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UST-RELATED SUBSURFACE SITE INVESTIGATION

1001 77TH AVENUE
OAKLAND, CALIFORNIA

Prepared for:

ACTS COMMUNITY DEVELOPMENT
OAKLAND, CALIFORNIA

November 2005

STELLAR
ENVIRONMENTAL SOLUTIONS, INC.
GEOSCIENCE & ENGINEERING CONSULTING

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RECEIVED
By lopprojectop at 10:17 am, Jan 12, 2006

November 7, 2005

Bishop Robert C. Jackson
Acts Community Development
c/o Acts Full Gospel Church
1034 66th Avenue
Oakland, CA 94621

Subject: Report of Findings for UST-Related Subsurface Site Investigation
1001 77th Avenue, Oakland, California

Dear Bishop Jackson:

We, the undersigned consultant, have been retained by you (as property owner) to provide a subsurface site investigation of the subject property, following a Phase I and initial Phase II investigation that indicated the current or historical presence of fuel underground storage tank(s) on the property. This subsurface investigation focused on: 1) evaluating whether groundwater quality is being impacted by the hydrocarbons detected in soils; and 2) more precisely determining the extent of soil contamination. Grab-groundwater samples show a gasoline, diesel, and motor oil plume, with some offsite components toward Spencer Street.

Please call the undersigned at (510) 644-3123 if you have any questions regarding this report of findings. Thank you again for the opportunity to provide you with the requested technical services.

Sincerely,

Senior Environmental Scientist

Bruce M. Rucker.

Bruce Rucker, R.G., R.E.A.
Project Manager

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Project No. 2005-51

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EXECUTIVE SUMMARY

Stellar Environmental Solutions, Inc. (SES) was contracted by Acts Community Development ("User" of this ESA) to perform a subsurface site investigation at 1001 77th Avenue in Oakland, California. This work followed a preliminary site investigation in August 2005 in which the discovery of some subsurface contamination suggested the possible existence of a former (or intact, but unused and buried) underground fuel storage tank (UFST). The current (October 2005) field investigation was designed to further evaluate the potential location of the UFST(s), and to determine the initial extent of shallow groundwater contamination from the petroleum hydrocarbons associated with the site.

FINDINGS

Seven boreholes were drilled and sampled in two mobilizations, focusing on the downgradient portion of the site. Fifteen soil samples were collected from depths starting at 7 feet below ground surface (bgs) (within the unsaturated zone, corresponding to typical UFST base depth) and continuing through the capillary fringe and saturated zone, and into the underlying clay aquitard.

Shallow soils encountered are typical alluvial deposits. A surficial clay layer is underlain by a more permeable, water-bearing sand and gravel unit, which is underlain by at least 3 feet of non-water-bearing clay. The boreholes did not encounter non-native (backfill) material indicative of a UFST excavation.

Groundwater appears to occur at depths of approximately 10 and 13 feet bgs, under confining or semi-confining conditions. All boreholes were underlain by a low permeability, non-water-bearing clay aquitard.

Trace to low concentrations of petroleum hydrocarbons (gasoline, diesel, and motor oil) were detected in multiple borehole soil samples, with the highest concentrations in the borehole located at the southeast corner of the property. The presence of hydrocarbon contamination in unsaturated zone soil samples suggests an onsite release (rather than migration onto the site from an upgradient source). The relatively low soil contaminant concentrations do not correlate with the elevated dissolved contaminant concentrations, suggesting that existing site boreholes have not intercepted the inferred zone of higher soil contamination (former UFST excavation).

The primary contaminants detected in site groundwater are also gasoline, diesel, and motor oil, which all exceed their Regional Water Quality Control Board Environmental Screening Level (ESL) criteria. Contaminant distribution in groundwater suggests a contaminant source area in the southeastern portion of the property, with contamination extending to the west, following the inferred local groundwater flow direction. Groundwater contamination extends offsite to the west an unknown distance, although likely less than 100 feet. Neither aromatic hydrocarbons, methyl *tertiary*-butyl ether, nor metals appear to be present in soil or groundwater at concentrations of concern.

Contamination detected in soil and groundwater samples are indicative of a UFST release of both volatile-range and extractable-range petroleum hydrocarbons. Continued groundwater degradation will occur unless the source area (contaminated soil and/or UFST) is removed. Removing the contaminant source will decrease the time required to achieve regulatory site closure.

OPINIONS AND RECOMMENDATIONS

Recommended regulatory action to achieve site closure (or a no-further-action finding) at a UFST leakage site with enough residual contamination to cause dissolved petroleum in groundwater above the regulatory ESLs involves removal of the contamination source area. In this case, the required action would be removal of the UFST(s) or the remaining contaminated backfill in the former UFST area.

SES recommends a magnetometer survey to confirm whether there is in fact an existing UFST. If a UFST is found, it should be removed and soils corrective action (excavation and disposal) should be conducted to the extent practical. If a UFST is not found, Acts Community Development should consider whether additional investigation and/or corrective action should be conducted to minimize environmental liability, in conjunction with addressing Alameda County Environmental Health Department (Alameda County Health) requirements.

Because the groundwater concentrations constitute a contaminant release, this report should be submitted to Alameda County Health. Based on the data, it is likely that Alameda County Health will determine that the site meets the criteria for formal listing as a UFST release. It is also likely that Alameda County Health will require additional site characterization (either additional borehole sampling and/or groundwater monitoring well installation and periodic monitoring). Site listing by Alameda County Health will also trigger the requirement to upload electronic data from the previous and future investigations to the State Water Resources Control Board "Geotracker" database and Alameda County Health's Electronic Report Upload "ftp" system.

As a cost-savings measure, we recommend that the non-hazardous waste soil (drill cuttings) be held onsite until it is determined that no additional drilling will be conducted.

1.0 INTRODUCTION

BACKGROUND INFORMATION

Stellar Environmental Solutions, Inc. (SES) is pleased to submit this report of findings for the recent subsurface investigation at the referenced site. The work was conducted in accordance with our July 26, 2005 proposal and subsequent Change Orders No 1 and No. 2. We understand that Acts Community Development (the current property owner) is considering selling the property, and that the potential buyer requested this investigation.

This report discusses the findings of the following site activities:

- Environmental Transaction Screen (June 2005) (BASICS Environmental, 2005a).
- Local Agency File Review (July 2005) (BASICS Environmental, 2005b).
- Phase II exploratory borehole drilling (August 2005) (Stellar Environmental Solutions, Inc., 2005).
- Additional site characterization via borehole drilling (October 2005).

The BASICS Environmental documents concluded that:

- The subject property was utilized as "gas and oil station" from at least the 1950s through the 1970s, based on Sanborn Fire Insurance Zonation Map notations.
- The subject property was utilized for auto repair (Collins & Collins) from 1984 to the 1990s.
- Acts Community Development has utilized the building since approximately 2002 for the storage of building maintenance equipment and construction-type equipment (but not chemicals) for use on Acts Community Development properties.
- No specific regulatory information was found, nor field observations made, to support the presence of underground fuel storage tanks (UFSTs).
- A limited Phase II investigation should be conducted to evaluate the potential for any subsurface hydrocarbon contamination associated with the property's former usage.

SUBJECT PROPERTY DESCRIPTION

The subject property description is based on our August 3, 2005 site inspection and the drilling mobilizations on August 16 and October 18, 2005. The approximately 5,250-square foot (105-foot by 50-foot) rectangular-shaped subject property is developed with one approximately 2,800-square foot, one-story concrete building. The building contains several open areas (accessible by truck doors) and several offices and office support rooms. The interior floor is entirely concrete, with no evidence of former UFSTs (i.e., there are no cold pours/patches in flooring or vent pipes).

The rear (north) and left (west) sides of the building have thin (6-foot-wide) strips of open ground. The right (east) exterior and front (south) exterior are paved (with concrete and asphalt) with no evidence of former UFSTs. The entire property is enclosed by chain-link fencing (sides and rear) and a metal gate (front). Adjacent uses include:

- A residence (to the north);
- A paved parking area, then a residence (to the east);
- A sidewalk, then 77th Avenue, then an industrial building (to the south); and
- A sidewalk, then Spencer Street, then a commercial building (to the west).

Figure 1 shows the site location.

3000 ft Scale: 1 : 100,000 Detail: 11-0 Datum: WGS84

N

SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

1001 77th Avenue
Oakland, CA

By: MJC

AUGUST 2005

Figure 1

Stellar Environmental Solutions, Inc.
Geoscience & Engineering Consulting

2005-51-01

2.0 UFST ASSESSMENT AND DRILLING ACTIVITIES

ASSESSMENT OF POTENTIAL UNDERGROUND FUEL STORAGE TANKS

The previous assessments revealed no records of potential UFSTs at the applicable regulatory agencies: City of Oakland Fire Department (the lead regulatory agency for permitting UFSTs); City of Oakland Building Department; Department of Toxic Substances Control (DTSC); Regional Water Quality Control Board (Water Board); and Alameda County Environmental Health Department (Alameda County Health). We reviewed the Oakland Fire Department site file (records back to 1991, included in Appendix A) and confirmed that it had no UFST-related file for the property.

According to the Basics Environmental June 2005 report, historical Sanborn Fire Insurance Zonation Maps (copies not included in their reports) showed the notation "gas and oil" for the subject property. We thus obtained and reviewed all available Sanborn maps for the subject property (1925, 1950, 1952, 1960, 1965, 1968, and 1969). We reviewed the Sanborn maps to determine if a UFST was in fact noted, or if the maps contained any other information that might indicate the potential location of a UFST. The maps contained the following information:

- ***1925.*** The subject property was undeveloped.
- ***1950.*** The current subject property building has been built (although not fully extended to the east and west). The building is indicated to be used for auto repairing. There is a "Gas and "Oil" notation adjacent to the front of the building, but no specific indication of UFSTs. A "Gas and Oil" notation on Sanborn maps generally (but not always) refers to UFSTs.
- ***1952.*** The subject property building has been extended to the east (its current configuration at that portion of the building), and there is an additional illegible map notation on that building extension. "Gas and Oil" is again noted on the map.
- ***1960.*** The subject property building has been extended slightly to the west (its current configuration at that portion of the building). The eastern addition (noted on the 1952 map) is indicated to be used for auto servicing, and the remainder of the building is used for auto repairing. "Gas and Oil" is again noted on the map.

- ***1965, 1968, and 1969.*** These maps show no subject property changes relative to the 1960 map.

Appendix A contains copies of the Sanborn maps we reviewed.

In summary, the subject property building was constructed between 1925 and 1950, has been used wholly for auto servicing, and is documented as utilizing "Gas and Oil" (generally indicative of a UFST) from at least 1950 to 1969. There were no regulatory agency records for a UFST, although UFSTs were typically required to be permitted by that time.

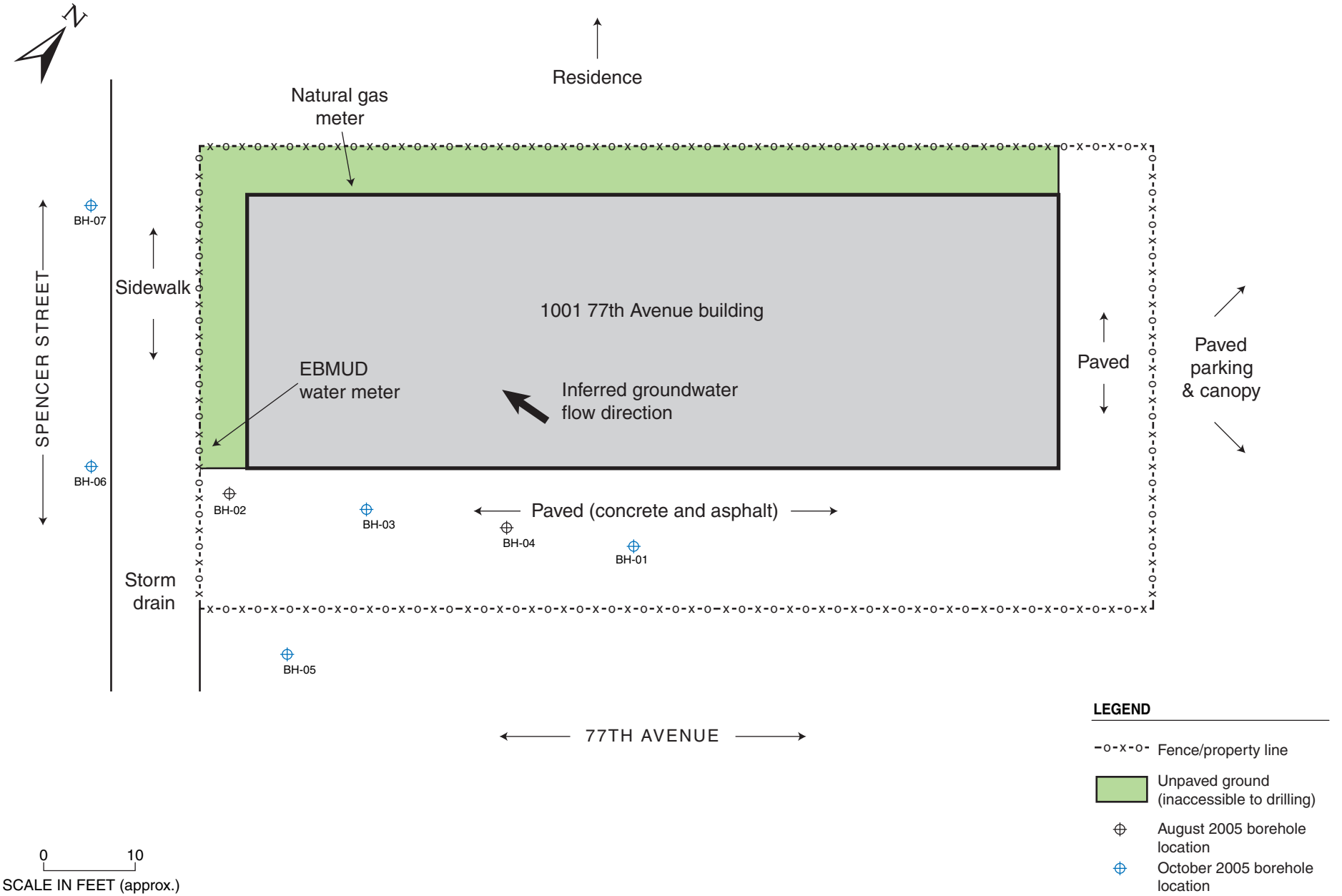
BOREHOLE LOCATION SELECTION

If a UFST is/was present, it almost certainly was located on the subject property itself (i.e., not in the sidewalks or street), on the exterior of the building. The most likely location for the UFST would be the historically (and currently) open, paved area in front of the building. There is insufficient space on the north and west sides for installation of a UFST. Local groundwater flow direction is likely to the west (toward San Francisco Bay) following local topography. Therefore, the western edge of the subject property is the area most likely to show site-sourced contamination that migrates downgradient in groundwater. Due to site access constraints, the majority of the western portion of the subject property was inaccessible to drilling. We therefore drilled the two boreholes as follows (locations shown on Figure 2):

- ***BH-01.*** Located in the approximate east-west center of the property, in the center of the exterior paved area.
- ***BH-02.*** Located at the most downgradient possible location, on the western property line immediately adjacent to the building.

