595 Mike-World Courier	4-14-9	1530
Relinquished By: 595 Mike-World Courier	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

Notes: _____

Client: Entech Analytical Labs, Inc.
Attn: Michelle Anderson

Client's Project: Terrasearch
Date Received: 04/15/99
Matrix: Soil
Units: µg/kg
Extraction Method: 3550B

EPA Method 8270C

Lab No.:			34938-005													
Client Sample I.D.:			G9249(5)													
ANALYTE	MDL	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results	DLR	Results
Acenaphthene	330	330	ND													
2,4-Dinitrophenol	1700	1700	ND													
Dibenzofuran	330	330	ND													
4-Nitrophenol	1700	1700	ND													
2,4-Dinitrotoluene	330	330	ND													
Fluorene	330	330	ND													
Diethylphthalate	330	330	ND													
4-Chlorophenyl-phenyl ether	330	330	ND													
4-Nitroaniline	1700	1700	ND													
4,6-Dinitro-2-methylphenol	1700	1700	ND													
n-Nitrosodiphenylamine	330	330	ND													
4-Bromophenyl-phenyl ether	330	330	ND													
Hexachlorobenzene	330	330	ND													
Pentachlorophenol	1700	1700	ND													
Phenanthrene	330	330	ND													
Anthracene	330	330	ND													
Di-n-butylphthalate	330	330	ND													
Fluoranthene	330	330	ND													
Pyrene	330	330	ND													
Butylbenzylphthalate	330	330	ND													
Benzo[a]anthracene	330	330	ND													
3,3'-Dichlorobenzidine	660	660	ND													
Chrysene	330	330	ND													
bis(2-Ethylhexyl)phthalate	330	330	ND													
Di-n-octylphthalate	330	330	ND													
Benzo[b]fluoranthene	330	330	ND													
Benzo[k]fluoranthene	330	330	ND													
Benzo[a]pyrene	330	330	ND													
Indeno[1,2,3-cd]pyrene	330	330	ND													
Dibenz[a,h,]anthracene	330	330	ND													
Benzo[g,h,i]perylene	330	330	ND													

MDL = Method Detection Limit
ND = Not Detected (Below DLR)
DLR = MDL x Dilution Factor
NA = Not Analyzed

Approved/Reviewed By: _____ Date: 4/15/99
Lee Ingvaldson
Department Supervisor

The cover letter is an integral part of this analytical report.

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Subcontract Chain of Custody

RUSH

Subcontract Lab: Acculabs - Davis		Date Sent: 04/14/99	Project Name: Terrasearch		Due Date: 04/15/99	
Sample ID and Source	Matrix	Required Analysis	Date Taken	Time Taken	Containers	Pres?
G9245 (1)	Soil	Gas, BTEX, 8270	4/14/99		4 Oz jar	
G9246 (2)	↓	↓	↓		↓	
G9247 (3)						
G9248 (4)						
G9249 (5)						

Relinquished By:	Received By:	Date:	Time:
Nghuyen via W.C. 595 Nike World Courier		4-14-99	1530
Relinquished By: 595 Nike World Courier	Received By: Tracy D. Turpin	4-14-99	1900
Relinquished By:	Received By:	Date:	Time:

Notes:

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: ICP
Laboratory Control Spikes

Date Analyzed: 04/15/99

QC Batch #: WM990419
Matrix: Water
Units: mg/L

Quality Control Sample: Blank Spike

PARAMETER	Method #	MB mg/L	SA mg/L	SR mg/L	SP mg/L	SP %R	SPD mg/L	SPD % R	RPD	QC LIMITS %R	QC LIMITS RPD
Antimony	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Arsenic	200.7	<0.005	0.50	ND	0.49	**98**	0.51	**101**	3.2	75- 125	25.0
Barium	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Beryllium	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Cadmium	200.7	<0.005	0.50	ND	0.52	**103**	0.51	**102**	0.6	75- 125	25.0
Chromium	200.7	<0.005	0.50	ND	0.50	**100**	0.50	**100**	0.2	75- 125	25.0
Cobalt	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Copper	200.7	<0.050	0.50	ND	0.49	**99**	0.49	**98**	0.2	75- 125	25.0
Lead	200.7	<0.005	0.50	ND	0.50	**100**	0.51	**102**	1.8	75- 125	25.0
Molybdenum	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Nickel	200.7	<0.005	0.50	ND	0.52	**104**	0.5159	**103**	na	75- 125	25.0
Selenium	200.7	<0.005	0.50	ND	0.50	**100**	0.48	**97**	3.1	75- 125	25.0
Silver	200.7	<0.005	0.50	ND	0.56	**111**	0.55	**111**	0.5	75- 125	25.0
Thallium	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Vanadium	200.7	<0.005	na	na	na	na	na	na	na	75- 125	25.0
Zinc	200.7	<0.005	0.50	ND	0.52	**104**	0.52	**104**	0.2	75- 125	25.0

Definition of Terms:

MB: Method Blank
na: Not analyzed in QC batch
SA: Spike Added
SR: Sample Result
SP: Spike Result
SP (%R) Spike % Recovery
SPD Spike Duplicate Result
SPD (%R) Spike % Recovery

Entech Analytical Labs, Inc.

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QUALITY CONTROL RESULTS SUMMARY

Volatile Organic Compounds

QC Batch #: SGCMS990414
Matrix: Soil
Units: µg/Kg

Date analyzed: 04/14/99
Spiked Sample: Blank Spike

PARAMETER	Method #	SA µg/Kg	SR µg/Kg	SP µg/Kg	**SP %R**	SPD µg/Kg	**SPD %R**	RPD	QC LIMITS RPD	QC LIMITS %R
1,1-Dichloroethene	8240/8260	25	ND	26	**105**	27	**107**	1.5	25	50-150
Methyl-tert-butyl ether	8240/8260	25	ND	25	**100**	26	**103**	3.2	25	50-150
Benzene	8240/8260	25	ND	26	**103**	27	**107**	3.8	25	50-150
Trichloroethene	8240/8260	25	ND	26	**102**	26	**104**	1.9	25	50-150
Toluene	8240/8260	25	ND	25	**100**	26	**104**	3.5	25	50-150
Chlorobenzene	8240/8260	25	ND	26	**105**	27	**108**	3.4	25	50-150

Note: LCS and LCSD results reported for the following Parameter:
All

Definition of Terms:

na: Not Analyzed in QC batch
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike Duplicate % Recovery
NC: Not Calculated

Entech Analytical Labs, Inc.

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Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
Laboratory Control Samples

QC Batch ID: WTRPHIR990401
Matrix: Water
Units: mg/L

Date Analyzed: 04/07/99
Spiked Sample: Blank Spike

PARAMETER	SA mg/L	SR mg/L	SP mg/L	SP PR	SPD mg/L	SPD PR	RPD	QC LIMITS RPD	QC LIMITS PR
TRPH	20	0	20	100	22	110	9.5	25	70-130

Definition of Terms:

RPD: Relative Percent Difference (Duplicate Analyses)
SA: Spike Added
SR: Sample Result
SP: Spike Result
SP (PR): Spike % Recovery
SPD: Spike Duplicate Result
SPD (PR): Spike Duplicate % Recovery

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: ICP

QC Batch #: SM990409
Matrix: Solid
Units: mg/kg

Date Analyzed: 04/15/99
Extraction Method: EPA 3050
Spiked Sample: Blank Spike

PARAMETER	Method #	MB mg/kg	SA mg/kg	SR mg/kg	SP mg/kg	SP %R	SPD mg/Kg	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Antimony	6010	<1.0	50.	na	na	na	na	na	na	25.0	70-100
Arsenic	6010	<1.0	50.	0.0	41.	**81**	43.	**85**	5.3	25.0	64-106
Barium	6010	<1.0	50.	na	na	na	na	na	na	25.0	75-113
Beryllium	6010	<1.0	50.	na	na	na	na	na	na	25.0	70-111
Cadmium	6010	<1.0	50.	0.0	42.	**84**	44.	**87**	3.9	25.0	69-100
Chromium	6010	<1.0	50.	0.0	45.	**91**	47.	**93**	2.7	25.0	67-112
Cobalt	6010	<1.0	50.	na	na	na	na	na	na	25.0	66-110
Copper	6010	<1.0	50.	na	na	na	na	na	na	25.0	73-110
Lead	6010	<1.0	50.	0.0	42.	**85**	43.	**87**	2.2	25.0	63-115
Molybdenum	6010	<1.0	50.	na	na	na	na	na	na	25.0	69-112
Nickel	6010	<1.0	50.	0.0	43.	**85**	44.	**88**	3.0	25.0	73-113
Selenium	6010	<1.0	50.	na	na	na	na	na	na	25.0	65-104
Silver	6010	<1.0	50.	na	na	na	na	na	na	25.0	71-113
Thallium	6010	<1.0	50.	na	na	na	na	na	na	25.0	69-106
Vanadium	6010	<1.0	50.	na	na	na	na	na	na	25.0	67-115
Zinc	6010	<1.0	50.	0.0	43.	**85**	44.	**89**	3.9	25.0	68-105

Note: LCS and LCSD results reported for the following Parameters:
All

Definition of Terms:

na: Not Analyzed in QC batch
MB: Method Blank
SA: Spike Added
SR: Sample Result
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike Duplicate % Recovery

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

QC Batch : STRPHIR990403
Matrix: Soil
Units: mg/Kg

Date Analyzed: 04/15/99
Spiked Sample: Blank Spike

PARAMETER	MB mg/Kg	SA mg/Kg	SR mg/Kg	SP mg/Kg	SP PR	SPD mg/Kg	SPD PR	RPD	QC LIMITS RPD	QC LIMITS PR
TRPH	<25	194.4	ND	199	102%	199	102%	0.20	25	50-150

Definition of Terms:

MB: Method Blank
SA: Spike Added
SR: Sample Result
SP: Matrix Spike Result
SP (PR): Matrix Spike % Recovery
SPD: Matrix Spike Duplicate Result
SPD (PR): Matrix Spike Duplicate % Recovery
RPD: Matrix Spike Recovery % Variance

ADDITIONAL SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT REPORT

at

Existing and Proposed Olympic Avenues
Hayward, California

for

SUMMERHILL HOMES

By

TERRASEARCH, inc

Project No. E7618
May 14, 1999

Environmental • Geotechnical • Special Inspections • Materials Testing

TERRASEARCH inc.

SERVING NORTHERN CALIFORNIA SINCE 1969

GEOTECHNICAL

GEOLOGICAL

ENVIRONMENTAL

SPECIAL INSPECTIONS

MATERIALS TESTING

SAN JOSE:
6840 Via Del Oro
Suite 110
San Jose, CA 95119
(408) 362-4920
Fax: (408) 362-4926

DUBLIN:
11840 Dublin Blvd
Dublin, CA 94568
(925) 833-9297
Fax: (925) 833-9548

ELK GROVE:
8788 Elk Grove Blvd.
Building 3, Suite 14
Elk Grove, CA 95624
(916) 686-2878

FREMONT:
43353-B Osgood Rd.
Fremont, CA 94538
(510) 413-0100
Fax: (510) 413-0101

Project No. E7618
May 14, 1999

Mr. Reyad Katwan
SummerHill Homes
777 California Avenue
Palo Alto, California 94304

Subject: Existing and Proposed Olympic Avenues
Hayward, California
ADDITIONAL SUBSURFACE ENVIRONMENTAL SITE ASSESSMENT REPORT

Dear Mr. Katwan:

In accordance with your authorization, ***TERRASEARCH, inc.*** has prepared this Report for an Additional Subsurface Environmental Site Assessment for the above referenced site.

The following is a copy of the final report, which includes the results and findings of our assessment.

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

Very truly yours,
TERRASEARCH, inc.

Reviewed by:

REGISTERED GEOLOGIST
ROBERT D. CAMPBELL
CERTIFIED ENGINEERING GEOLOGIST
#2069
STATE OF CALIFORNIA

Robert D. Campbell, C.E.G.
Environmental Manager

Chris Winn
Staff Geologist

Copies: 3 to SummerHill Homes

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ADDITIONAL SUBSURFACE
ENVIRONMENTAL SITE ASSESSMENT REPORT
on
Existing and Proposed Olympic Avenues
Hayward, California
for
SummerHill Homes

INTRODUCTION

At the request of SummerHill Homes (SummerHill), ***TERRASEARCH, inc.*** has prepared this report that presents the findings and results of the additional subsurface environmental site assessment to evaluate the presence and/or absence of petroleum and chlorinated hydrocarbons beneath Olympic Avenue and the property immediately south of Olympic Avenue (670 Olympic Avenue). This additional subsurface environmental site assessment was performed as a due-diligence requirement prior to the transfer of the area including and between the current configuration of Olympic Avenue and the proposed Olympic Avenue to a private party.

SITE DESCRIPTION AND BACKGROUND

General

The property is situated on the central-eastern portion of the San Francisco Bay within the greater San Francisco Bay region. The subject area is located approximately one-mile west of the Walpert Ridge (Hayward Hills), and consists of Olympic Avenue and a recently graded site adjacent to and immediately south of Olympic Avenue (670 Olympic Avenue) in Hayward, California (see Figure 1, Site Vicinity Map). The subject area is mixed residential, commercial, and light industrial activities. This additional subsurface environmental site assessment was conducted within the current configuration of Olympic Avenue and the property between Olympic Avenue and proposed Olympic Avenue from Huntwood Drive to Proposed Holyoke Avenue (see Figure 2, Site Plan).

The local topography at the site is approximately 10 feet above mean sea level (msl) and is approximately 500 to 1,200 feet northwest of Alameda Creek. Alameda Creek is a perennial

creek that drains from the Hayward Hills to the San Francisco Bay. Drainage at the site appears to be toward the southwest, along local topography.

Local Geology and Hydrogeology

Based on published materials by Helley et al. (1979), the materials underlying the site consist of medium grained alluvium deposits that are very young (within Holocene Age) deposits that have been deposited in floodplains and in some narrow canyons as valley fills and stream terraces west of the subject site. The medium-grained alluvial deposits consist of unconsolidated, moderately sorted, moderately permeable fine sand, silt, and clayey silt with occasional thin beds of coarse sand. The origin of these younger fluvial deposits are similar to young alluvial fan deposits, but are deposited farther from source. This deposit has a maximum thickness of approximately 12 feet.

The Hayward Fault is approximately 1 mile east of the subject site, and is considered active by the Alquist-Priolo Fault Zones Act (1994). The Hayward Fault is considered a strike-slip fault with right-lateral motion. In addition, the site is within a Seismic Hazard Zone (CDMG, 1997).

Based on this additional subsurface environmental investigation and our previous subsurface environmental investigation (Terrasearch, Inc., March 8, 1998), depth to groundwater ranges from 7.5 to 15 feet bgs. Groundwater flows toward the southeast, based on well data obtained from a close site located on Ruus Lane (approximately 0.37-mile to the southwest).

PREVIOUS ENVIRONMENTAL WORK

TERRASEARCH, inc. performed a Phase I environmental site assessment on the subject site (Terrasearch, Inc., 1997), which recommended that a subsurface environmental investigation be performed. On February 28, 1998, *TERRASEARCH, inc.* performed an initial subsurface environmental investigation at the site, which included drilling four soil borings (B-1 through B-4) within the former auto shops located at 670 Olympic Avenue. The borings were advanced using a direct-push rig to depths ranging from 14 to 25 feet bgs. Soil and groundwater samples were collected from the borings for analysis of petroleum and chlorinated hydrocarbons. In addition, surficial soil samples were collected from the site (north of Olympic Avenue) for analysis for organochloride pesticides and metals arsenic, lead, and mercury. Total petroleum hydrocarbons reported as diesel (TPHd) were detected in soil samples collected from borings B-3 and B-4 at low levels (3.2 to 5.3 milligrams per kilogram [mg/Kg]) and total oil and grease (TOG) was detected in one soil sample from boring B-3 at 130 mg/Kg. Chlorinated hydrocarbons and other petroleum hydrocarbons were not detected in the soil samples analyzed

and no petroleum or chlorinated hydrocarbons were detected in any groundwater "grab" samples collected from borings B-1 through B-4. The detectable petroleum hydrocarbons in soil samples collected from borings B-3 and B-4 corresponded to a black silty clay layer encountered beneath the site at approximately 4 to 7 feet bgs. Low concentrations of organochloride pesticides were detected in a few surficial soil samples (0.0026 mg/Kg to 0.040 mg/Kg), respectively.

The former building at 670 Olympic Avenue was demolished in March through April 1999. No apparent staining was encountered beneath the building pad. However, a concrete underground storage tank (UST) was encountered on the southeastern portion of the site beneath surface and 12-inches of concrete. The UST was determined to contain old motor-oil and was properly abandoned through the City of Hayward Fire Department UST removal permit. Approximately 536 cubic yards of shredded concrete and metal lining (former UST) and over-excavated soil were transported to Forward Landfill under non-hazardous waste manifests on April 14 and 15, 1999. Confirmation soil samples collected from beneath the former UST reported no detectable concentrations of petroleum or chlorinated hydrocarbons, with the exception of low concentrations of Methyl tert-Butyl Ether (MTBE) – at 0.0012 to 0.0023 mg/Kg, respectively. This work and appropriate documentation is summarized in our recent Underground Storage Tank Removal and Closure Report (Terrasearch, Inc., May 7, 1999).

FIELD WORK

Prior to commencement of any field work, Underground Service Alert (USA) was contacted two days before drilling activities were initiated at the subject site to identify any underground utilities beneath Olympic Avenue and graded site south of Olympic Avenue. ***TERRASEARCH, inc.*** contacted the City of Hayward Fire Department (CHFD) to obtain a drilling permit for this project. However, the CHFD said that a drilling permit was not necessary for this project.