PERMITTING AND PLANNING

Prior to drilling, SES marked the drilling locations with white paint and reported the planned drilling activities to Underground Service Alert of Northern California (USA North), which notified local utility companies to conduct a site-specific survey and mark underground utilities. We obtained and paid for the required borehole drilling permits from Alameda County Public Works Agency (ACPWA) (permit copy included as Appendix B). We notified ACPWA of the drilling schedule, however, ACPWA did not conduct an inspection.



STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

SITE PLAN AND DRILLING LOCATIONS

1001 77th Avenue, Oakland, CA

Figure 2

by: MJC | NOVEMBER 2005

2005-51-11

AUGUST 2005 EXPLORATORY BOREHOLE DRILLING AND SAMPLING

Exploratory borehole drilling and sampling was conducted on August 16, 2005. Drilling was conducted by Precision Sampling (C-57 License No. 636387), under the direct supervision of a SES field representative. The boreholes were drilled with a truck-mounted Geoprobe™ rig. Boreholes were drilled with 2-inch-diameter steel outer drive casing lined with acetate sampling sleeves. Figure 2 shows the borehole locations. Appendix C contains photodocumentation of the drilling activities.

Two boreholes (BH-01 and BH-02) were advanced as shown on Figure 2. These locations were selected as likely areas to intercept UFST-sourced contamination. Site lithology was determined by geologic logging of continuous core samples (results discussed in a subsequent section). Soil samples were submitted for laboratory analysis from depths of 8 feet below ground surface (bgs) and 10 feet bgs in BH-01, and from 8 and 13 feet bgs in BH-02. The upper (8-foot-deep) samples in each borehole were collected at the depth likely to be just below a typical UFST. The lower samples in each borehole were collected from the capillary fringe (just above first occurrence of groundwater). A grab-groundwater sample was also collected from each borehole with a new disposable bailer. Samples were labeled, chilled, and transported to the analytical laboratory under chain-of-custody documentation.

Following completion of drilling and sampling activities, the boreholes were tremie-grouted to surface with a slurry of neat Portland cement and potable water. Drill cuttings from the investigation were placed in a labeled, covered, 5-gallon bucket, which was left onsite.

OCTOBER 2005 EXPLORATORY BOREHOLE DRILLING AND SAMPLING

Based on the findings of the August 2005 investigation, SES recommended and was subsequently retained to conduct additional site characterization. The objective of the additional characterization was to provide additional data on the extent and magnitude of residual soil and groundwater contamination.

Exploratory borehole drilling and sampling was conducted on October 18, 2005. Drilling was conducted by EnProb Environmental Probing (C-57 License No. 777007), under the direct supervision of a SES field representative. Pre-field work planning activities were the same as for the August 2005 drilling, except that we also obtained a City of Oakland Engineering Department "Excavation Permit," which was required for drilling in the public streets. Representatives from both the City of Oakland Engineering Department and ACPWA conducted inspections while we were onsite.

Borehole drilling and sampling activities were conducted following the same protocols as the August 2005 investigation. A total of five boreholes were advanced (BH-03 through BH-08). Borehole locations were selected based on the analytical results of the August 2005 investigation, indicating a likely source area between boreholes BH-01 and BH-02, and a likely westerly groundwater flow direction. Boreholes BH-03 and BH-04 were drilled between previous boreholes BH-01 and BH-02 to provide more definition on the inferred contaminant source area. Boreholes BH-05 through BH-08 were drilled in the presumed downgradient direction to evaluate the downgradient extent of the contaminant plume.

Soil samples from each borehole were collected from the following depth intervals:

- **BH-03:** 9.5 feet bgs (an interval within the unsaturated zone that exhibited petroleum odor); 11.5 feet bgs (the capillary fringe zone just above first occurrence of groundwater); and 12 feet bgs (in the saturated zone).
- **BH-04:** 8.5 feet bgs (the unsaturated zone); and 10 feet bgs (the capillary fringe zone just above first occurrence of groundwater).
- **BH-05:** 7 feet bgs (an interval within the unsaturated zone that exhibited petroleum odor); 12 feet bgs (the capillary fringe zone just above first occurrence of groundwater); and 13 feet bgs (in the saturated zone).
- **BH-06 and BH-07:** 7.5 feet bgs (the capillary fringe zone just above first occurrence of groundwater).

LABORATORY ANALYSES

The soil and groundwater samples (both August and October 2005 investigations) were analyzed for:

- Total volatile hydrocarbons (TVH), gasoline range – by EPA Method 8015M;
- Total extractable hydrocarbons (TEH), gasoline, diesel, kerosene, and motor oil ranges (TEHg, TEHd, TEHk, and TEHmo, respectively) – by EPA Method 8015M;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl *tertiary*-butyl ether (MTBE) – by EPA Method 8020; and
- Five LUFT metals (cadmium, chromium, lead, nickel, and zinc) – by EPA 6000/7000 series; (BH-01 and BH-02 only)

Curtis and Tompkins, Ltd. (a California-certified analytical laboratory) completed all laboratory analyses.

3.0 PHYSICAL SETTING AND REGULATORY CONSIDERATIONS

TOPOGRAPHY AND DRAINAGE

The mean elevation of the property is approximately 33 feet above mean sea level (amsl), and the general topographic gradient in the site vicinity is slight and to the west-northwest (toward San Francisco Bay). The site itself has no discernible slope. The nearest downgradient (to the west) permanent surface water body is the Airport Channel of San Leandro Bay, which is connected to San Francisco Bay) located approximately 2 miles west of the subject property. We observed no stormwater drains or inlets of the property; stormwater drains were observed in the surrounding streets. Site stormwater runoff (including roof-sourced runoff) would be expected to drain onto the ground and enter the municipal storm water system. According to the commercially-available database, the site is not located within a flood zone or wetlands.

GEOLOGY, LITHOLOGY, AND HYDROGEOLOGY

The subject property and vicinity are underlain by Bay Mud deposits of Holocene age that may be locally interbedded with higher-permeability alluvial sands and gravels. Shallow site lithology was determined in the current investigations by the visual method of the Unified Soils Classification System (USCS) using continuous core soil samples from the two borehole programs. Appendix D contains borehole geologic logs from the October 2005 investigation (borehole logs were not generated for the two boreholes advanced in August 2005).

Native materials encountered in boreholes consisted predominantly of clays varying in color from light blue-gray to black, and varying in texture from stiff and dry in the upper portion of the borehole to slightly stiff-soft in lower portions of the boreholes. Gravel and sand zones were present at various depths in boreholes, between approximately 5 and 15 feet bgs. These more permeable zones were predominantly 2 feet thick or less and overlain/underlain by clay.

Water (i.e., saturated cuttings and measurable water levels) was encountered at depths between 8 feet bgs (boreholes on the western side of the property) and 13 feet bgs (boreholes in the central portion of the study area). In all boreholes, groundwater was first encountered in the uppermost permeable unit (sand or gravel). Water levels rose appreciably (2.5 to 6.5 feet) indicating confining or semi-confining conditions in the shallow aquifer.

In all boreholes, the water-bearing permeable zone was underlain by a low permeability non-water-bearing clay zone, at least 3 feet thick.

The observed local heterogeneities in shallow lithology and groundwater levels are typical of the alluvial deposits in this area.

REGULATORY CONSIDERATIONS

Screening Levels

The Water Board has established Environmental Screening Levels (ESLs) for evaluating the likelihood of environmental impact. ESLs are conservative screening-level criteria for soil and groundwater, designed to be generally protective of both drinking water resources and aquatic environments; they incorporate both environmental and human health risk considerations. ESLs are not cleanup criteria (i.e., health-based numerical values or disposal-based values). Rather, they are used as a preliminary guide in determining whether additional remediation and/or investigation may be warranted. Exceedance of ESLs may warrant additional actions, such as monitoring plume stability to demonstrate no risk to sensitive receptors in the case of sites where drinking water is not threatened.

Different ESLs are published for commercial/industrial vs. residential land use, and for sites where groundwater is a potential drinking water resource vs. is not a drinking water resource. A Water Board-published map of the East Bay shows areas where groundwater <u>is</u> and <u>is not</u> a potential drinking water resource.

In our professional opinion, the appropriate ESLs for the subject site are commercial/industrial land use and groundwater <u>is</u> a potential drinking water resource.

Hazardous Waste Criteria

Soils can be classified as hazardous (which requires special disposal if removed, but doesn't necessarily require cleanup). The most commonly applied hazardous criteria are based on both total and soluble concentrations relative to State of California numerical criteria (Total Threshold Limit Concentrations [TTLCs]) and Soluble Threshold Limit Concentrations [STLCs]). Generally, total concentrations are first determined to reduce the number of samples that might require further STLC classification (by the California Waste Extraction Test [WET]) method. No hazardous waste criteria are published for petroleum or aromatic hydrocarbons, although elevated concentrations of these contaminants would require further testing to determine if the waste would be classified by other hazardous criteria (i.e., ignitability and/or toxicity).

4.0 INVESTIGATION FINDINGS

This section discusses the findings of the August and October 2005 subsurface site investigations and also presents the preceding site investigation data. Based on these data, a conceptual site model has been developed.

DRILLING OBSERVATIONS AND ANALYTICAL RESULTS

Drilling Observations

Petroleum odor was evident in the following boreholes only:

- BH-03, in the unsaturated zone, between approximately 9.5 and 11 feet below grade.
- BH-05, in the unsaturated zone between 7 and 13 feet below grade, and in the saturated zone between 13 and 14 feet below grade.

We observed no non-native (backfill) material indicative of a UFST excavation in any of the eight exploratory boreholes.

Analytical Results

Tables 1 through 4 summarize the analytical results for the soil and groundwater samples. Appendix E contains the certified analytical laboratory reports and chain-of-custody records for the two drilling phases.

Petroleum Hydrocarbons

Because of the uncertain contents of a potential onsite UFST, we requested that the analytical laboratory report extractable hydrocarbons as three separate compounds: diesel, kerosene, and motor oil. Note that the diesel and kerosene ranges overlap, such that the true concentration of hydrocarbons in these ranges is not additive. However, concentrations detected in the motor oil range do not overlap with diesel or kerosene.

Trace to low concentrations (none exceeding Water Board ESL criteria) of volatile-range (gasoline) and extractable-range (diesel, kerosene, motor oil) hydrocarbons were found in site soils; the highest concentrations were in the motor oil range.

Table 1
August 16 and October 18, 2005 Soil Analytical Results – Petroleum and Aromatic Hydrocarbons
1001 77th Avenue, Oakland, California

Sample ID (showing depth)	Zone Sampled	TVHg	TEHd	TEHk	TEHmo	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
August 2005 Borehole Sampling Program										
BH-01-8'	UZ	*< 1.1*	3.4	*< 1.0*	*<5*	*<0.0053*	*<0.0053*	*<0.0053*	*< 0.0106*	*< 0.021*
BH-01-10'	CF	*< 1.1*	*< 1.0*	*< 1.0*	*<5*	*<0.0054*	*<0.0054*	*<0.0054*	*< 0.0108*	*< 0.022*
BH-02-8'	UZ	*< 1.0*	4.5	1.2	15	*<0.0051*	*<0.0051*	*<0.0051*	*< 0.0102*	*< 0.020*
BH-02-13'	CF	*< 1.0*	5.4	1.7	16	*<0.0050*	*<0.0050*	*<0.0050*	*< 0.0100*	*< 0.020*
October 2005 Borehole Sampling Program										
BH-03-9.5'	UZ	19	9.0	11	*< 5.0*	*<0.0056*	*<0.0056*	0.120	0.0956	*< 0.022*
BH-03-11.5'	CF	*< 0.92*	2.1	1.1	*< 5.0*	*<0.0046*	*<0.0046*	*<0.0046*	*< 0.0092*	*< 0.018*
BH-03-12'	SZ	*< 1.0*	*< 1.0*	*< 1.0*	*< 5.0*	*<0.0052*	*<0.0052*	*<0.0052*	*< 0.0104*	*< 0.021*
BH-04-8.5'	CF	*< 0.91*	2.9	*< 1.0*	5.3	*<0.0045*	*<0.0045*	*<0.0045*	*< 0.0090*	*< 0.018*
BH-04-10'	SZ	*< 1.0*	2.4	*< 0.99*	5.1	*<0.0052*	*<0.0052*	*<0.0052*	*< 0.0104*	*< 0.021*
BH-05-7'	UZ	44	68	28	420	*< 0.025*	*< 0.025*	0.063	*< 0.050*	*< 0.100*
BH-05-12'	CF	86	51	42	110	*< 0.025*	*< 0.025*	**1,200**	**1,580**	*< 0.100*
BH-05-13'	SZ	1.7	2.5	1.1	*< 5.0*	*<0.0053*	*<0.0053*	*<0.0053*	*< 0.0106*	*< 0.021*
BH-05-15'	Aquitard	*< 1.0*	2.7	*< 1.0*	5.3	*<0.0051*	*<0.0051*	*<0.0051*	*< 0.0102*	*< 0.020*
BH-06-7.5'	CF	*< 1.1*	13	1.4	50	*<0.0054*	*<0.0054*	*<0.0054*	*< 0.0108*	*< 0.022*
BH-07-7.5'	CF	*< 0.91*	2.5	*< 1.0*	*< 5.0*	*<0.0045*	*<0.0045*	*<0.0045*	*< 0.0090*	*< 0.018*
ESLs [(a)]		100	100	100	500	0.044	2.9	3.3	1.5	0.023

Notes:

[(a)] ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater is a potential drinking water resource.