Drilling Activities

On May 4, 1999, a ***TERRASEARCH, inc.*** field geologist observed Pacific Drilling of San Jose, California (C57# 749318) advance four borings (B-1 through B-4) beneath the subject site to depths ranging from 10.5 to 11.5 feet bgs using a truck-mounted drilling rig equipped with solid-stem augers. Selected soil samples collected from the borings for retained for description and possible laboratory analysis. The locations of borings B-1 through B-4 are shown on Figure 2. The Logs of Borings B-1 through B-4 are attached to Appendix A.

Drilling Observations

The soil encountered beneath the site generally consisted of 2.5 feet of dark brown sandy silt with gravel (fill) underlain by light grayish brown silty clay with thin layers of fine silty sand to the total depth explored (11.5 feet bgs). The silty clay unit beneath the sub-grade fill was soft to medium stiff in consistency and moist. No obvious staining or petroleum odors were encountered during the drilling of borings B-1 through B-4. Groundwater was encountered under confined conditions within the thinly bedded silty sand layers at approximately 7.5 to 8 feet bgs, which rose to approximately 5 to 7 feet bgs after 20 minutes. A more detailed description of the subsurface materials encountered at the site is shown on Logs of Borings B-5 through B-8 in Appendix A.

Soil Sampling and Description

A ***TERRASEARCH, inc.*** field geologist logged each boring according to the United Soil Classification System (USCS) using both soil cuttings and soil samples collected from the borings. Each sample was visually evaluated in the field for discoloration, soil type and sedimentary characteristics. In addition, obvious petroleum odors were noted from each sample and from the soil cuttings. The ends of soil samples selected for laboratory analysis were covered with Teflon tape, capped with plastic end caps, and immediately placed in a pre-chilled ice-chest that was constantly kept at a temperature of approximately four degrees Celsius for temporary storage before being delivered to the laboratory for analysis.

Groundwater "Grab" Sampling

Once the soil samples were collected from each boring and groundwater was encountered, a disposable bailer was lowered into each boring and the bailer was allowed to fill with groundwater. The bailer was then raised to the surface, and the groundwater was carefully poured into three 40 milliliter VOAs, that were pre-filled with hydrochloric acid, and one liter clean plastic bottles. Each VOA and 1 liter bottle was checked for headspace before being immediately placed into a pre-chilled ice-chest (held at a temperature of approximately 4 degrees Celsius) for temporary storage before being delivered to the laboratory for analysis.

LABORATORY METHODS

Four soil and four sets of groundwater "grab" samples were placed in a pre-chilled ice-chest that was cooled to a temperature of approximately four degrees Celsius and delivered under chain-of-custody records to GeoAnalytical Laboratories, Inc. of Modesto, California, a State-certified hazardous waste testing laboratory (Certification No. 1157) for analysis. Soil and groundwater

"grab" samples were analyzed for the following: total petroleum hydrocarbons reported as gasoline (TPHg) and TPHd using Environmental Protection Agency (EPA) Methods 5030/LUFT, 3550 LUFT and 3510 LUFT; gasoline constituents benzene, toluene, ethyl benzene and total xylenes (BTEX) and MTBE using EPA Methods 8020 and 602; halogenated volatile organics (HVOs) using EPA Method 8010 and 601; and lead using EPA Method 7421. In addition, two soil samples from borings B-5 and B-6 were analyzed for total extractable petroleum hydrocarbons (TEPH) using EPA Method 418.1.

RESULTS OF LABORATORY ANALYSES

Soil Samples

Soil samples collected from borings B-1 through B-4 for analysis (1-6, 2-6, 3-6 and 4-6) reported no detectable concentrations of TPHg (less than 1.0 mg/Kg), BTEX (less than 0.005 mg/Kg), MTBE (less than 10 micrograms per kilogram [µg/Kg]), HVOs (less than 5 µg/Kg), lead (less than 5 mg/Kg) or TOG (less than 50 mg/Kg). TPHd was not detected in soil samples 2-6, 3-6 or 4-6 (less than 1.0 mg/Kg), but was detected at 4.1 mg/Kg in soil sample 1-6. Laboratory analytical results are shown on Table 1, Laboratory Analytical Results of Soil Samples and are attached to Appendix B Laboratory Analytical Reports and Chain-of-Custody Documents.

Groundwater "Grab" Samples

Groundwater "grab" samples collected from borings B-1 through B-4 for analysis reported no detectable concentrations of TPHg (less than 0.05 micrograms per liter [µg/L]), BTEX (less than 0.3 µg/L), HVOs (less than 1.0 µg/L), or lead (less than 0.01 mg/L). TPHd was not detected in groundwater "grab" samples B-2 or B-3 (less than 0.05 µg/L) and MTBE was not detected in samples B-1 or B-2 (less than 1 µg/L), respectively. TPHd was detected in samples B-1 and B-4 (0.13 and 0.08 µg/L) and MTBE was detected in samples B-3 and B-4 (26 and 1.8 µg/L). Laboratory analytical results are shown on Table 2, Laboratory Analytical Results of Groundwater "Grab" Samples and are attached to Appendix B Laboratory Analytical Reports and Chain-of-Custody Documents.

CONCLUSIONS

TERRASEARCH, inc. concludes the following, based on the results of this additional subsurface environmental site assessment:

- TPHd was detected at a low concentration beneath Olympic Avenue (near proposed Holyoke Avenue). Other petroleum and chlorinated hydrocarbons and lead were not detected in other soil samples analyzed.

- The groundwater beneath Olympic Avenue (near proposed Holyoke Avenue and Huntwood Drive) has been impacted by low concentrations of TPHd and MTBE. Other petroleum and chlorinated hydrocarbons and lead were not detected within the groundwater samples.

- The low concentrations of TPHd and MTBE detected in the groundwater samples beneath Olympic Avenue and area between the existing and proposed Olympic Avenue appear to be from an off-site and up-gradient source to the north-northwest. TPHd and MTBE were not detected in groundwater samples collected during the previous initial surface and subsurface environmental assessment (1998). *These very low concentrations of TPHd and MTBE do not appear to pose an adverse environmental risk to the subject site, since the concentrations in both soil and groundwater are less than 100 mg/Kg or 1 mg/L, and no further action is necessary.*

DISTRIBUTION

TERRASEARCH, inc. recommends that copies of this additional subsurface environmental site assessment be submitted to:

Ms. Maduhla Logan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-6504

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was conducted. This assessment was conducted solely for the purpose of evaluating environmental conditions of subsurface soil

and groundwater with respect to potential chemicals associated with petroleum and chlorinated hydrocarbons and lead. No soil engineering or geotechnical implications are stated or should be inferred. Evaluation of the hydrogeologic conditions at the site for the purpose of this assessment was conducted from a limited number of observation points. Subsurface conditions may vary away from the data points available at the site.