TVHg = total volatile hydrocarbons as gasoline
TEHd = total extractable hydrocarbons as diesel
TEHk = total extractable hydrocarbons as kerosene
TEHmo = total extractable hydrocarbons as motor oil
MTBE = methyl *tertiary*-butyl ether

CF = capillary fringe (just above first occurrence of groundwater)
SZ = saturated zone
UZ = unsaturated zone

All concentrations are in mg/kg.

Table 2
August 16 and October 18, 2005 Groundwater Analytical Results – Petroleum and Aromatic Hydrocarbons
1001 77th Avenue, Oakland, California

Sample ID	TVHg	TEHd	TEHk	TEHmo	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
BH-01-GW	**280**	**160**	**92**	*< 300*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	**5.7**
BH-02-GW	**4,200**	**1,800**	**1,900**	**480**	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 2.0*
BH-03-GW	**1,900**	**530**	**570**	*< 300*	*< 0.5*	*< 0.5*	4.7	3.0	*< 2.0*
BH-04-GW	**330**	**120**	*< 50*	*< 300*	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 2.0*
BH-05-GW	**1,200**	**870**	**760**	**820**	*< 0.5*	*< 0.5*	*< 0.5*	**23.1**	*< 2.0*
BH-06-GW	**150**	**430**	*< 50*	**1,400**	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	*< 2.0*
BH-07-GW	**510**	**280**	*< 50*	**840**	*< 0.5*	*< 0.5*	*< 0.5*	*< 0.5*	3.3
ESLs [(a)]	100	100	100	100	1.0	40	30	13	5.0

Notes:

[(a)] ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater is a potential drinking water resource.

TVHg = total volatile hydrocarbons as gasoline
TEHd = total extractable hydrocarbons as diesel
TEHk = total extractable hydrocarbons as kerosene
TEHmo = total extractable hydrocarbons as motor oil
MTBE = methyl *tertiary*-butyl ether

All concentrations are in µg/L.

Table 3
August 16, 2005 Soil Analytical Results – Metals
1001 77th Avenue, Oakland, California

Metal	BH-01-8'	BH-01-10'	BH-02-8'	BH-02-13'	ESLs [(a)]	Hazardous Waste Criteria (TTLC)	Hazardous Waste Criteria (STLC)	Potentially Hazardous Waste Criteria (10 x STLC)
Cadmium	0.75	0.99	0.78	0.81	1.7	500	1.0	10
Chromium (total)	50	46	47	45	58	2,500	5.0	50
Lead (total)	5.7	6.1	5.2	5.3	200	1,000	5.0	50
Nickel	36	43	39	41	150	2,000	20	200
Zinc	45	62	48	45	600	5,000	250	2,500

Notes:

[(a)] ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater is a potential drinking water resource.

TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration

All concentrations are in mg/kg.

Table 4
August 16, 2005 Groundwater Analytical Results – Metals
1001 77th Avenue, Oakland, California

Metal	BH-01-GW	BH-02-GW	ESLs [(a)]	Drinking Water Standards
Cadmium	*< 5.0*	*< 5.0*	2.2	5.0
Chromium (total)	40	*< 10*	50	50
Lead (total)	5.2	*< 3.0*	2.5	15 [(b)]
Nickel	70	*< 20*	8.2	NLP
Zinc	110	*< 20*	81	5,000 [(c)]

Notes:

[(a)] ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater is a potential drinking water resource.

[(b)] California Action Level

[(c)] Secondary drinking water standard

NLP = no level published

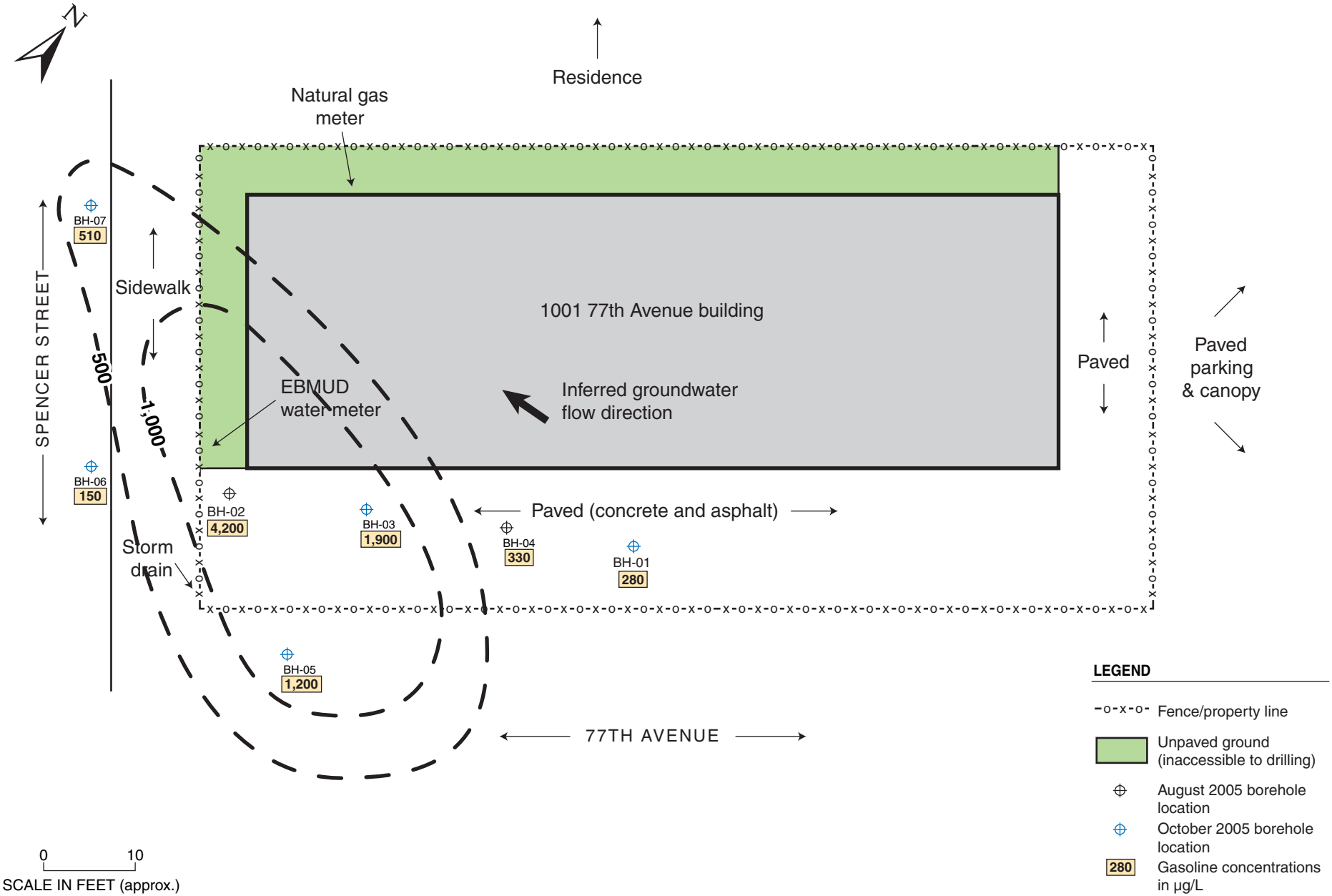
All concentrations are in µg/L.

Elevated levels (above ELSs) of volatile- and extractable-range hydrocarbons were detected in the majority of groundwater samples. Figures 3 through 5 show gasoline, diesel, and motor oil isoconcentration contours, respectively. The three petroleum contaminants show similar groundwater plumes that appear to originate in the southeastern corner of the site, with their long axes oriented to the west, following inferred local groundwater flow direction. Petroleum contaminant concentrations above ESL criteria extend offsite to the west, under Spencer Street. Based on the source area concentrations, it is likely that the petroleum contamination above ESL criteria attenuates within 50 to 100 feet of the subject property boundary.

A subsequent subsection discusses the site conceptual model.

Aromatic Hydrocarbons and MTBE

The only aromatic hydrocarbons detected in soil were ethylbenzene and xylenes, both detected at elevated concentrations in BH-5-12'. No other samples had these compounds above the ESL criteria. Neither MTBE, benzene, nor toluene were detected in any of the soil samples.



STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

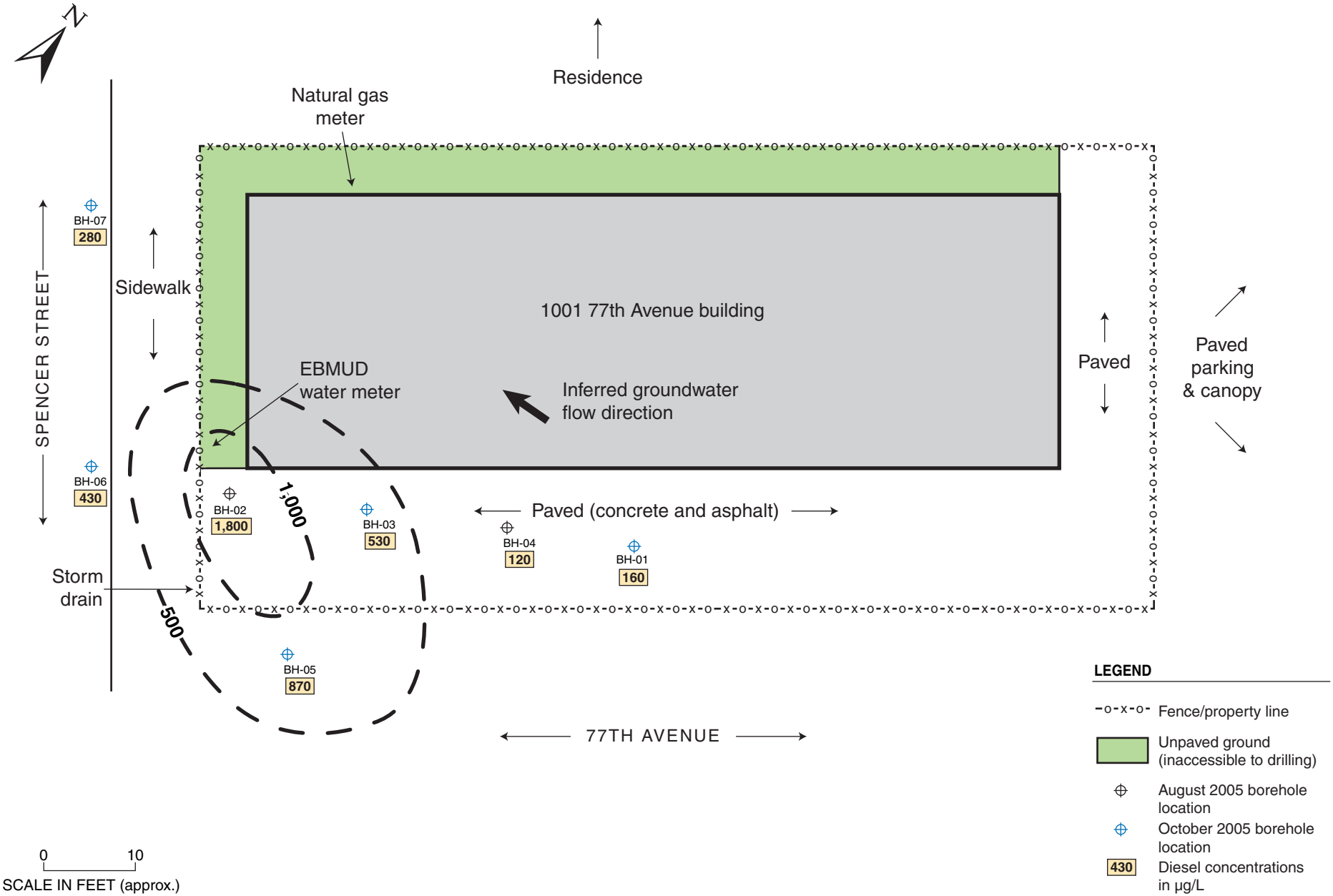
GASOLINE GROUNDWATER ANALYTICAL RESULTS

1001 77th Avenue, Oakland, CA

Figure 3

by: MJC | NOVEMBER 2005

2005-51-08



STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

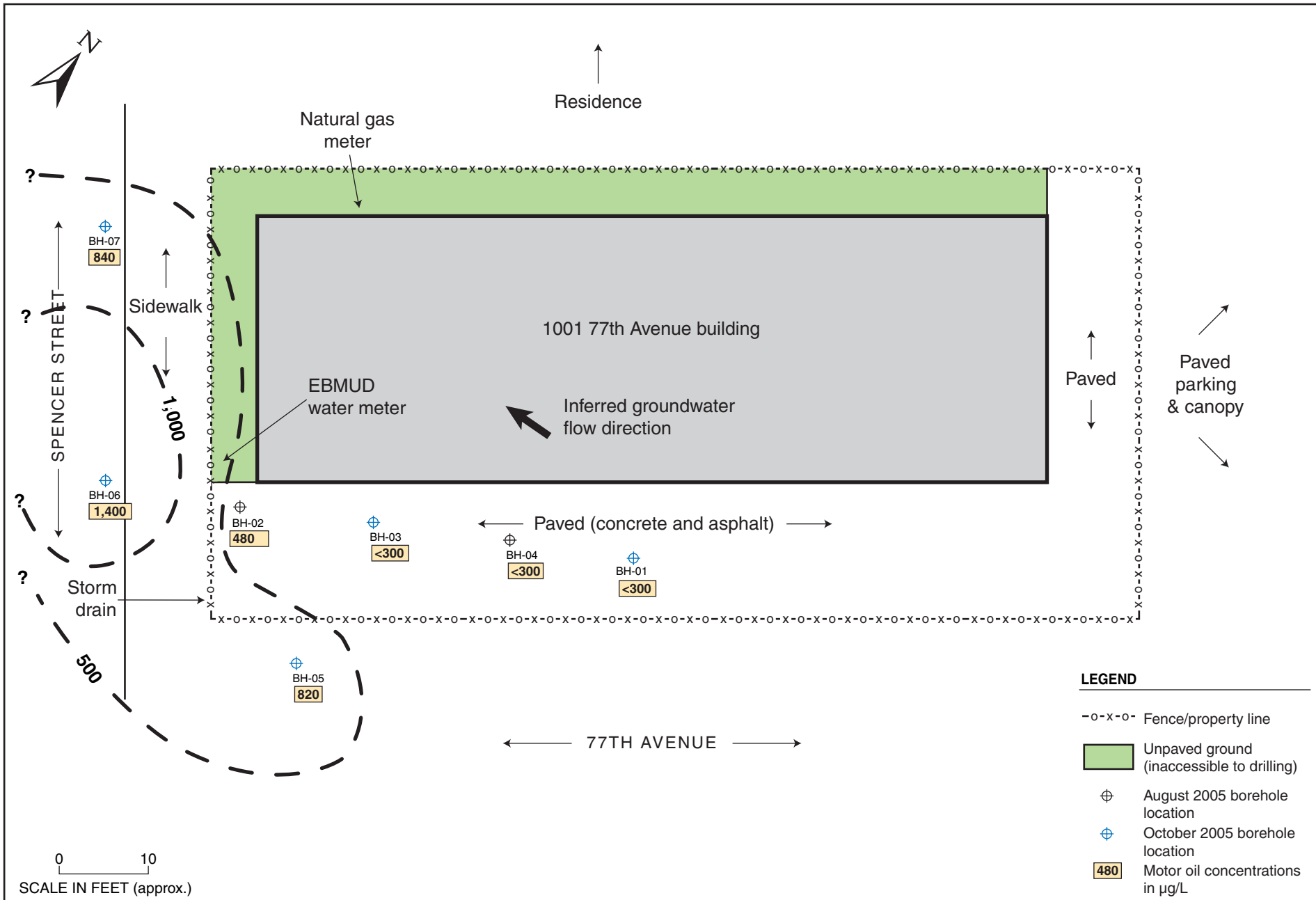
DIESEL GROUNDWATER ANALYTICAL RESULTS

1001 77th Avenue, Oakland, CA

Figure 4

by: MJC | NOVEMBER 2005

2005-51-09



STELLAR ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

MOTOR OIL GROUNDWATER ANALYTICAL RESULTS

1001 77th Avenue, Oakland, CA

Figure 5

by: MJC | NOVEMBER 2005

2005-51-10

The only contaminants detected in groundwater above ESL criteria were xylenes and MTBE. Neither benzene nor toluene were detected, and ethylbenzene was detected only in one sample at a low concentrations.

Metals

Metals concentrations in soil in the two August 2005 boreholes (BH-01 and BH-02) were all below their respective hazardous criteria and ESLs. Chromium was the only metal detected at the potentially hazardous criterion (50 mg/kg), and this standard would apply only if soils were being considered for excavation and disposal. The detected concentrations appear to be representative of background conditions.

Metals concentrations in groundwater in the two August 2005 boreholes (BH-01 and BH-02) were all below their respective drinking water standards. However, three metals concentrations—lead (5.2 μg/L); nickel (70 μg/L); and zinc (110 μg/L)—in the grab-groundwater sample from BH-01 exceeded ESL criteria. None of the metals concentrations from BH-02 exceeded ESLs. Although the BH-01 concentrations are higher than the respective ESLs, this does not necessarily indicate risk to human health and/or the environment (as stated above, ESLs are not specifically cleanup goals).

SITE CONCEPTUAL MODEL

The soil and groundwater chemical data suggest that a source of soil and groundwater petroleum contamination exists somewhere in the southeast corner of the property. The source could be an existing UFST with residual product, and/or residual soil contamination associated with a former UFST. The low to trace concentrations of soil contamination by hydrocarbons does not correlate with the relatively high concentrations of the dissolved fraction of hydrocarbons present in groundwater, but does suggest an onsite (rather than offsite) source for the contamination. It is likely that a zone of higher contaminant concentrations exists in the area bounded by existing boreholes, an approximately 50-foot-long by 20-foot-wide area.

The borehole with maximum soil contamination is BH-05 at the southeast corner of the property. Volatile-range hydrocarbons, extractable-range hydrocarbons, ethylbenzene, and xylenes were detected in this borehole. The hydrocarbon concentrations are below ESL criteria, while the ethylbenzene and xylenes exceed the criteria. Detected contamination in that borehole began at 7 feet bgs (unsaturated zone), was present at similar concentrations at 12 feet bgs (capillary fringe), and were barely above the detection limits at 13 feet bgs (saturated zone) and 15 feet bgs (underlying clay aquitard). While the maximum soil contaminant concentrations detected would not warrant corrective action, it is possible that higher concentrations (and greater contaminant mass) exist in the inferred source area.

The principal contaminants in groundwater are gasoline-, diesel-, and motor oil-range petroleum hydrocarbons. The distribution of these compounds in groundwater suggests that the source area (residual contaminated soil) is likely in the extreme southeast portion of the property, and is contributing to shallow groundwater contamination by desorption during high water periods and westerly (downgradient) migration. Depending on the age and quantity of the release, the contaminant plume in groundwater could have already stabilized (for an older release) or could continue to increase in extent and magnitude. The concentrations present in groundwater suggest that concentrations likely will not decrease by natural attenuation, and will require the implementation of corrective action (i.e., removal of the source area).

5.0 CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

- Seven boreholes were drilled and sampled in two mobilizations, focusing on the downgradient portion of the site. Fifteen soil samples were collected from depths starting at 7 feet bgs (within the unsaturated zone, corresponding to typical UFST base depth) and continuing through the capillary fringe and saturated zone, and into the underlying clay aquitard.
- Shallow soils encountered are typical alluvial deposits. A surficial clay layer is underlain by a more permeable, water-bearing sand and gravel unit, which is underlain by at least 3 feet of non-water-bearing clay. The boreholes did not encounter non-native (backfill) material indicative of a UFST excavation.
- Groundwater appears to occur at depths of approximately 10 and 13 feet bgs, under confining or semi-confining conditions. All boreholes were underlain by a low permeability, non-water-bearing clay aquitard.
- Trace to low concentrations of petroleum hydrocarbons (gasoline, diesel, and motor oil) were detected in multiple borehole soil samples, with the highest concentrations in the borehole located at the southeast corner of the property. The presence of hydrocarbon contamination in unsaturated zone soil samples suggests an onsite release (rather than migration onto the site from an upgradient source). The relatively low soil contaminant concentrations do not correlate with the elevated dissolved contaminant concentrations, suggesting that existing site boreholes have not intercepted the inferred zone of higher soil contamination (former UFST excavation).
- The primary contaminants detected in site groundwater are also gasoline, diesel, and motor oil, which all exceed their Water Board ESL criteria. Contaminant distribution in groundwater suggests a contaminant source area in the southeastern portion of the property, with contamination extending to the west, following the inferred local groundwater flow direction. Groundwater contamination extends offsite to the west an unknown distance, although likely less than 100 feet. Neither aromatic hydrocarbons, methyl tertiary-butyl ether, nor metals appear to be present in soil or groundwater at concentrations of concern.

- Contamination detected in soil and groundwater samples are indicative of a UFST release of both volatile-range and extractable-range petroleum hydrocarbons. Continued groundwater degradation will occur unless the source area (contaminated soil and/or UFST) is removed. Removing the contaminant source will decrease the time required to achieve regulatory site closure.

OPINION AND RECOMMENDATIONS

- Recommended regulatory action to achieve site closure (or a no-further-action finding) at a UFST leakage site with enough residual contamination to cause dissolved petroleum in groundwater above the regulatory ESLs involves removal of the contamination source area. In this case, the required action would be removal of the UFST(s) or the remaining contaminated backfill in the former UFST area.
- SES recommends a magnetometer survey to confirm whether there is in fact an existing UFST. If a UFST is found, it should be removed and soils corrective action (excavation and disposal) should be conducted to the extent practical. If a UFST is not found, Acts Community Development should consider whether additional investigation and/or corrective action should be conducted to minimize environmental liability, in conjunction with addressing Alameda County Environmental Health Department (Alameda County Health) requirements.
- Because the groundwater concentrations constitute a contaminant release, this report should be submitted to Alameda County Health. Based on the data, it is likely that Alameda County Health will determine that the site meets the criteria for formal listing as a UFST release. It is also likely that Alameda County Health will require additional site characterization (either additional borehole sampling and/or groundwater monitoring well installation and periodic monitoring). Site listing by Alameda County Health will also trigger the requirement to upload electronic data from the previous and future investigations to the State Water Resources Control Board "Geotracker" database and Alameda County Health's Electronic Report Upload "ftp" system.
- As a cost-savings measure, we recommend that the non-hazardous waste soil (drill cuttings) be held onsite until it is determined that no additional drilling will be conducted.

6.0 LIMITATIONS

This report has been prepared for the exclusive use of Acts Community Development, Acts Full Gospel Church, Global Real Estate, the regulators, and their authorized representatives and/or assigns. No reliance on this report shall be made by anyone other than those for whom it was prepared.

The findings and conclusions presented in this report are based solely on the findings of the August and October 2005 drilling investigations conducted by SES, and our review of previous site assessment reports. This report provides neither a certification nor guarantee that the property is free of hazardous substance contamination. This report has been prepared in accordance with generally accepted methodologies and standards of practice. The SES personnel who performed this investigation are qualified to perform such investigations and have accurately reported the information available, but cannot attest to the validity of that information. No warranty, expressed or implied, is made as to the findings, conclusions, and recommendations included in the report.

The findings of this report are valid as of the present. Site conditions may change with the passage of time, natural processes, or human intervention, which can invalidate the findings and conclusions presented in this report. As such, this report should be considered a reflection of the current site conditions as based on the investigation and remediation completed.

7.0 REFERENCES

Basics Environmental, 2005a. Environmental Transaction Screen – 1001 77th Avenue, Oakland, California. June 30.

Basics Environmental, 2005b. Local Regulatory Agency File Review (letter report) – 1001 77th Avenue, Oakland, California. July 8.

APPENDIX A

Sanborn Fire Insurance Maps and City of Oakland Fire Department Records

"Linking Technology with Tradition"®

Sanborn® Map Transmittal

Ship To: Bruce Rucker
Stellar Enviro Solutions
2198 6th Street
Berkeley, CA 94710

Order Date: 8/3/2005 **Completion Date:** 8/3/2005
Inquiry #: 1479859.1S
P.O. #: 2005-51
Site Name: Former Collins & Collins Auto
Address: 1077 77th Avenue
City/State: Oakland, CA 94621
Cross Streets:

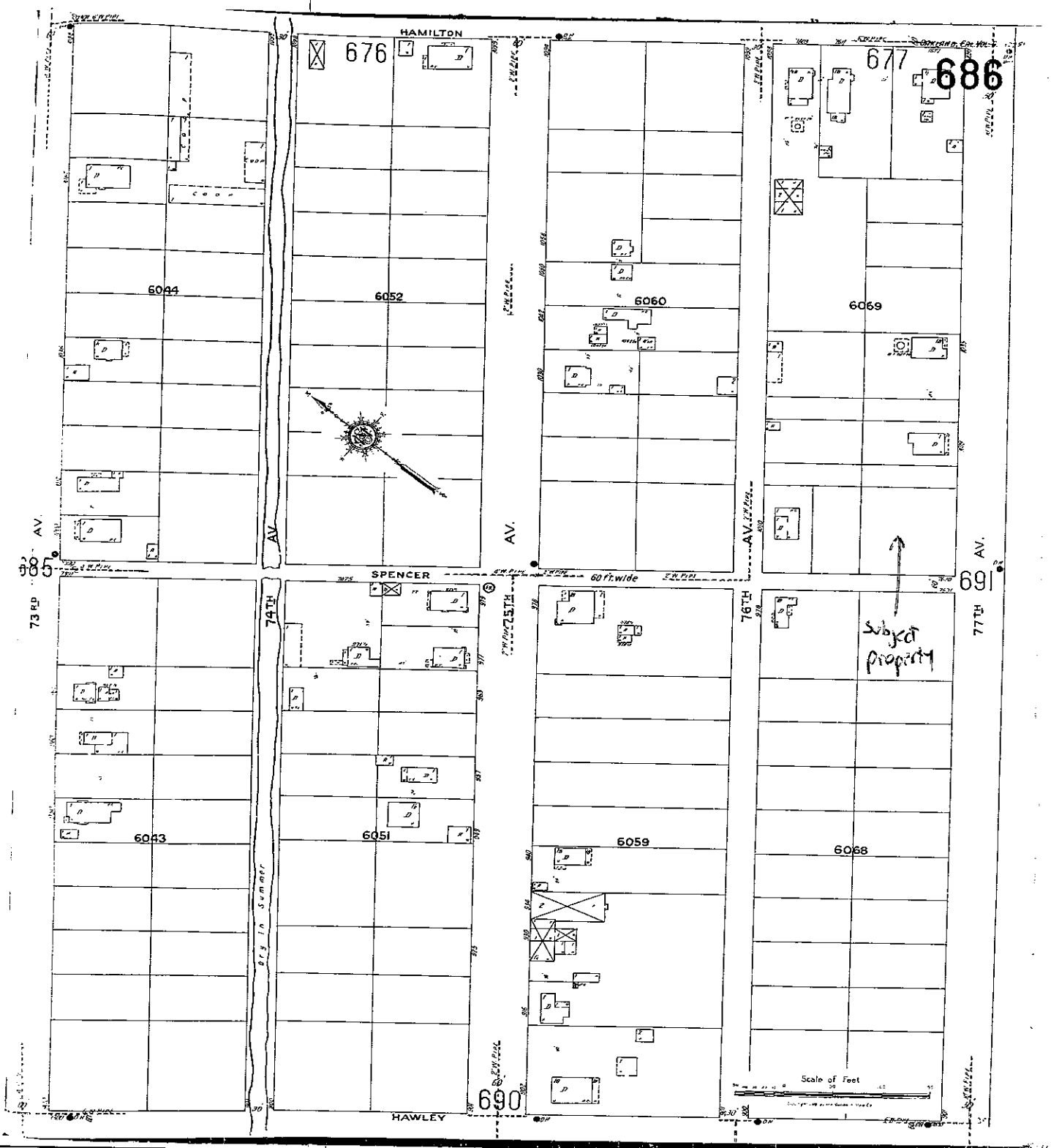
Customer Project: 2005-51
1014106VLA 510-644-3123