REFERENCES

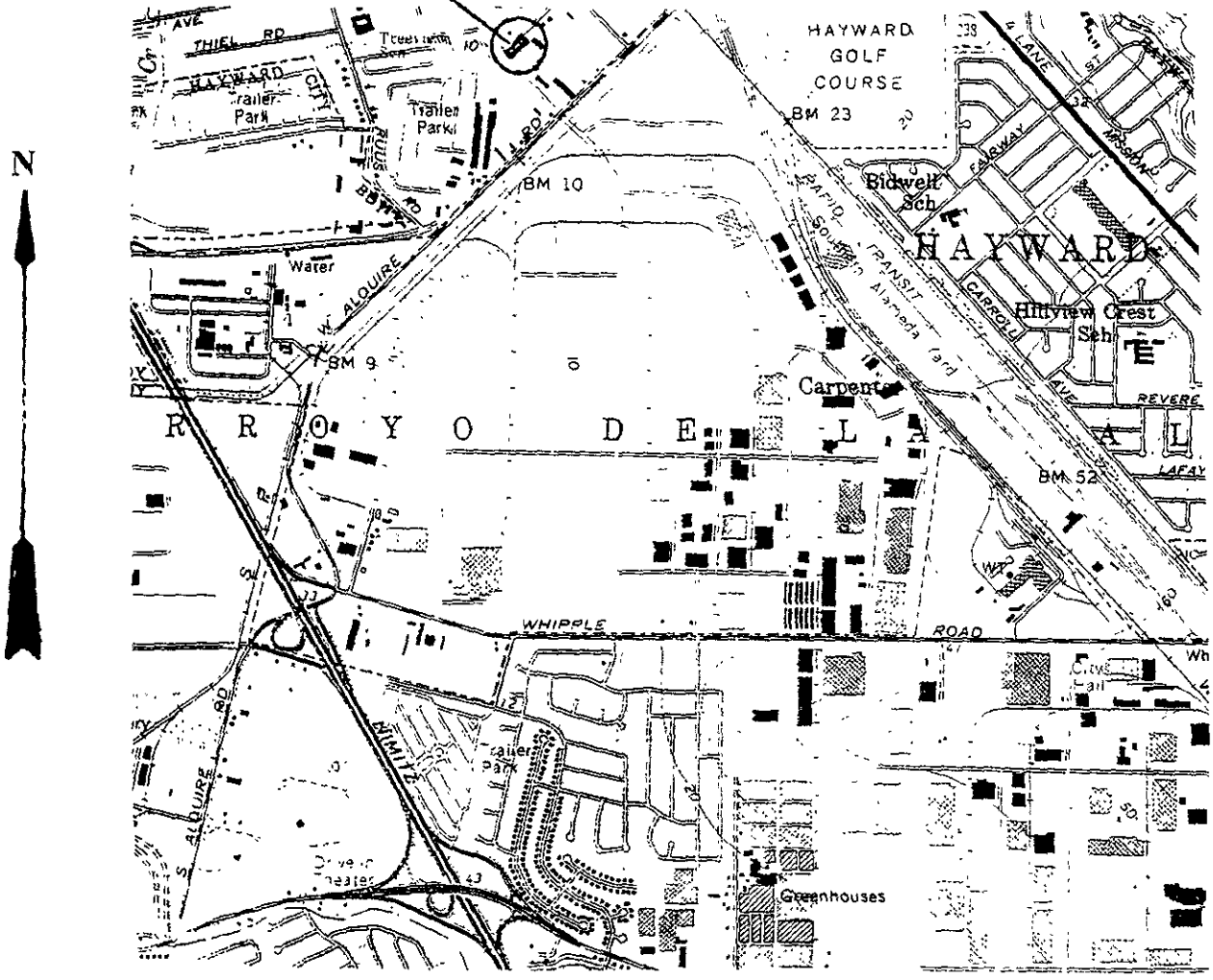
Helley, E.J. and LaJoie, K. R., 1979. *Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning*, U.S.G.S. Geological Professional Paper 943.

Terrasearch, Inc., October 24, 1997. *Phase I Environmental Site Assessment at Selected Properties on Olympic and Taylor Avenues, Hayward, California.* Project No. E7618.

Terrasearch, Inc., March 8, 1998. *Initial Surface and Subsurface Environmental Site Assessment at Selected Properties on Olympic and Taylor Avenues, Hayward, California.* Project No. E7618.

Terrasearch, Inc., May 7, 1999. *Underground Storage Tank Removal and Closure Report at Olympic Avenue and Huntwood Drive, Hayward, California.* Project No. E7618.

SITE LOCATION



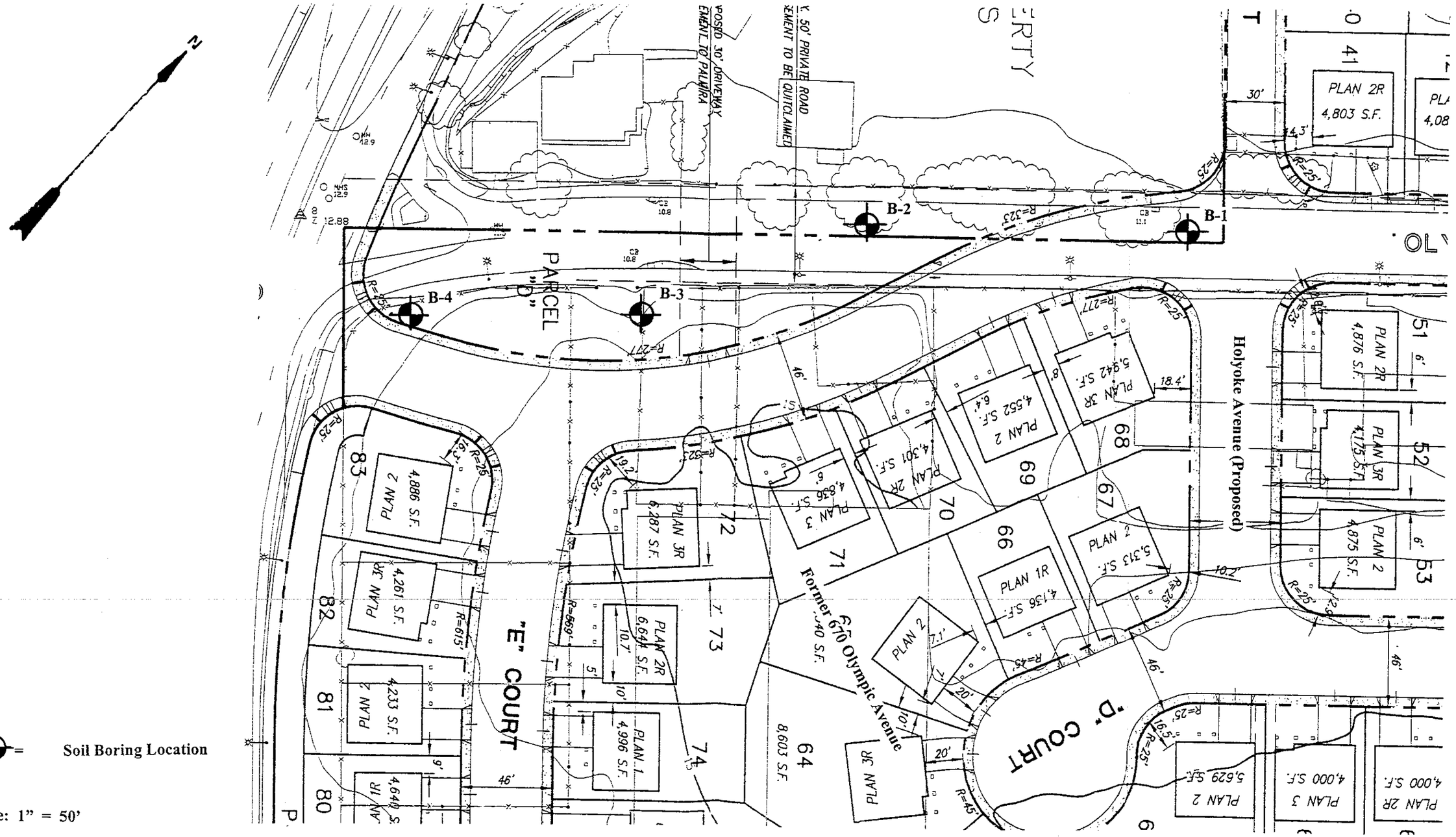
Scale: 1" = 2,000'

Source: U.S.G.S Niles Quadrangle 7.5-Minute Topographic Map, 1980.

TERRA SEARCH INC.	FIGURE NO. 1, SITE VICINITY MAP

167338

Project No. E7816 May 14, 1999



B-1 = Soil Boring Location

Scale: 1" = 50'

Base map from Ruggeri-Jensen-Azar & Associates, January 22, 1999

TERRA SEARCH INC.

FIGURE NO. 2, SITE PLAN

TABLE 1

LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES

Olympic Avenue
Hayward, California
May 4, 1999

Sample ID	Sample Depth (feet)	TPHg (mg/Kg)	TPHd (mg/Kg)	TOG (mg/Kg)	BTEX (mg/Kg)	MTBE (mg/Kg)	HVOs (µg/Kg)	Lead (mg/Kg)
1-6	6	<1.0	4.1	<50	<0.005	<10	<5.0	<5.0
2-6	6	<1.0	<1.0	<50	<0.005	<10	<5.0	<5.0
3-6	6	<1.0	<1.0	NA	<0.005	<10	<5.0	<5.0
4-6	6	<1.0	<1.0	NA	<0.005	<10	<5.0	<5.0

TPHg	=	Total petroleum hydrocarbons reported as gasoline by EPA Methods 5030/LUFT.
TPHd	=	Total petroleum hydrocarbons reported as diesel by EPA Method 3550/LUFT.
TOG	=	Total oil and grease by EPA 418.1.
BTEX	=	Benzene, toluene, ethyl benzene, total xylenes by EPA Method 8020.
MTBE	=	Methyl tert-Butyl Ether by EPA Method 8020.
HVOs	=	Halogenated Volatile Organics by EPA Method 8010.
Lead	=	By EPA Method 7421.
<	=	Indicates less than laboratory detection limit of chemical constituent.
NA	=	Not Analyzed.
mg/Kg	=	Milligrams per kilogram (equivalent to parts per million [ppm]), in soil.
µg/Kg	=	Micrograms per kilogram (equivalent to parts per billion [ppb]), in soil.

TABLE 2

LABORATORY ANALYTICAL RESULTS OF GROUNDWATER "GRAB" SAMPLES

Olympic Avenue
Hayward, California
May 4, 1999

Sample ID	Sample Depth (feet)	TPHg (mg/L)	TPHd (mg/L)	TOG (mg/Kg)	BTEX (mg/L)	MTBE (mg/L)	HVOs (µg/L)	Lead (mg/Kg)
B-1	6	<0.05	0.13	NA	<0.3	<1.0	<1.0	<0.01
B-2	6	<0.05	<0.05	NA	<0.3	<1.0	<1.0	<0.01
B-3	6	<0.05	<0.05	NA	<0.3	26	<1.0	<0.01
B-4	6	<0.05	0.08	NA	<0.3	1.8	<1.0	<0.01

TPHg	=	Total petroleum hydrocarbons reported as gasoline by EPA Method 602.
TPHd	=	Total petroleum hydrocarbons reported as diesel by EPA Method 3510 LUFT.
TOG	=	Total oil and grease.
BTEX	=	Benzene, toluene, ethyl benzene, total xylenes by EPA Method 602.
MTBE	=	Methyl tert-Butyl Ether by EPA Method 602.
HVOs	=	Halogenated Volatile Organics by EPA Method 601.
Lead	=	By EPA Method 7421.
<	=	Indicates less than laboratory detection limit of chemical constituent.
NA	=	Not Analyzed.
µg/L	=	Micrograms per liter (equivalent to parts per billion [ppb]), in water.

TABLE 2

LABORATORY ANALYTICAL RESULTS OF GROUNDWATER "GRAB" SAMPLES

Olympic Avenue
Hayward, California
May 4, 1999

Sample ID	Sample Depth (Feet)	TPHg (µg/L)	TPHd (mg/L)	TOG (mg/L)	BTEX (µg/L)	MTBE (µg/L)	HVOs (µg/L)	Lead (mg/Kg)
B-1	6	<0.05	0.13	NA	<0.3	<1.0	<1.0	<0.01
B-2	6	<0.05	<0.05	NA	<0.3	<1.0	<1.0	<0.01
B-3	6	<0.05	<0.05	NA	<0.3	26	<1.0	<0.01
B-4	6	<0.05	0.08	NA	<0.3	1.8	<1.0	<0.01

TPHg	=	Total petroleum hydrocarbons reported as gasoline by EPA Method 602.
TPHd	=	Total petroleum hydrocarbons reported as diesel by EPA Method 3510 LUFT.
TOG	=	Total oil and grease.
BTEX	=	Benzene, toluene, ethyl benzene, total xylenes by EPA Method 602.
MTBE	=	Methyl tert-Butyl Ether by EPA Method 602.
HVOs	=	Halogenated Volatile Organics by EPA Method 601.
Lead	=	By EPA Method 7421.
<	=	Indicates less than laboratory detection limit of chemical constituent.
NA	=	Not Analyzed.
µg/L	=	Micrograms per liter (equivalent to parts per billion [ppb]), in water.

TABLE 1

LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES

Olympic Avenue
Hayward, California
May 4, 1999

Sample ID	Depth of Sample (feet)	TPHg (mg/Kg)	TPHd (mg/Kg)	TOG (mg/Kg)	BTEX (mg/Kg)	MTBE (µg/Kg)	HVOs (µg/Kg)	Lead (mg/Kg)
1-6	6	<1.0	4.1	<50	<0.005	<10	<5.0	<5.0
2-6	6	<1.0	<1.0	<50	<0.005	<10	<5.0	<5.0
3-6	6	<1.0	<1.0	NA	<0.005	<10	<5.0	<5.0
4-6	6	<1.0	<1.0	NA	<0.005	<10	<5.0	<5.0

TPHg	=	Total petroleum hydrocarbons reported as gasoline by EPA Methods 5030/LUFT.
TPHd	=	Total petroleum hydrocarbons reported as diesel by EPA Method 3550/LUFT.
TOG	=	Total oil and grease by EPA 418.1.
BTEX	=	Benzene, toluene, ethyl benzene, total xylenes by EPA Method 8020.
MTBE	=	Methyl tert-Butyl Ether by EPA Method 8020.
HVOs	=	Halogenated Volatile Organics by EPA Method 8010.
Lead	=	By EPA Method 7421.
<	=	Indicates less than laboratory detection limit of chemical constituent.
NA	=	Not Analyzed.
mg/Kg	=	Milligrams per kilogram (equivalent to parts per million [ppm]), in soil.
µg/Kg	=	Micrograms per kilogram (equivalent to parts per billion [ppb]), in soil.

APPENDIX A

LOGS OF BORINGS

LOGGED BY: RDC	SURFACE ELEVATION: N/A	BORING NO. B-1
DRILL RIG: Pacific Drilling	BORING DIAMETER: 4-inch	DATE DRILLED: 5/4/99

DEPTH (feet)	SAMPLE NO.	SAMPLE	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	REMARKS
0				Asphalt	ML				
				Dark brown sandy SILT with gravel, moist, dense; (FILL).	CH				
				Light grayish brown silty CLAY, very moist, soft; No odor.					
5	1-6					5			
				Light gray-buff silty CLAY with thinly bedded sand layers, saturated; no odor.	CL				
10	1-11					7			
				End of boring at 11.5 feet. Groundwater encountered at 7.5 feet and stabilized at 5 feet.					
15									
20									
25									
30									
35									

TERRASEARCH, inc.

EXPLORATORY BORING LOG

SummerHill Homes – Hayward

Olympic Avenue and Huntwood Drive, Hayward, CA

PROJECT NO.		FIGURE
E7618		3

LOGGED BY: RDC	SURFACE ELEVATION: N/A	BORING NO. B-2
DRILL RIG: Pacific Drilling	BORING DIAMETER: 4-inch	DATE DRILLED: 5/4/99

DEPTH (feet)	SAMPLE NO.	SAMPLE	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	REMARKS
0				Asphalt	ML				
				Dark brown sandy SILT with gravel, moist, dense; (FILL).	CH				
				Light grayish brown silty CLAY, very moist, soft; No odor.					
5	1-6					5			
				Light gray-buff silty CLAY with thinly bedded sand layers, saturated; no odor.	CL				
10	1-10					7			
				End of boring at 10.5 feet. Groundwater encountered at 8 feet and stabilized at 7 feet.					
15									
20									
25									
30									
35									

TERRASEARCH, inc.

EXPLORATORY BORING LOG

SummerHill Homes – Hayward

Olympic Avenue and Huntwood Drive, Hayward, CA

PROJECT NO.		FIGURE
E7618		4

LOGGED BY: RDC	SURFACE ELEVATION: N/A	BORING NO. B-3
DRILL RIG: Pacific Drilling	BORING DIAMETER: 4-inch	DATE DRILLED: 5/4/99

DEPTH (feet)	SAMPLE NO.	SAMPLE	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	REMARKS
0				Dark brown sandy SILT with gravel, moist, dense; (FILL).	ML				
				Light brown silty CLAY, very moist, medium stiff; no odor.	CH				
5	3-6					8			
				Light gray-buff silty CLAY with thinly bedded sand layers, saturated; no odor.	CL				
10	3-10					8			
				End of boring at 11.5 feet. Groundwater encountered at 7.5 feet and stabilized at 6 feet.					
15									
20									
25									
30									
35									

TERRASEARCH, inc.

EXPLORATORY BORING LOG

SummerHill Homes – Hayward

Olympic Avenue and Huntwood Drive, Hayward, CA

PROJECT NO.		FIGURE
E7618		5

LOGGED BY: RDC	SURFACE ELEVATION: N/A	BORING NO. B-4
DRILL RIG: Pacific Drilling	BORING DIAMETER: 4-inch	DATE DRILLED: 5/4/99

DEPTH (feet)	SAMPLE NO.	SAMPLE	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION AND CLASSIFICATION	SOIL CLASSIFICATION	CONVERTED SPT BLOW COUNT (BLOWS/FT.)	DRY DENSITY (PCF)	MOISTURE CONTENT (PERCENT)	REMARKS
0				Dark brown sandy SILT with gravel, moist, dense; (FILL).	ML				
				Light brown silty CLAY, very moist, medium stiff; no odor.	CH				
5	4-6					16			
				Light gray-buff silty CLAY with thinly bedded sand layers, saturated; no odor.	CL				
10	4-10					5			
				End of boring at 11.5 feet. Groundwater encountered at 8 feet and stabilized at 7 feet.					
15									
20									
25									
30									
35									

TERRASEARCH, inc.

EXPLORATORY BORING LOG

SummerHill Homes – Hayward

Olympic Avenue and Huntwood Drive, Hayward, CA

PROJECT NO.		FIGURE
E7618		6

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue
Modesto, CA 95351

Phone: (209) 572-0900
Fax: (209) 572-0916

Lab Report # K124-15

Regulatory ☐ Yes ☐ No

Regulator: _____

Phone: ( ) _____

Fax: ( ) _____

To: _____

Client: Terrasearch Inc.

Address: 11640 Dublin Blvd.