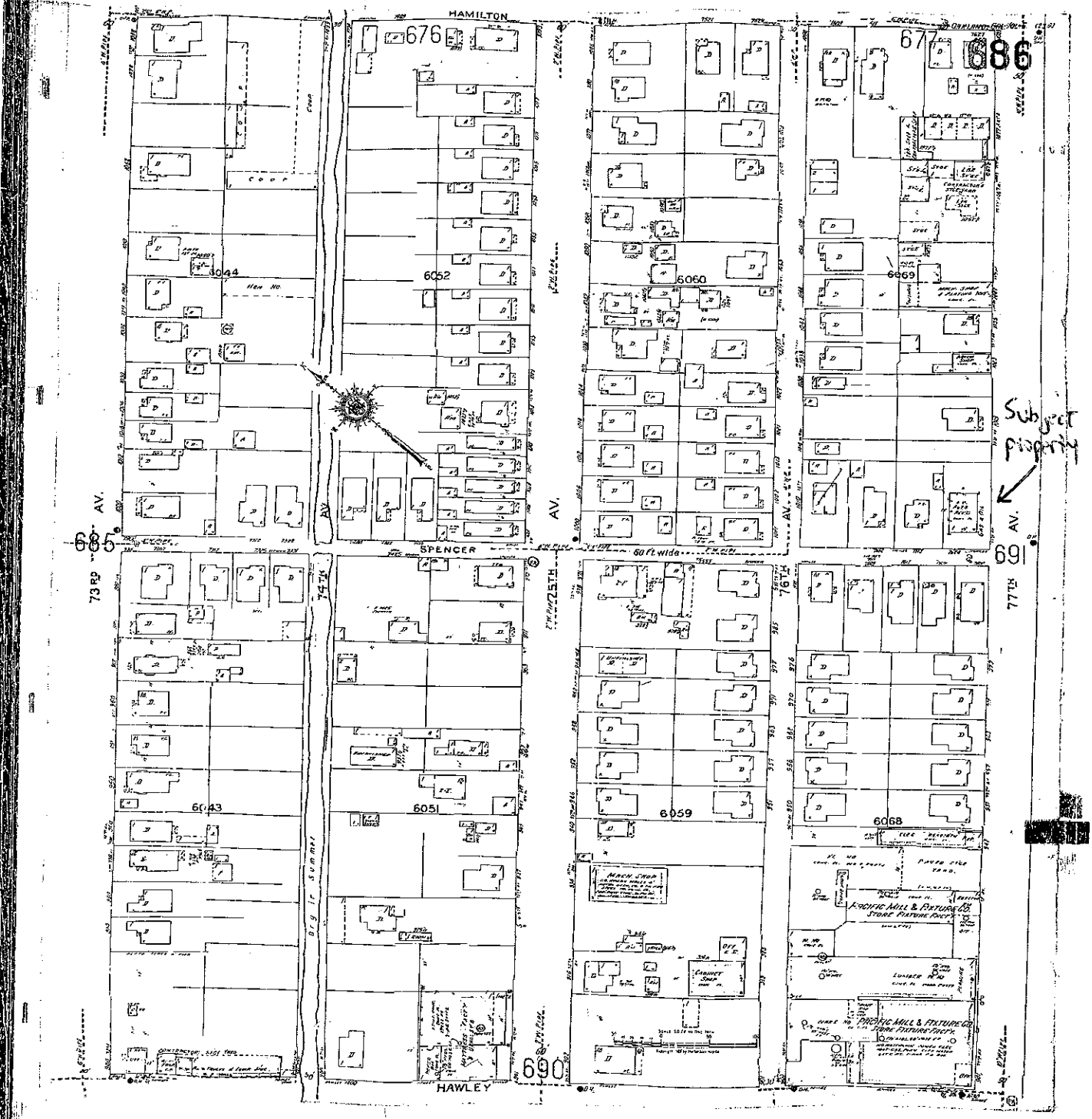
Based on client-supplied information, fire insurance maps for the following years were identified

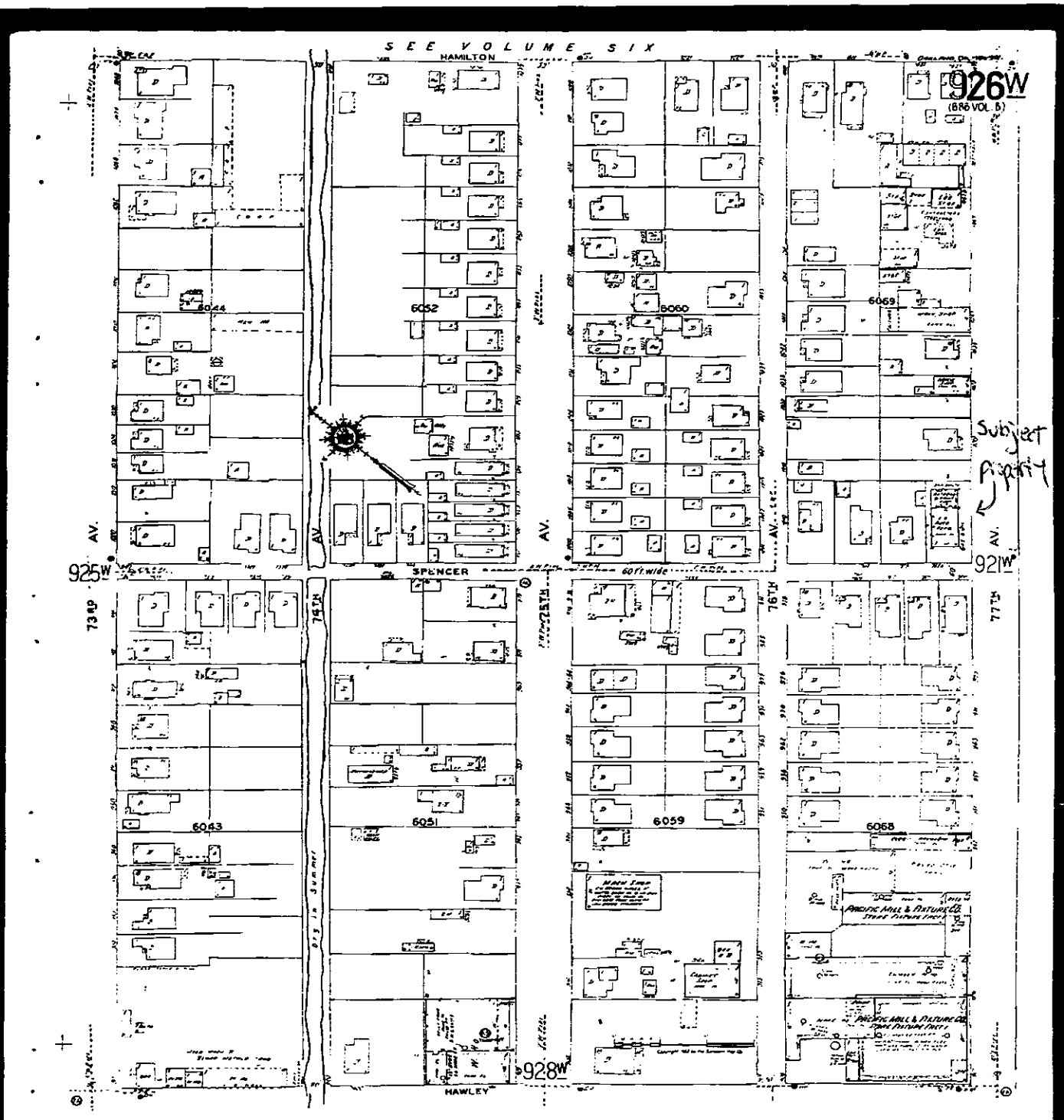
1925 - 2 Maps
1950 - 2 Maps
1952 - 2 Maps
1960 - 2 Maps
1965 - 2 Maps
1968 - 2 Maps
1969 - 2 Maps

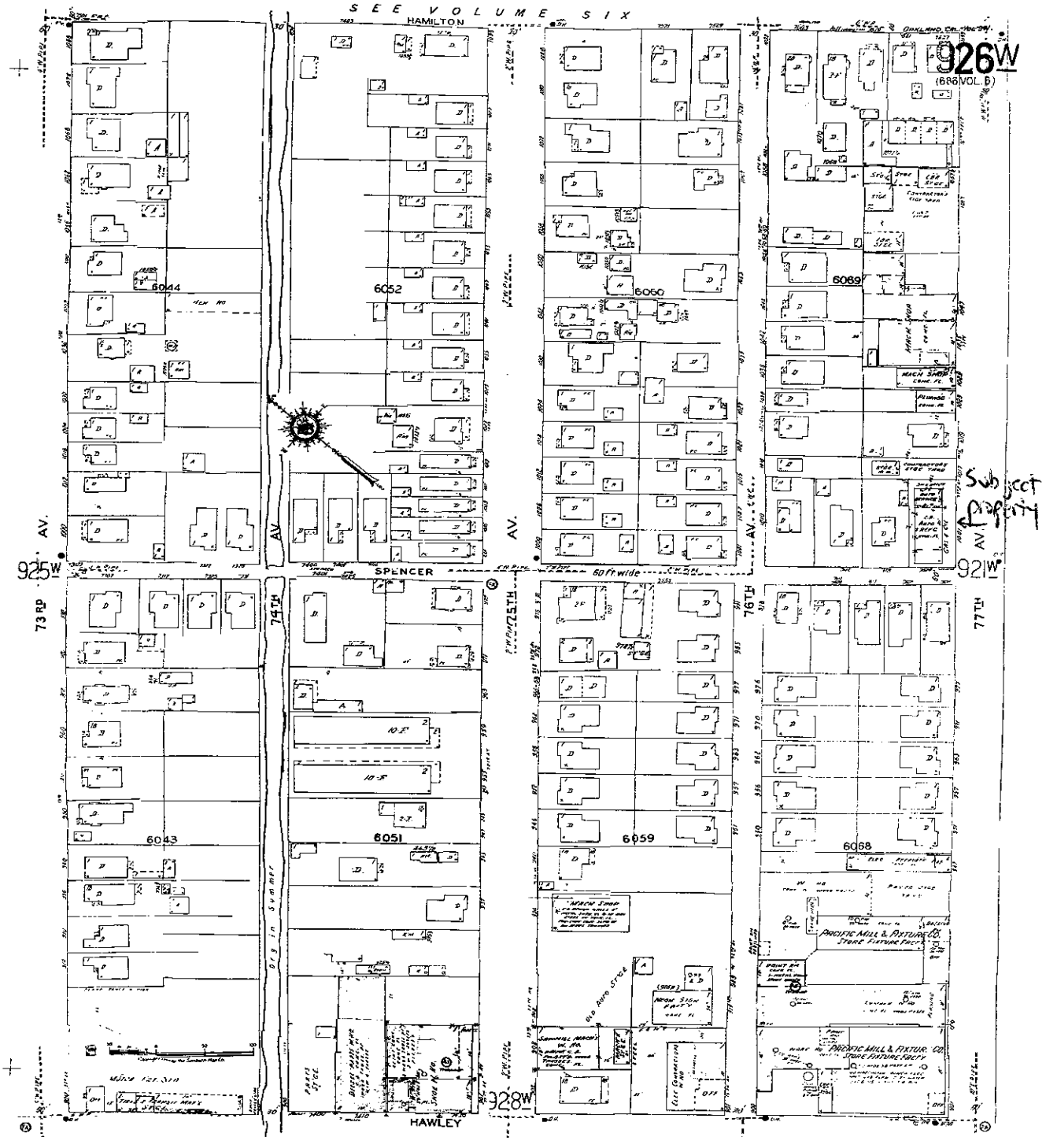
Limited Permission to Photocopy Total Maps: 14

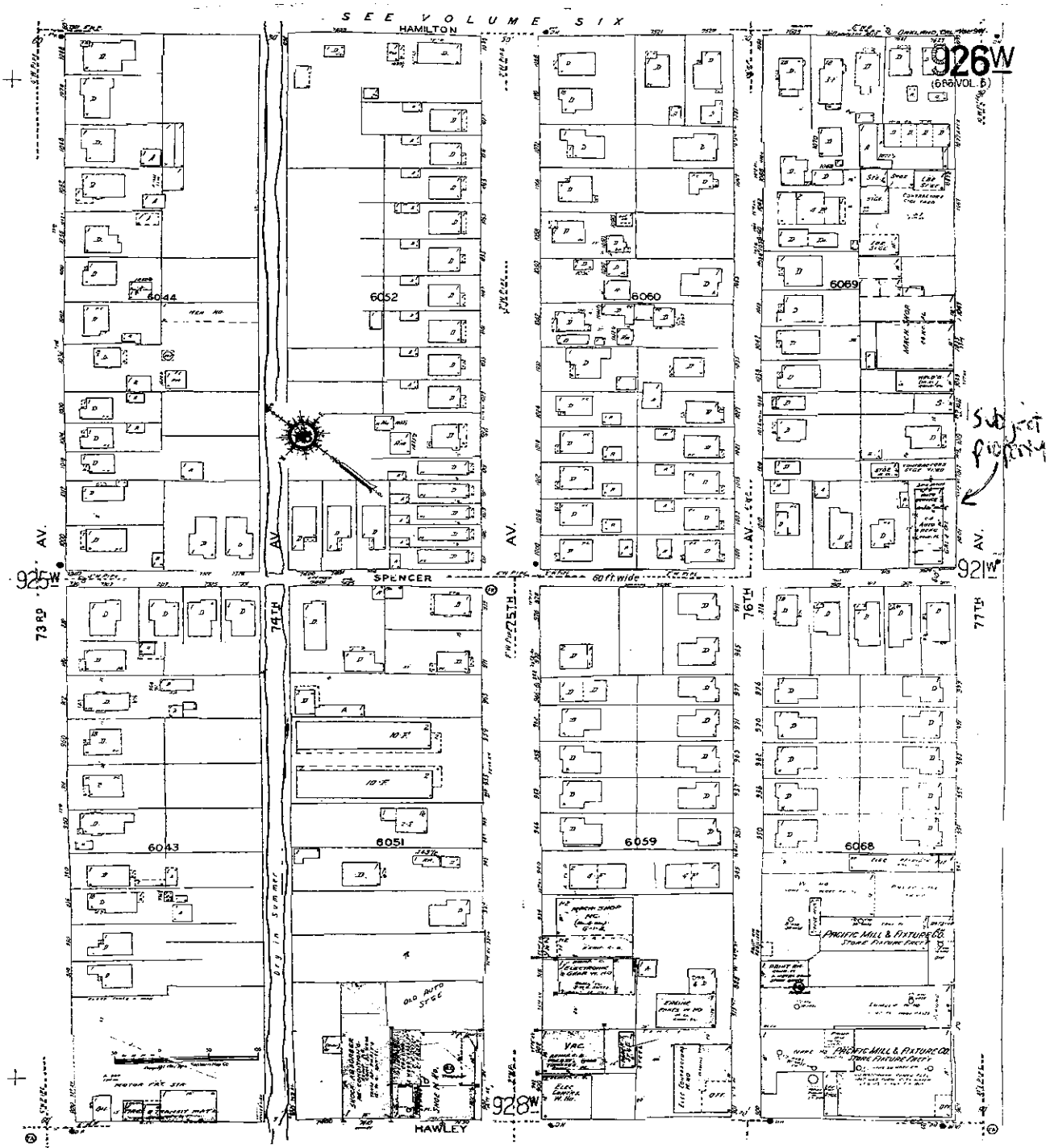
Stellar Enviro Solutions (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