City Dublin, CA Zip 94568

CHAIN OF CUSTODY

Project ID E7618

Sampled By (Print Name): Robert D. Campbell

(Signature): Robert D. Campbell

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container: Type	Container: Size	No. Of Containers	ANALYSIS: TPH as Gas / BTEX / MTBE	TPH as Diesel	EPA 8010	Pb	TRPH	Hold	Remarks	Lab ID #	Preservative
5/4/99	8:10			Soil	1-6	Sleeve	2x4"		X	X	X	X	X			K21570	
	8:20				1-11									X		K21571	
	8:35				2-6				X	X	X	X	X			K21572	
	8:45				2-10									X		K21573	
	9:10				3-6				X	X	X	X				K21574	
	9:25				3-11									X		K21575	
	9:55				4-6				X	X	X	X				K21576	
	10:00				4-11									X		K21577	
	8:25	water			B-1	1l/VOAs	4oml		X	X	X	X				K32273	2
	9:00				B-2				X	X	X	X				K32274	2
	9:40				B-3				X	X	X	X				K32275	2
	10:10				B-4				X	X	X	X				K32276	2

Lab Use Only

Ice

VOAs only

Remarks

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Robert D. Campbell	5/4/99	11:25	Richard Chun	5/4/99	11:25
Richard Chun	5/4/99	2:20	Jennifer Hoffman	5/4/99	2:20

Preservative: ①-4°C ②-HCl ③-NaOH ④-$Na_2S_2O_3$ ⑤-HNO_3 ⑥-H_2SO_4 ⑦-Other _____ ⑧-Other _____

Site Time: Start: Finish: Total Hours:

Driving Time: Start: Site Arrival: x2= Total Hours

Mileage: _____

Approved By:

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

8010

Report # K124-15 **Date:** 5/11/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/07/99
Date Completed: 5/07/99

Date Sampled: 5/04/99
Time: 8:10AM
Sampler: Robert Campbell

Sample ID: 1-6
Lab ID: K21570

Method	MDL	Analyte	Results	Units
8010	5.0	Dichlorodifluoromethane	ND	µg/Kg
	5.0	Chloromethane	ND	
	5.0	Vinyl Chloride	ND	
	5.0	Bromomethane	ND	
	5.0	Chloroethane	ND	
	5.0	Trichlorofluoromethane	ND	
	5.0	1,1-Dichloroethene	ND	
	5.0	Methylene Chloride	ND	
	5.0	trans-1,2-Dichloroethene	ND	
	5.0	1,1-Dichloroethane	ND	
	5.0	Chloroform	ND	
	5.0	1,1,1-Trichloroethane	ND	
	5.0	Carbon Tetrachloride	ND	
	5.0	1,2-Dichloroethane	ND	
	5.0	Trichloroethene	ND	
	5.0	1,2-Dichloropropane	ND	
	5.0	Bromodichloromethane	ND	
	5.0	Dibromomethane	ND	
	5.0	2-Chloroethylvinyl ether	ND	
	5.0	trans-1,3-Dichloropropene	ND	
	5.0	cis-1,3-Dichloropropene	ND	
	5.0	1,1,2-Trichloroethane	ND	
	5.0	Tetrachloroethene	ND	
	5.0	Dibromochloromethane	ND	
	5.0	1,2-Dibromoethane	ND	
	5.0	1,1,1,2-Tetrachloroethane	ND	
	5.0	Chlorobenzene	ND	
	5.0	Bromoform	ND	
	5.0	1,1,2,2-Tetrachloroethane	ND	
	5.0	1,2,3-Trichloropropane	ND	
	5.0	Bromobenzene	ND	
	5.0	2-Chlorotoluene	ND	
	5.0	1,3-Dichlorobenzene	ND	
	5.0	1,4-Dichlorobenzene	ND	
	5.0	1,2-Dichlorobenzene	ND	

Sylvia Krenn
Chemist

Certification # 1157

Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

8010

Report # K124-15

Date: 5/11/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/07/99
Date Completed: 5/07/99

Date Sampled: 5/04/99
Time: 8:35AM
Sampler: Robert Campbell

Sample ID: 2-6
Lab ID: K21572

Method	MDL	Analyte	Results	Units
8010	5.0	Dichlorodifluoromethane	ND	µg/Kg
	5.0	Chloromethane	ND	
	5.0	Vinyl Chloride	ND	
	5.0	Bromomethane	ND	
	5.0	Chloroethane	ND	
	5.0	Trichlorofluoromethane	ND	
	5.0	1,1-Dichloroethene	ND	
	5.0	Methylene Chloride	ND	
	5.0	trans-1,2-Dichloroethene	ND	
	5.0	1,1-Dichloroethane	ND	
	5.0	Chloroform	ND	
	5.0	1,1,1-Trichloroethane	ND	
	5.0	Carbon Tetrachloride	ND	
	5.0	1,2-Dichloroethane	ND	
	5.0	Trichloroethene	ND	
	5.0	1,2-Dichloropropane	ND	
	5.0	Bromodichloromethane	ND	
	5.0	Dibromomethane	ND	
	5.0	2-Chloroethylvinyl ether	ND	
	5.0	trans-1,3-Dichloropropene	ND	
	5.0	cis-1,3-Dichloropropene	ND	
	5.0	1,1,2-Trichloroethane	ND	
	5.0	Tetrachloroethene	ND	
	5.0	Dibromochloromethane	ND	
	5.0	1,2-Dibromoethane	ND	
	5.0	1,1,1,2-Tetrachloroethane	ND	
	5.0	Chlorobenzene	ND	
	5.0	Bromoform	ND	
	5.0	1,1,2,2-Tetrachloroethane	ND	
	5.0	1,2,3-Trichloropropane	ND	
	5.0	Bromobenzene	ND	
	5.0	2-Chlorotoluene	ND	
	5.0	1,3-Dichlorobenzene	ND	
	5.0	1,4-Dichlorobenzene	ND	
	5.0	1,2-Dichlorobenzene	ND	

Sylvia Krenn
Chemist

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1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

8010

Report # K124-15 **Date:** 5/11/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/07/99
Date Completed: 5/07/99

Date Sampled: 5/04/99
Time: 9:10AM
Sampler: Robert Campbell

Sample ID: 3-6
Lab ID: K21574

Method	MDL	Analyte	Results	Units
8010	5.0	Dichlorodifluoromethane	ND	µg/Kg
	5.0	Chloromethane	ND	
	5.0	Vinyl Chloride	ND	
	5.0	Bromomethane	ND	
	5.0	Chloroethane	ND	
	5.0	Trichlorofluoromethane	ND	
	5.0	1,1-Dichloroethene	ND	
	5.0	Methylene Chloride	ND	
	5.0	trans-1,2-Dichloroethene	ND	
	5.0	1,1-Dichloroethane	ND	
	5.0	Chloroform	ND	
	5.0	1,1,1-Trichloroethane	ND	
	5.0	Carbon Tetrachloride	ND	
	5.0	1,2-Dichloroethane	ND	
	5.0	Trichloroethene	ND	
	5.0	1,2-Dichloropropane	ND	
	5.0	Bromodichloromethane	ND	
	5.0	Dibromomethane	ND	
	5.0	2-Chloroethylvinyl ether	ND	
	5.0	trans-1,3-Dichloropropene	ND	
	5.0	cis-1,3-Dichloropropene	ND	
	5.0	1,1,2-Trichloroethane	ND	
	5.0	Tetrachloroethene	ND	
	5.0	Dibromochloromethane	ND	
	5.0	1,2-Dibromoethane	ND	
	5.0	1,1,1,2-Tetrachloroethane	ND	
	5.0	Chlorobenzene	ND	
	5.0	Bromoform	ND	
	5.0	1,1,2,2-Tetrachloroethane	ND	
	5.0	1,2,3-Trichloropropane	ND	
	5.0	Bromobenzene	ND	
	5.0	2-Chlorotoluene	ND	
	5.0	1,3-Dichlorobenzene	ND	
	5.0	1,4-Dichlorobenzene	ND	
	5.0	1,2-Dichlorobenzene	ND	

Sylvia Krenn
Chemist

Certification # 1157

Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

8010

Report # K124-15 **Date:** 5/11/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/07/99
Date Completed: 5/07/99

Date Sampled: 5/04/99
Time: 9:50AM
Sampler: Robert Campbell

Sample ID: 4-6
Lab ID: K21576

Method	MDL	Analyte	Results	Units
8010	5.0	Dichlorodifluoromethane	ND	µg/Kg
	5.0	Chloromethane	ND	
	5.0	Vinyl Chloride	ND	
	5.0	Bromomethane	ND	
	5.0	Chloroethane	ND	
	5.0	Trichlorofluoromethane	ND	
	5.0	1,1-Dichloroethene	ND	
	5.0	Methylene Chloride	ND	
	5.0	trans-1,2-Dichloroethene	ND	
	5.0	1,1-Dichloroethane	ND	
	5.0	Chloroform	ND	
	5.0	1,1,1-Trichloroethane	ND	
	5.0	Carbon Tetrachloride	ND	
	5.0	1,2-Dichloroethane	ND	
	5.0	Trichloroethene	ND	
	5.0	1,2-Dichloropropane	ND	
	5.0	Bromodichloromethane	ND	
	5.0	Dibromomethane	ND	
	5.0	2-Chloroethylvinyl ether	ND	
	5.0	trans-1,3-Dichloropropene	ND	
	5.0	cis-1,3-Dichloropropene	ND	
	5.0	1,1,2-Trichloroethane	ND	
	5.0	Tetrachloroethene	ND	
	5.0	Dibromochloromethane	ND	
	5.0	1,2-Dibromoethane	ND	
	5.0	1,1,1,2-Tetrachloroethane	ND	
	5.0	Chlorobenzene	ND	
	5.0	Bromoform	ND	
	5.0	1,1,2,2-Tetrachloroethane	ND	
	5.0	1,2,3-Trichloropropane	ND	
	5.0	Bromobenzene	ND	
	5.0	2-Chlorotoluene	ND	
	5.0	1,3-Dichlorobenzene	ND	
	5.0	1,4-Dichlorobenzene	ND	
	5.0	1,2-Dichlorobenzene	ND	

Sylvia Krenn
Chemist

Certification # 1157

Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

601

Report # K124-15

Date: 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Time: 8:25AM
Sampler: Robert Campbell

Sample ID: B-1
Lab ID: K32273

Method	MDL	Analyte	Results	Units
601	1.0	Dichlorodifluoromethane	ND	µg/L
	1.0	Chloromethane	ND	
	1.0	Vinyl Chloride	ND	
	1.0	Bromomethane	ND	
	1.0	Chloroethane	ND	
	1.0	Trichlorofluoromethane	ND	
	1.0	1,1-Dichloroethene	ND	
	1.0	Methylene Chloride	ND	
	1.0	trans-1,2-Dichloroethene	ND	
	1.0	1,1-Dichloroethane	ND	
	1.0	Chloroform	ND	
	1.0	1,1,1-Trichloroethane	ND	
	1.0	Carbon Tetrachloride	ND	
	1.0	1,2-Dichloroethane	ND	
	1.0	Trichloroethene	ND	
	1.0	1,2-Dichloropropane	ND	
	1.0	Bromodichloromethane	ND	
	1.0	2-Chloro ethyl vinyl ether	ND	
	1.0	cis-1,3-Dichloropropene	ND	
	1.0	trans-1,3-Dichloropropene	ND	
	1.0	1,1,2-Trichloroethane	ND	
	1.0	Tetrachloroethene	ND	
	1.0	Dibromochloromethane	ND	
	1.0	Chlorobenzene	ND	
	1.0	Bromoform	ND	
	1.0	1,1,2,2-Tetrachloroethane	ND	
	1.0	1,3-Dichlorobenzene	ND	
	1.0	1,4-Dichlorobenzene	ND	
	1.0	1,2-Dichlorobenzene	ND	

Sylvia Krenn
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CERTIFICATE OF ANALYSIS

601

Report # K124-15 **Date:** 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Time: 9:00AM
Sampler: Robert Campbell

Sample ID: B-2
Lab ID: K32274

Method	MDL	Analyte	Results	Units
601	1.0	Dichlorodifluoromethane	ND	µg/L
	1.0	Chloromethane	ND	
	1.0	Vinyl Chloride	ND	
	1.0	Bromomethane	ND	
	1.0	Chloroethane	ND	
	1.0	Trichlorofluoromethane	ND	
	1.0	1,1-Dichloroethene	ND	
	1.0	Methylene Chloride	ND	
	1.0	trans-1,2-Dichloroethene	ND	
	1.0	1,1-Dichloroethane	ND	
	1.0	Chloroform	ND	
	1.0	1,1,1-Trichloroethane	ND	
	1.0	Carbon Tetrachloride	ND	
	1.0	1,2-Dichloroethane	ND	
	1.0	Trichloroethene	ND	
	1.0	1,2-Dichloropropane	ND	
	1.0	Bromodichloromethane	ND	
	1.0	2-Chloro ethyl vinyl ether	ND	
	1.0	cis-1,3-Dichloropropene	ND	
	1.0	trans-1,3-Dichloropropene	ND	
	1.0	1,1,2-Trichloroethane	ND	
	1.0	Tetrachloroethene	ND	
	1.0	Dibromochloromethane	ND	
	1.0	Chlorobenzene	ND	
	1.0	Bromoform	ND	
	1.0	1,1,2,2-Tetrachloroethane	ND	
	1.0	1,3-Dichlorobenzene	ND	
	1.0	1,4-Dichlorobenzene	ND	
	1.0	1,2-Dichlorobenzene	ND	

Sylvia Krenn
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CERTIFICATE OF ANALYSIS

601

Report # K124-15 **Date:** 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Time: 9:40AM
Sampler: Robert Campbell

Sample ID: B-3
Lab ID: K32275

Method	MDL	Analyte	Results	Units
601	1.0	Dichlorodifluoromethane	ND	µg/L
	1.0	Chloromethane	ND	
	1.0	Vinyl Chloride	ND	
	1.0	Bromomethane	ND	
	1.0	Chloroethane	ND	
	1.0	Trichlorofluoromethane	ND	
	1.0	1,1-Dichloroethene	ND	
	1.0	Methylene Chloride	ND	
	1.0	trans-1,2-Dichloroethene	ND	
	1.0	1,1-Dichloroethane	ND	
	1.0	Chloroform	ND	
	1.0	1,1,1-Trichloroethane	ND	
	1.0	Carbon Tetrachloride	ND	
	1.0	1,2-Dichloroethane	ND	
	1.0	Trichloroethene	ND	
	1.0	1,2-Dichloropropane	ND	
	1.0	Bromodichloromethane	ND	
	1.0	2-Chloro ethyl vinyl ether	ND	
	1.0	cis-1,3-Dichloropropene	ND	
	1.0	trans-1,3-Dichloropropene	ND	
	1.0	1,1,2-Trichloroethane	ND	
	1.0	Tetrachloroethene	ND	
	1.0	Dibromochloromethane	ND	
	1.0	Chlorobenzene	ND	
	1.0	Bromoform	ND	
	1.0	1,1,2,2-Tetrachloroethane	ND	
	1.0	1,3-Dichlorobenzene	ND	
	1.0	1,4-Dichlorobenzene	ND	
	1.0	1,2-Dichlorobenzene	ND	

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CERTIFICATE OF ANALYSIS

601

Report # K124-15

Date: 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Time: 10:10AM
Sampler: Robert Campbell

Sample ID: B-4
Lab ID: K32276

Method	MDL	Analyte	Results	Units
601	1.0	Dichlorodifluoromethane	ND	µg/L
	1.0	Chloromethane	ND	
	1.0	Vinyl Chloride	ND	
	1.0	Bromomethane	ND	
	1.0	Chloroethane	ND	
	1.0	Trichlorofluoromethane	ND	
	1.0	1,1-Dichloroethene	ND	
	1.0	Methylene Chloride	ND	
	1.0	trans-1,2-Dichloroethene	ND	
	1.0	1,1-Dichloroethane	ND	
	1.0	Chloroform	ND	
	1.0	1,1,1-Trichloroethane	ND	
	1.0	Carbon Tetrachloride	ND	
	1.0	1,2-Dichloroethane	ND	
	1.0	Trichloroethene	ND	
	1.0	1,2-Dichloropropane	ND	
	1.0	Bromodichloromethane	ND	
	1.0	2-Chloro ethyl vinyl ether	ND	
	1.0	cis-1,3-Dichloropropene	ND	
	1.0	trans-1,3-Dichloropropene	ND	
	1.0	1,1,2-Trichloroethane	ND	
	1.0	Tetrachloroethene	ND	
	1.0	Dibromochloromethane	ND	
	1.0	Chlorobenzene	ND	
	1.0	Bromoform	ND	
	1.0	1,1,2,2-Tetrachloroethane	ND	
	1.0	1,3-Dichlorobenzene	ND	
	1.0	1,4-Dichlorobenzene	ND	
	1.0	1,2-Dichlorobenzene	ND	

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CERTIFICATE OF ANALYSIS

Report # K124-15 BTEX & Gas **Date:** 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
1-6	K21570	5.0	8020	Benzene	ND	µg/Kg
		5.0		Toluene	ND	µg/Kg
		5.0		Ethyl Benzene	ND	µg/Kg
		5.0		Total Xylenes	ND	µg/Kg
		1.0	5030/LUFT	Gasoline	ND	mg/Kg
2-6	K21572	5.0	8020	Benzene	ND	µg/Kg
		5.0		Toluene	ND	µg/Kg
		5.0		Ethyl Benzene	ND	µg/Kg
		5.0		Total Xylenes	ND	µg/Kg
		1.0	5030/LUFT	Gasoline	ND	mg/Kg
3-6	K21574	5.0	8020	Benzene	ND	µg/Kg
		5.0		Toluene	ND	µg/Kg
		5.0		Ethyl Benzene	ND	µg/Kg
		5.0		Total Xylenes	ND	µg/Kg
		1.0	5030/LUFT	Gasoline	ND	mg/Kg
4-6	K21576	5.0	8020	Benzene	ND	µg/Kg
		5.0		Toluene	ND	µg/Kg
		5.0		Ethyl Benzene	ND	µg/Kg
		5.0		Total Xylenes	ND	µg/Kg
		1.0	5030/LUFT	Gasoline	ND	mg/Kg