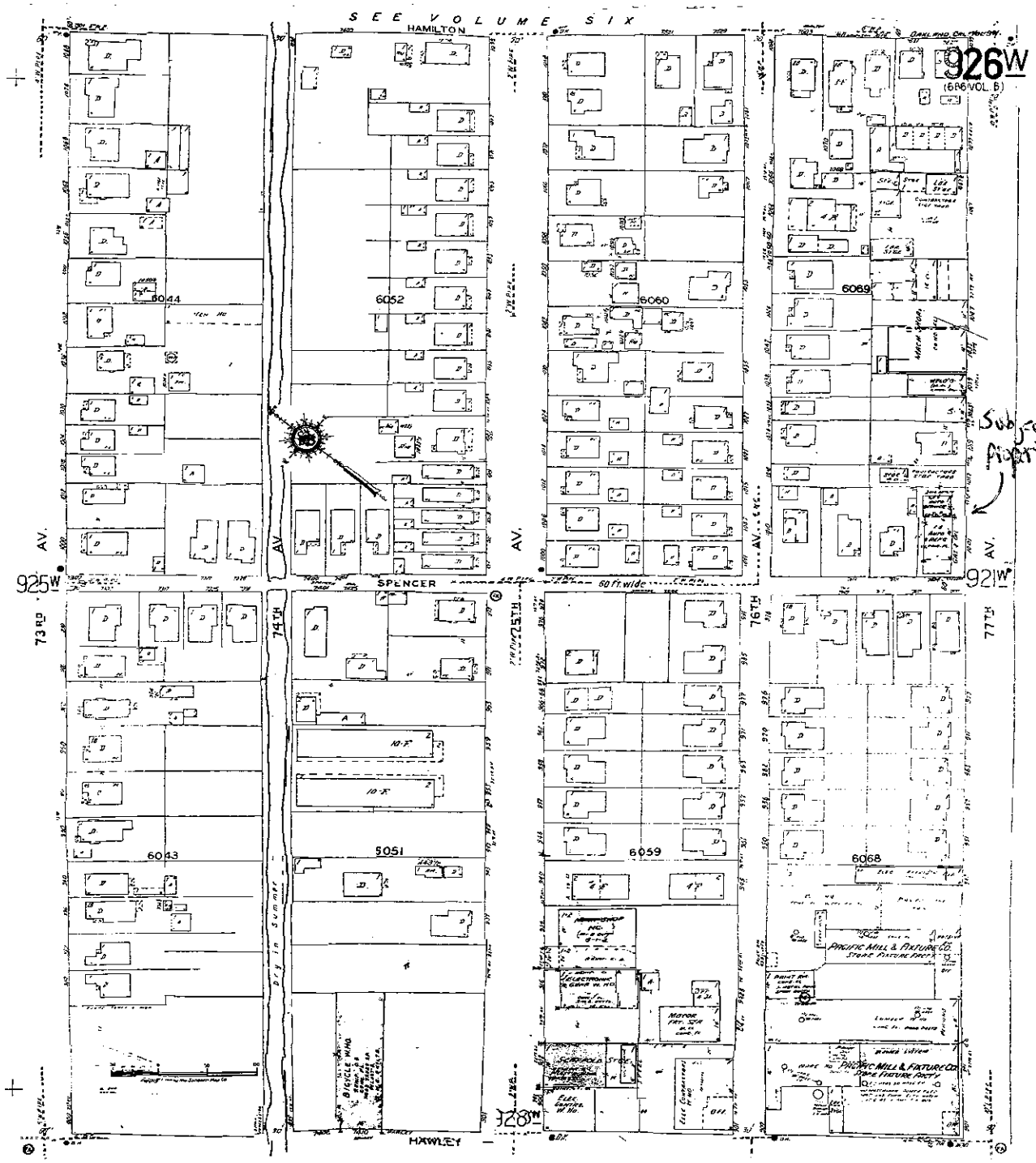


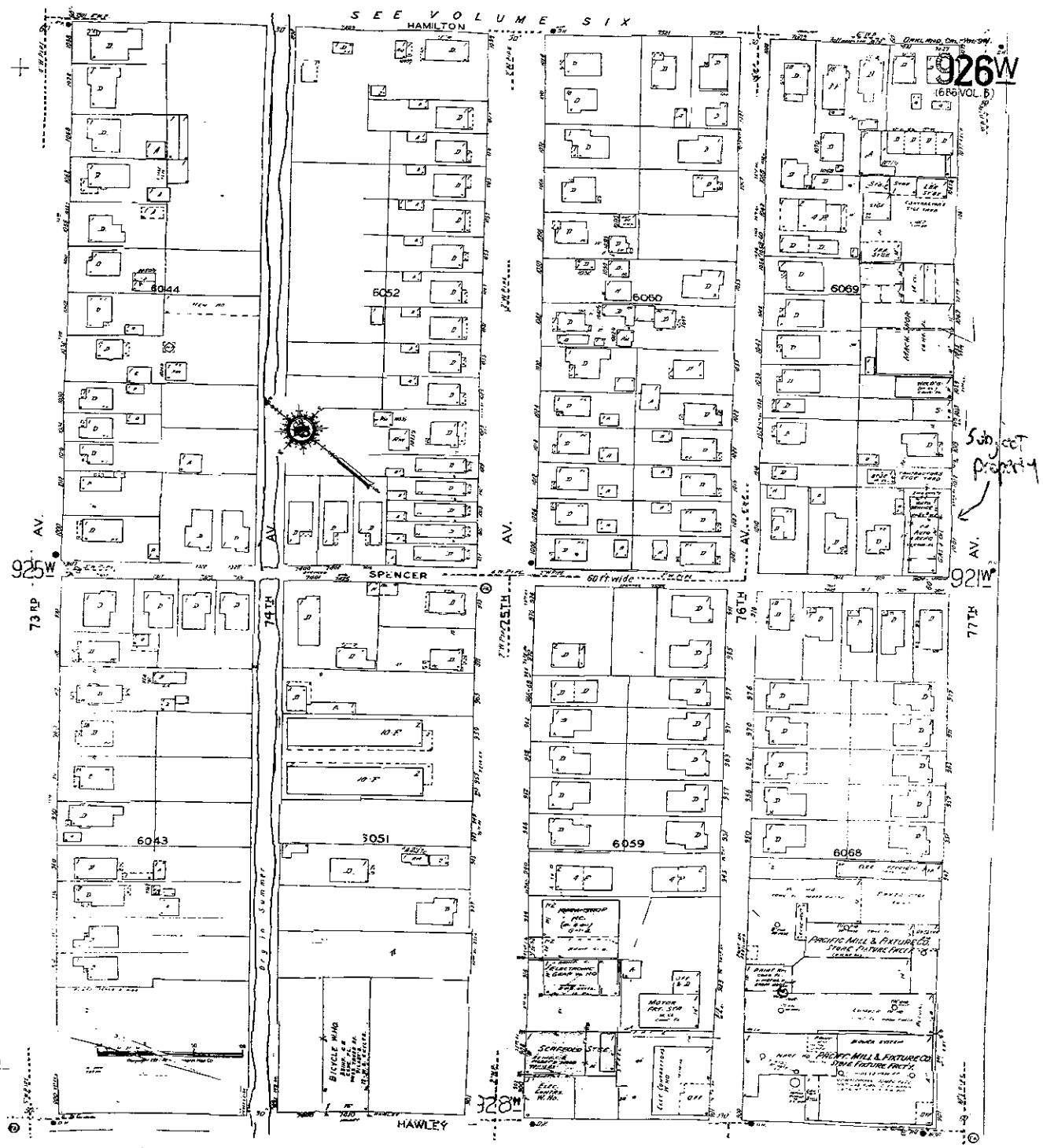












ALAMEDA COUNTY/ENVIRONMENTAL HEALTH SERVICES

BILLING INQUIRY FORM

DATE: 4-29-97 PACKET # TD970423

TO: Don Hwang

FROM: BILLING UNIT -- CANDYCE KELLY [redacted] VATEY SENG TRISHAE' DOTSON TD

Please be advised that the Billing Unit has received an inquiry on the account indicated below.

SITE/BUSINESS NAME: Collins / Collins Auto Repair

SITE/BUSINESS ADDRESS: 1001 77th Ave. Oakland

BILLING ACCOUNT # H31227 MFR # _____ ZIP CODE: 94621

PROBLEM: Mail returned — forwarding order expired

Please indicate the appropriate action to be taken. Please complete the following information in order to substantiate or reflect the above problem. In order to complete our billing procedure and to assist the client in a timely manner, it is necessary to request that *this complete document be returned to the Billing Unit within ten (10) working days.*

V Has business closed permanently? * yes If yes, when? 1/5/94 inspection

V Is there a new owner? * ? When did this occur? _____ Who is it? _____

V Is there a new or updated mailing address? ? What is it? _____

V Has business moved? ? When? _____ What is the new location (if in Alameda County)?

_____

____ Is there a change in the E.U. # (status) or the charge code?* _____ If yes, please indicate below :

# of employees	from: _____	to: _____
# of tanks	from: _____	to: _____
E.U. #	from: _____	to: _____
E.U. #	from: _____	to: _____
HMBP volume	from: _____	to: _____
Med. Waste type	from: _____	to: _____

Thank you for your prompt attention to this matter.

INSPECTOR SIGNATURE Don Hwang DATE 4/30/97 1/5/94

** Permit application/service form or billing adjustment form is needed*

VS\INQ_FORM.DOC (12/96)

kt 5/13/97

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 5257 Site Name Collins + Collins Inc Today's Date 1/8/91

Site Address 1001 - 77th Ave EPA ID# ______

City Oak Zip 94621 Phone 568-4055

MAX Amt. Stored > 500lbs/55g/200cf? (Y) N
Hazardous Waste generated per month?

Inspection Categories:
✓ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	Item	Code
	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26189.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Aisle Space	67124
	16. Local Authority	67126
	17. Maintenance	67120
	18. Training	67105
Contingency	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Trng.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank Inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	Item	Code
	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'd	40. Name/ Covers	66545
	41. Recyclables	66800

Comments:

Auto repair shop!

(1) Generates waste oil - have an approx 150 gallon above ground tank which is gravity fed from w/i building. Performing some ~~[illegible]~~ MIG welding

(2) Have a Solvent Cleaning tank serviced by Safety Kleen every 2 weeks

(3) No radiator work done
Don't sell batteries
- Brake ~~one~~ returned to parts supplier

(4) Have 1-55 gal drum fresh motor oil
Have 1-16 gal Transmission fluid
- Label drum "waste oil" or "Hazardous Waste"
- Waste oil should be disposed/recycled minimally once/year.
- Receipts for waste pick-up should be kept on site for 3 yrs
- Waste Oil is currently being picked up by Artesian Oil Co.

-6/88

Contact: Percy Collins
Title: owner
Signature: [signature]

Inspector: B. Chan
Signature: ______

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
#415/271-4320

FACILITY QUESTIONNAIRE

GENERAL INFORMATION

1. Establishment Name: Cullens + Cullens Inc
2. Site Address: 1001 - 77th Ave
   City Oak Zip 94621
3. Mailing Address (if different): _____
   City _____ Zip _____
4. Contact Person: Mr Percy Cullens Phone: 568-4045
5. Owner Name: Dan Usting Owner Phone: _____
6. Name of Previous Owner: _____
7. Date you assumed business: 1984
8. Std. Industrial Classification (SIC) 7538
9. Type of Business: Auto Repair
10. Number of Employees: 4
11. EPA ID #: _____

PERMITS

Check if you have permits from any of the following:

Local Agencies

12. [ ] Local Sewer District (industrial waste discharges)
    Name of District _____
13. [ ] City or Local Fire Dept. (Underground tanks, storage)
    Name of City or Dept. _____
    Type of Permit _____
14. [ ] Alameda County Dept. of Health (Underground tanks)
15. [ ] S.F. Regional Water Quality Management District
16. [ ] Bay Area Air Quality Management District

CALIFORNIA Department of Health Services:

17. [ ] Treatment, Storage, Disposal Facility
18. [ ] Hazardous Waste Hauler

County Use Only

#3257 Site ID
[ ]1 Entry [ ]2

Alameda County, HazMat Generator Questionnaire Site ID No: _____

OTHER

Please check if the following applies at your facility:

19. [ ] Acutely hazardous materials are handled (Attachment 1)
20. [ ] More than 500 lbs, 55 gal. or 200 cu. ft. of hazardous materials are handled (per year?) (See attachment 2)
21. [ ] Hazardous materials are contained in underground tanks or sumps.
22. [ ] You have submitted a business plan to the Alameda County Division of Hazardous Materials under California Health & Safety Code, Chapter 6.95.

23. Which of the following categories of hazardous materials are handled at your facility:
[✓] Toxic [ ] Corrosive [✓] Flammable [ ] Reactive

24. LIST OF CHEMICALS HANDLED

Please list the County Inventory Numbers (CIN) or Chemical Abstract Service (CAS) numbers of any of the hazardous chemicals that you handle. CIN numbers have been assigned to the more commonly used hazardous chemicals. If CAS numbers are used, please precede each number with an asterisk (*).