Sylvia Krenn
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CERTIFICATE OF ANALYSIS

Report # K124-15 **Date:** 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/05/99
Date Completed: 5/05/99

Date Sampled: 5/04/99
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
B-1	K32273	0.3	602	Benzene	ND	µg/L
		0.3		Toluene	ND	µg/L
		0.3		Ethyl Benzene	ND	µg/L
		0.6		Total Xylenes	ND	µg/L
		0.05	5030/Luft	Gasoline	ND	mg/L
B-2	K32274	0.3	602	Benzene	ND	µg/L
		0.3		Toluene	ND	µg/L
		0.3		Ethyl Benzene	ND	µg/L
		0.6		Total Xylenes	ND	µg/L
		0.05	5030/Luft	Gasoline	ND	mg/L
B-3	K32275	0.3	602	Benzene	ND	µg/L
		0.3		Toluene	ND	µg/L
		0.3		Ethyl Benzene	ND	µg/L
		0.6		Total Xylenes	ND	µg/L
		0.05	5030/Luft	Gasoline	ND	mg/L
B-4	K32276	0.3	602	Benzene	ND	µg/L
		0.3		Toluene	ND	µg/L
		0.3		Ethyl Benzene	ND	µg/L
		0.6		Total Xylenes	ND	µg/L
		0.05	5030/Luft	Gasoline	ND	mg/L

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Report # K124-15

Date: 5/07/99

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Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
1-6	K21570	10	8020	Methyl tert-Butyl Ether (MTBE)	ND	µg/Kg
2-6	K21572	10	8020	Methyl tert-Butyl Ether (MTBE)	ND	µg/Kg
3-6	K21574	10	8020	Methyl tert-Butyl Ether (MTBE)	ND	µg/Kg
4-6	K21576	10	8020	Methyl tert-Butyl Ether (MTBE)	ND	µg/Kg

Sylvia Krenn
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CERTIFICATE OF ANALYSIS

Report # K124-15

Date: 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/05/99
Date Completed: 5/05/99

Date Sampled: 5/04/99
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
B-1	K32273	1.0	602	Methyl tert-Butyl Ether (MTBE)	ND	ug/L
B-2	K32274	1.0	602	Methyl tert-Butyl Ether (MTBE)	ND	ug/L
B-3	K32275	2.0	602	Methyl tert-Butyl Ether (MTBE)	26	ug/L
B-4	K32276	1.0	602	Methyl tert-Butyl Ether (MTBE)	1.8	ug/L

Sylvia Krenn
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Report # K124-15

Date: 5/06/99

TerraSearch Inc.
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Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Time: 8:10AM
Sampler: Robert Campbell

Sample ID: 1-6
Lab ID: K21570

Method	MDL	Analyte	Results	Units
18.1	50	Total Recoverable Petroleum Hydrocarbons	ND	mg/Kg

Gregory Merciadis
Chemist

Certification # 1157

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Report # K124-15

Date: 5/06/99

TerraSearch Inc.
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Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Time: 8:35AM
Sampler: Robert Campbell

Sample ID: 2-6
Lab ID: K21572

Method	MDL	Analyte	Results	Units
#18.1	50	Total Recoverable Petroleum Hydrocarbons	ND	mg/Kg

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller
Laboratory Director

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Report # K124-15

Date: 5/06/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/05/99
Date Completed: 5/05/99

Date Sampled: 5/04/99
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
1-6	K21570	1.0	3550 LUFT	Diesel	4.1	mg/Kg
2-6	K21572	1.0	3550 LUFT	Diesel	ND	mg/Kg
3-6	K21574	1.0	3550 LUFT	Diesel	ND	mg/Kg
4-6	K21576	1.0	3550 LUFT	Diesel	ND	mg/Kg

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller
Laboratory Director

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CERTIFICATE OF ANALYSIS

TEPH

Report # K124-15

Date: 5/07/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/05/99
Date Completed: 5/06/99

Date Sampled: 5/04/99
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
B-1	K32273	0.05	3510 LUFT	Diesel	0.13	mg/L
B-2	K32274	0.05	3510 LUFT	Diesel	ND	mg/L
B-3	K32275	0.05	3510 LUFT	Diesel	ND	mg/L
B-4	K32276	0.05	3510 LUFT	Diesel	0.08	mg/L

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller
Laboratory Director

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CERTIFICATE OF ANALYSIS

Report # K124-15

Date: 5/12/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/12/99

Date Sampled: 5/04/99
Time: 8:10AM
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
6	K21570	5.0	7420	Lead	ND	mg/Kg
6	K21572	5.0	7420	Lead	ND	mg/Kg
6	K21574	5.0	7420	Lead	ND	mg/Kg
6	K21576	5.0	7420	Lead	ND	mg/Kg

Ramiro Salgado
Chemist

Certification # 1157

Donna Keller
Laboratory Director

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CERTIFICATE OF ANALYSIS

Report # K124-15 **Date:** 5/12/99

TerraSearch Inc.
11840 Dublin Blvd.
Dublin CA 94568

Project: E7618

PO#

Date Rec'd: 5/04/99
Date Started: 5/06/99
Date Completed: 5/12/99

Date Sampled: 5/04/99
Time: 8:20AM
Sampler: Robert Campbell

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
-1	K32273	0.01	7421	Lead	ND	mg/L
-2	K32274	0.01	7421	Lead	ND	mg/L
-3	K32275	0.01	7421	Lead	ND	mg/L
-4	K32276	0.01	7421	Lead	ND	mg/L

Ramiro Salgado
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Certification # 1157

Donna Keller
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Report# K124-15

QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/6/99-5/7/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Benzene	V00188	8020	96.3	95.4	1.0	ND
Toluene			93.8	93.0	0.9	ND
Ethyl Benzene			97.9	97.6	0.3	ND
Methyl tert -Butyl Ether			99.7	95.7	4.1	ND
Gasoline		5030 Luft	94.7	91.7	3.2	ND

Comments:

Sylvia Krenn
Chemist

Certification # 1157

Donna Keller
Laboratory Director

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Report# K124-15

QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/6/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
1,1-Dichloroethene	V00186	601	105.9	105.0	0.9	ND
Trichloroethene			104.5	103.2	1.3	ND
Chlorobenzene			102.2	100.0	2.2	ND

Comments:

Sylvia Krenn
Chemist

Certification # 1157

Donna Keller
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QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/7/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
1,1-Dichloroethene	V00190	8010	99.3	101.4	2.1	ND
Trichloroethene			104.8	108.2	3.2	ND
Chlorobenzene			99.4	102.1	2.7	ND

Comments:

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Report# K124-15

QC REPORT

TerraSearch Inc
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Dublin CA 94568

Dates Analyzed 5/11/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Lead	I00999	7421	106.0	106.0	0.0	ND

Ramiro Salgado
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Report# K124-15

QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/11/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Lead	I00994	7420	99.0.	104.0	4.9	ND

Ramiro Salgado
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Report# K124-15

QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/6/99-5/5/99

Analyte	Batch #	Method	% Recovery	Duplicate % Recovery	RPD	Blank
Diesel	SV00161	3510 LUFT	83.2	83.6	0.6	ND

Comments:

Gregory Merciadis
Chemist

Certification # 1157

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Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

Report# K124-15

QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/5/99-5/6/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Benzene	V00183	602	94.2	94.9	0.7	ND
Toluene			93.3	94.4	1.2	ND
Ethyl Benzene			97.9	97.1	0.8	ND
Methyl tert -Butyl Ether			97.6	99.0	1.5	ND
Gasoline		5030 Luft	95.8	97.4	1.6	ND

Comments:

Sylvia Krenn
Chemist

Certification # 1157

Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

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Report# K124-15

QC REPORT

TerraSearch Inc
11840 Dublin Blvd.
Dublin CA 94568

Dates Analyzed 5/4/99

Analyte	Batch #	Method	% Recovery	Duplicate % Recovery	RPD	Blank
Oil	SV00159	418.1	98.6	108.0	9.1	ND

Comments:

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller
Laboratory Director

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Dates Analyzed 5/4/99

Analyte	Batch #	Method	MS % Recovery	MSD % Recovery	RPD	Blank
Diesel	SV00158	3550 LUFT	105.0	84.2	21.9	ND

Comments:

Gregory Merciadis
Chemist

Certification # 1157

Donna Keller
Laboratory Director