Waste oil (940)	[redacted]			
fresh oil	dryer			
Cleaning Solvent (823)				
transmission fluid (1022)				
[redacted]				

CERTIFICATION

I hereby certify that the information on this form is, to the best of my knowledge, true and complete.

25. [signature] Signature — Percy Collins Typed or Printed Name

26. Owner Title — 1/8/91 Date

Please return completed form to: Department of Environmental Health
Hazardous Materials Division

3/88
mam

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

I

Site ID# 3257 Site Name Collins + Collins Today's Date 1/5/94

Site Address 1001 77th AVE EPA ID# _____

City OAKland Zip 94621 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66495
Manifest	6. Records	66492
	7. Correct	66484
	8. Copy sent	66492
	9. Exception	66484
	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
	12. On-site Disp. (H.S.&C.)	26100.5
	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
	15. Alarm System	67124
	16. Local Authority	67126
	17. Maintenance	67122
	18. Training	67105
Contingency	19. Prepared	67140
	20. Name List	67141
	21. Copies	67141
	22. Emg. Coord. Img.	67144
Containers, Tanks	23. Condition	67241
	24. Compatibility	67242
	25. Maintenance	67243
	26. Inspection	67244
	27. Buffer Zone	67246
	28. Tank Inspection	67259
	29. Containment	67245
	30. Safe Storage	67261
	31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
	36. EPA ID #s	66531
	37. Correct	66541
	38. HW Delivery	66543
	39. Records	66544
Cont'ts	40. Name/ Covers	66545
	41. Recyclables	66800

Comments: Storm Water

This facility Appears Closed

I

Rev 6/88

Contact: _____

Title: _____

Signature: _____

Inspector: Jeff Hazen

Signature: _____

APPENDIX B

Drilling-Related Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/07/2005 By suel **Receipt Number: WR2005-2140**
Permits Issued: W2005-0987 **Permits Valid from 10/19/2005 to 10/19/2005**

Application Id: 1128722516076 **City of Project Site:** Oakland
Site Location: 1001 77th St, Oakland 94621
Project Start Date: 10/19/2005 **Completion Date:** 10/19/2005

Applicant: Stellar Environmental Solutions Inc - Bruce Rucker **Phone:** 510-644-3123
2198 6th Sr #201, Berkeley, CA 94710
Property Owner: Acts Community Development **Phone:** 510-639-4658
1034 66th Ave, Oakland, CA 94621
Client: ** same as Property Owner **
Contact: Joseph Dinan **Phone:** 510-644-3123
Cell: --

Total Due: $200.00
Total Amount Paid: $200.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 5 Boreholes
Driller: EnProb Environmental Probing - Lic #: 777007 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-0987	10/07/2005	01/17/2006	5	2.00 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Applicant shall contact George Bolton for a inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

4. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site, shall result in a fine of $500.00.

5. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

6. Prior to any drilling activities into any public rights-of-way, it shall be the applicant's responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or

detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

7. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 1001 77TH AV Parcel# 041 -4142-038-00 Appl# X0501113

Descr soil boring on 77th Av Permit Issued 10/07/05

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	ACTS FULL GOSPEL CHURCH				
Contractor	ENPROB ENVIRONMENTAL PROBING	X	(530)589-2019	777007	C57
Arch/Engr					
Agent	STELLAR ENVIRO/JOE DINAN		(510)644-3123		
Applic Addr	P O BOX 6093, OROVILLE, CA, 95966				

$411.96 TOTAL FEES PAID AT ISSUANCE

$59.00	Applic	$300.00	Permit
$.00	Process	$34.11	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.85	Tech Enh

JOB SITE

ADDRESS:

DIST:

CITY OF OAKLAND
Community & Economic Development Agency
250 Frank H. Ogawa Pl, Oakland CA, 94612
Phone: (510)238-3587 FAX: (510)238-2263

PAYMENT RECEIPT

Application#: X0501113 Payment#: 001

APPLICATION FEE	$59.00
EXCAVATION PERMIT	$300.00
RECORDS MANAGEMENT FEE (	$34.11
TECHNOLOGY ENHANCEMENT FE	$18.85
Subtotal:	$411.96

Application#: X0501114 Payment#: 001

APPLICATION FEE	$59.00
EXCAVATION PERMIT	$300.00
RECORDS MANAGEMENT FEE (	$34.11
TECHNOLOGY ENHANCEMENT FE	$18.85
Subtotal:	$411.96

Sales Tax:	$.00
****** TOTAL PAID:	$823.92

Check Payment: $823.92

Payor: STELLAR ENVIRON.#4969
Date: 10/07/05 Time: 10:45:26
By: ANL Register 003 Receipt# 099951

ORIGINAL RECEIPT REQUIRED FOR REFUND

Date: 10/07/05 Amt Paid: $823.92
By: ANL Register 003 Receipt# 099951

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X0501113	1001 77th Avenue
APPROX. START DATE: Oct 19, 2005 / APPROX. END DATE: Oct 19, 2005	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): (510) 644-3123
CONTRACTOR'S LICENSE # AND CLASS: C-57 777007	CITY BUSINESS TAX #: 3222462

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # 356759

2- 48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee [X] Agent for ☐ Contractor ☐ Owner — Date: Oct 7, 2005

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☒ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☒ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☒ NO
ISSUED BY: Ø		DATE ISSUED: APPROVED	

forms/engineering.pm7 (04/98)

APPENDIX C

Photodocumentation

Subject: View west, across 77th Avenue, of drill rig set up at drilling location BH-04.	
Site: 1001 77th Avenue, Oakland, CA	
Date Taken: October 19, 2005	Project No.: SES 2005-51
Photographer: Joe Dinan	Photo No.: 01

Subject: View south, across Spencer Street, of drill rig set up at drilling location BH-07.	
Site: 1001 77th Avenue, Oakland, CA	
Date Taken: October 19, 2005	Project No.: SES 2005-51
Photographer: Joe Dinan	Photo No.: 02

Subject: View south, across Spencer Street, showing borehole locations BH-07 (at left) and BH-06 (at right).	
Site: 1001 77th Avenue, Oakland, CA	
Date Taken: October 19, 2005	Project No.: SES 2005-51
Photographer: Joe Dinan	Photo No.: 03

Subject: Grouting borehole BH-06 in Spencer Street.	
Site: 1001 77th Avenue, Oakland, CA	
Date Taken: October 19, 2005	Project No.: SES 2005-51
Photographer: Joe Dinan	Photo No.: 04

APPENDIX D

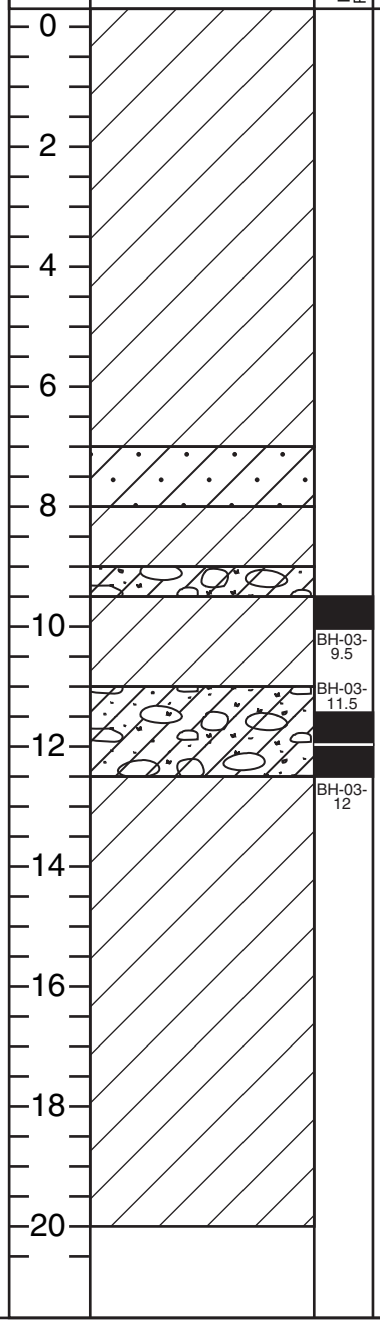
Borehole Geologic Logs

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-03 Page 1 of 1

PROJECT Acts Church Phase III
OWNER Acts Community Development
LOCATION 1001 77th Ave., Oakland, CA
PROJECT NUMBER 2005-51
TOTAL DEPTH 20 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED 12 feet bgs
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe Direct Push
DRILLER Jeff Edwards
GEOLOGIST J. Dinan
DATE DRILLED 10/19/2005



DEPTH (feet)	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION v	REMARKS
0				Concrete	
				Black clay (CL), med. stiff, med. cohesive, sl. moist	
6				5" Becomes stiff with minor gravels	
				6' Color change to brown with green mottling	
8				6.5' Brown sandy clay (CL), cohesive, moist	▼ 7.25' bgs
				7' Bluegray clayey sand (SC), friable, moist	9.5' bgs - petroleum odor
10	BH-03-9.5			8' Bluegray sandy clay (CL), minor subangular gravels, sl. moist, cohesive	
	BH-03-11.5			8.5' Becomes stiff silty clay (CL)	11' bgs - odor absent
12				9' Clayey gravel (GC), poorly sorted, sub-rounded, very stiff	▽ 12' bgs
	BH-03-12			9.5 Green silty clay (CL), stiff, sl. moist, cohesive	
16				11' Clayey gravel (GC), poorly sorted, moist, sl. cohesive, friable, sub-rounded gravels	
				12' Saturated color change to orange	
18				12.5' Brown silty clay (CL), stiff, saturated, minor gravels	
20				20' Bottom of borehole	

2005-51-03

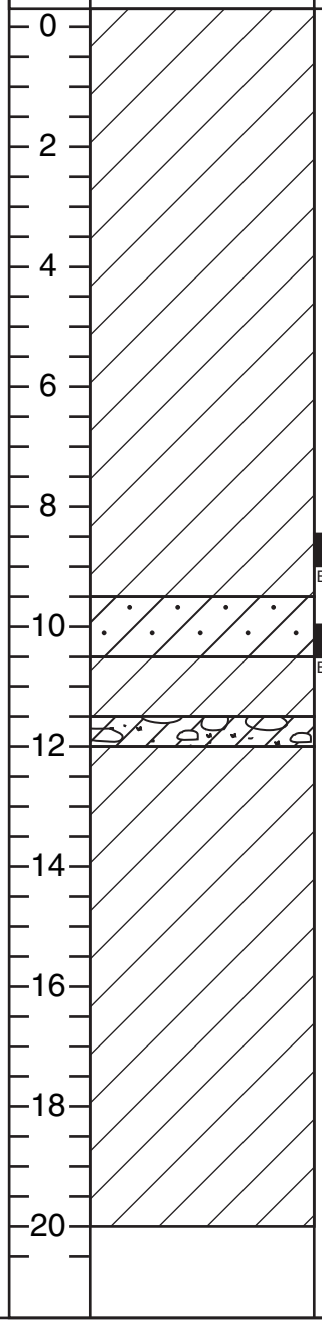
▽ First encountered groundwater ▼ Equilibrated groundwater level

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-04 Page 1 of 1

PROJECT Acts Church Phase III
OWNER Acts Community Development
LOCATION 1001 77th Ave., Oakland, CA
PROJECT NUMBER 2005-51
TOTAL DEPTH 20 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED 9.5 feet bgs
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe Direct Push
DRILLER Jeff Edwards
GEOLOGIST B. Rucker
DATE DRILLED 10/19/2005



DEPTH (feet)	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0				Concrete	
				Black clay(CL), med. stiff, mod. cohesive, sl. moist	
4				4' Color change to brown with green mottling, minor small gravels, stiff, sl. cohesive	
6				5' Gravel absent	▼ 6.8' bgs
8				8.5' Gravelly clay, gravels are small and subrounded ~30-40%, sl. moist	▽ 9.5' bgs
10	BH-04-8.5'			9.5' Brown clayey sand (SC), poorly sorted, occ. small gravel, sl. cohesive, wet	
	BH-04-10'			10.5' Brown sandy clay (CL), occ. small gravel, sl. moist, sl. cohesive, stiff	
12				11.5 Grades to clayey gravel (GC), poorly sorted, small gravel, stiff, sl. friable, sl. moist	
				12' Brown silty clay(CL), med. soft, cohesive, moist	
14				15' Becomes stiff	
16				16.5' Becomes dark brown in color	
				17' Dark brown sandy clay (CL), stiff, cohesive, sl. moist	
18					
20				20' Bottom of borehole	

2005-51-04

▽ First encountered groundwater ▼ Equilibrated groundwater level

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-06 Page 1 of 1

PROJECT Acts Church Phase III
OWNER Acts Community Development
LOCATION 1001 77th Ave., Oakland, CA
PROJECT NUMBER 2005-51
TOTAL DEPTH 15 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED 8 feet bgs
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe Direct Push
DRILLER Jeff Edwards
GEOLOGIST J. Dinan
DATE DRILLED 10/19/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Concrete	
2					Gray gravelly clay (CL), angular gravels, soft, cohesive, sl. moist	
4					4'-6' No recovery	
6					6' Gray gravelly clay (CL), angular gravels, soft, cohesive, sl. moist	▼ 5.3' bgs
8		BH-06-7.5'			7' Gray clayey gravel (GC), poorly sorted, sl. cohesive, moist	▽ 8' bgs
					8' Color change to brown, saturated	
10					8.5' Brown sandy clay (CL), stiff, cohesive, moist, minor subangular gravels	
					10' Brown clayey gravel (GC), Wet, subrounded	
12					10.5' Brown sandy clay (CL), minor gravels, subangular, cohesive, moist	
14					11' Gravels absent	
16					15' Bottom of borehole	
18						
20						

2005-51-05

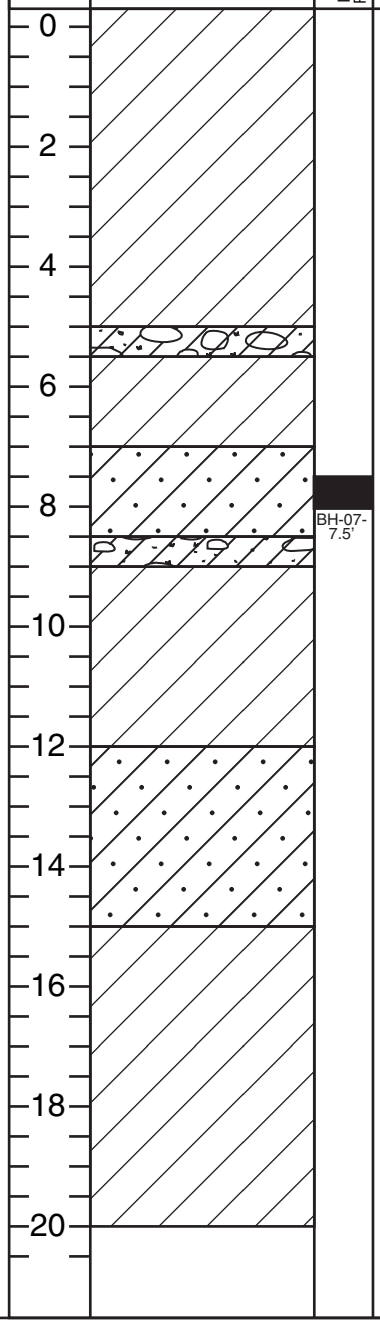
▽ First encountered groundwater ▼ Equilibrated groundwater level

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-07 Page 1 of 1

PROJECT Acts Church Phase III
OWNER Acts Community Development
LOCATION 1001 77th Ave., Oakland, CA
PROJECT NUMBER 2005-51
TOTAL DEPTH 20 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED 8 feet bgs
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe Direct Push
DRILLER Jeff Edwards
GEOLOGIST J. Dinan
DATE DRILLED 10/19/2005



DEPTH (feet)	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0				Asphalt	
				Brown sandy clay (CL), minor subangular gravels, cohesive, sl. friable, med. stiff	
4				4' Gravels absent, becomes stiff	
5.4				5' Brown clayey gravel (GC), sl. moist	▼ 5.4' bgs
				5.5' Brown sandy clay (CL), well sorted sand, stiff	
8	BH-07-7.5'			6.5' Becomes poorly sorted sand, increasing moisture	▽ 8' bgs
				7' Brown clayey sand (SC), moist, sl. cohesive, poorly sorted	
				8' Saturated, subangular gravels present	
				8.5' Brown clayey gravel (GC), poorly sorted, saturated, cohesive, subangular gravels	
				9' Brown silty clay (CL), stiff, cohesive, sl. moist	
				10.5' Minor gravels present	
				12' Brown clayey sand (SC), poorly sorted, saturated, loose, green mottling	
				15' Brown silty clay (CL), stiff, cohesive, sl. moist	
20				20' Bottom of borehole	

▽ First encountered groundwater ▼ Equilibrated groundwater level

2005-51-06

STELLAR
ENVIRONMENTAL SOLUTIONS, INC
GEOSCIENCE & ENGINEERING CONSULTING

Soil Boring Log

BORING NUMBER BH-05 Page 1 of 1

PROJECT Acts Church Phase III
OWNER Acts Community Development
LOCATION 1001 77th Ave., Oakland, CA
PROJECT NUMBER 2005-51
TOTAL DEPTH 20 feet
BOREHOLE DIA. 2 inch
SURFACE ELEV. Unknown
WATER FIRST ENCOUNTERED 13 feet bgs
DRILLING COMPANY EnProb
DRILLING METHOD GeoProbe Direct Push
DRILLER Jeff Edwards
GEOLOGIST J. Dinan
DATE DRILLED 10/19/2005

DEPTH (feet)	GRAPHIC LOG	SAMPLE INTERVAL/ RECOVERY	BLOW COUNTS	INSTRUMENT READING	DESCRIPTION/SOIL CLASSIFICATION	REMARKS
0					Asphalt	
2					Black clay (CL), med. stiff, med. cohesive, sl. moist	
4						
6					5.5' Blue gray gravelly clay (CL), poorly sorted angular gravels, friable, sl. cohesive	▼ 6.45' bgs
8		BH-05-7'			7' Blue gray sandy clay (CL), moist, cohesive, med. stiff 7.5' Gravel present, subangular 8' Blue gray silty clay (CL), med. stiff, cohesive, moist	7" Strong petroleum odor
10					10' Blue gray sandy clay (CL), med. stiff, cohesive, moist	
12		BH-05-12'			11' Minor gravels present 12' Blue gray silty clay (CL), soft, moist, very cohesive	▽ 13' bgs
14		BH-05-13'			13' Blue gray clayey gravel (GC), saturated, loose, sl. cohesive	13.75' Odor absent
16		BH-05-15'			14' Brown silty clay (CL), stiff, sl. moist, cohesive	
18						
20					20' Bottom of borehole	

2005-51-07

▽ First encountered groundwater ▼ Equilibrated groundwater level

APPENDIX E

Certified Analytical Laboratory Reports and Chain-of-Custody Records

August 16, 2005 Drilling

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

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

Prepared for:

Stellar Environmental Solutions
2198 6th Street
Suite 201
Berkeley, CA 94710

Date: 22-AUG-05
Lab Job Number: 181268
Project ID: STANDARD
Location: 1001 77th Ave. Oakland

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	181268
Client:	Stellar Environmental Solutions
Location:	1001 77th Ave. Oakland
Request Date:	08/16/05
Samples Received:	08/16/05

This hardcopy data package contains sample and QC results for four soil samples and two water samples, requested for the above referenced project on 08/16/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Water:
High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in BH-02-GW (lab # 181268-006), due to interference from coeluting hydrocarbon peaks. No other analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
No analytical problems were encountered.

Metals (EPA 6010B) Water:
No analytical problems were encountered.

Metals (EPA 6010B) Soil:
No analytical problems were encountered.

181268

Chain of Custody Record

Lab job no. _____

Date _____

Page 1 of 1

Laboratory Curtis and Tompkins, Ltd.
Address 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Method of Shipment Hand Delivery
Shipment No. _____
Airbill No. _____
Cooler No. _____

Project Owner Acts Community Development
Site Address 1034 66th Avenue
Oakland, CA

Project Manager Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859

Project Name 1001 77th Ave Oakland
Project Number 2005-51

Samplers: *(Signature)* [signature]

	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	Analysis Required: TVH gas + BTEX + MTBE	Analysis Required: TEH (diesel/kerosene range only)	Analysis Required: 5 LUFT metals	Remarks
-1	BH-01-8'	8'	08/16	845	soil	6" acetate sleeve	yes	none		1	X	X	X	
-2	BH-01-10'	10'	08/16	850	soil	6" acetate sleeve	yes	none		1	X	X	X	
-3	BH-01-GW	~11'	08/16	840	H2O	(a)	yes	(b)		4	X	X	X	
-4	BH-02-8'	8'	08/16	920	soil	6" acetate sleeve	yes	none		1	X	X	X	
-5	BH-02-13'	13'	08/16	950	soil	6" acetate sleeve	yes	none		1	X	X	X	
-6	BH-02-GW	~14'	08/16	950	H2O	(a)	yes	(b)		4	X	X	X	

Relinquished by:	Date	Received by:	Date
Signature [signature]	8/16/05	Signature [signature]	
Printed Joe Dinan	Time 1100	Printed Steven Stanley	Time
Company Stellar Environmental		Company CET	

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

Turnaround Time: 5 Day TAT

Comments: Split aft & preserved w/ HNO3 500mL from 1L ambers. JLW 8-16-05

(a) Water samples collected in 40-ml VOAs and 1-L amber glass

(b) VOAs are preserved with HCl. Ambers are unpreserved

2000-00-01

Received ☑ Cold ☐ Ambient ☑ Intact

★ Stellar Environmental Solutions

2198 Sixth Street #201, Berkeley, CA 94710

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	08/16/05
Units:	ug/L	Received:	08/16/05
Diln Fac:	1.000	Analyzed:	08/16/05
Batch#:	104853		

Field ID: BH-01-GW
Type: SAMPLE
Lab ID: 181268-003

Analyte	Result	RL	Analysis
Gasoline C7-C12	280 Y Z	50	EPA 8015B
MTBE	5.7	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	63-141	EPA 8015B
Bromofluorobenzene (FID)	120	79-139	EPA 8015B
Trifluorotoluene (PID)	85	63-133	EPA 8021B
Bromofluorobenzene (PID)	108	79-128	EPA 8021B

Field ID: BH-02-GW
Type: SAMPLE
Lab ID: 181268-006

Analyte	Result	RL	Analysis
Gasoline C7-C12	4,200 Y	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	146 *	63-141	EPA 8015B
Bromofluorobenzene (FID)	154 *	79-139	EPA 8015B
Trifluorotoluene (PID)	101	63-133	EPA 8021B
Bromofluorobenzene (PID)	113	79-128	EPA 8021B

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	08/16/05
Units:	ug/L	Received:	08/16/05
Diln Fac:	1.000	Analyzed:	08/16/05
Batch#:	104853		

Type: BLANK Lab ID: QC305128

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	63-141	EPA 8015B
Bromofluorobenzene (FID)	114	79-139	EPA 8015B
Trifluorotoluene (PID)	84	63-133	EPA 8021B
Bromofluorobenzene (PID)	103	79-128	EPA 8021B

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305129	Batch#:	104853
Matrix:	Water	Analyzed:	08/16/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	20.85	104	67-125
Benzene	20.00	19.25	96	80-120
Toluene	20.00	20.73	104	80-120
Ethylbenzene	20.00	20.69	103	80-120
m,p-Xylenes	20.00	19.36	97	80-120
o-Xylene	20.00	20.78	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	91	63-133
Bromofluorobenzene (PID)	111	79-128

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305130	Batch#:	104853
Matrix:	Water	Analyzed:	08/16/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,079	104	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	63-141
Bromofluorobenzene (FID)	128	79-139

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	104853
MSS Lab ID:	181259-019	Sampled:	08/12/05
Matrix:	Water	Received:	08/15/05
Units:	ug/L	Analyzed:	08/16/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305160

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	14.50	2,000	1,991	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	63-141
Bromofluorobenzene (FID)	127	79-139

Type: MSD Lab ID: QC305161

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,034	101	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	63-141
Bromofluorobenzene (FID)	130	79-139

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	08/16/05
Basis:	as received	Received:	08/16/05
Diln Fac:	1.000	Analyzed:	08/16/05
Batch#:	104851		

Field ID: BH-01-8' Lab ID: 181268-001
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	60-138	EPA 8015B
Bromofluorobenzene (FID)	114	66-148	EPA 8015B
Trifluorotoluene (PID)	100	62-126	EPA 8021B
Bromofluorobenzene (PID)	114	72-133	EPA 8021B

Field ID: BH-01-10' Lab ID: 181268-002
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	60-138	EPA 8015B
Bromofluorobenzene (FID)	102	66-148	EPA 8015B
Trifluorotoluene (PID)	89	62-126	EPA 8021B
Bromofluorobenzene (PID)	100	72-133	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	08/16/05
Basis:	as received	Received:	08/16/05
Diln Fac:	1.000	Analyzed:	08/16/05
Batch#:	104851		

Field ID: BH-02-8' Lab ID: 181268-004
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	60-138	EPA 8015B
Bromofluorobenzene (FID)	115	66-148	EPA 8015B
Trifluorotoluene (PID)	96	62-126	EPA 8021B
Bromofluorobenzene (PID)	110	72-133	EPA 8021B

Field ID: BH-02-13' Lab ID: 181268-005
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	60-138	EPA 8015B
Bromofluorobenzene (FID)	104	66-148	EPA 8015B
Trifluorotoluene (PID)	90	62-126	EPA 8021B
Bromofluorobenzene (PID)	107	72-133	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	08/16/05
Basis:	as received	Received:	08/16/05
Diln Fac:	1.000	Analyzed:	08/16/05
Batch#:	104851		

Type: BLANK Lab ID: QC305123

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	60-138	EPA 8015B
Bromofluorobenzene (FID)	111	66-148	EPA 8015B
Trifluorotoluene (PID)	94	62-126	EPA 8021B
Bromofluorobenzene (PID)	111	72-133	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC305124	Diln Fac:	1.000
Matrix:	Soil	Batch#:	104851
Units:	ug/Kg	Analyzed:	08/16/05

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	105.6	106	70-137
Benzene	100.0	96.02	96	80-120
Toluene	100.0	94.84	95	80-120
Ethylbenzene	100.0	95.91	96	80-120
m,p-Xylenes	100.0	93.55	94	80-120
o-Xylene	100.0	95.13	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	91	62-126
Bromofluorobenzene (PID)	105	72-133

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC305125	Diln Fac:	1.000
Matrix:	Soil	Batch#:	104851
Units:	mg/Kg	Analyzed:	08/16/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	10.34	103	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	60-138
Bromofluorobenzene (FID)	115	66-148

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	BH-01-8'	Diln Fac:	1.000
MSS Lab ID:	181268-001	Batch#:	104851
Matrix:	Soil	Sampled:	08/16/05
Units:	mg/Kg	Received:	08/16/05
Basis:	as received	Analyzed:	08/16/05

Type: MS Lab ID: QC305231

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1172	10.99	9.207	84	43-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	102	60-138
Bromofluorobenzene (FID)	105	66-148

Type: MSD Lab ID: QC305232

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.87	9.287	85	43-120	2	27

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	60-138
Bromofluorobenzene (FID)	116	66-148

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/16/05
Units:	ug/L	Received:	08/16/05
Diln Fac:	1.000	Prepared:	08/18/05
Batch#:	104959	Analyzed:	08/21/05

Field ID: BH-01-GW
Type: SAMPLE
Lab ID: 181268-003

Analyte	Result	RL
Kerosene C10-C16	92 H Y	50
Diesel C10-C24	160 H Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	104	55-143

Field ID: BH-02-GW
Type: SAMPLE
Lab ID: 181268-006

Analyte	Result	RL
Kerosene C10-C16	1,900 H	50
Diesel C10-C24	1,800 H L	50
Motor Oil C24-C36	480	300

Surrogate	%REC	Limits
Hexacosane	104	55-143

Type: BLANK
Lab ID: QC305569
Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	50
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	107	55-143

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305570	Batch#:	104959
Matrix:	Water	Prepared:	08/18/05
Units:	ug/L	Analyzed:	08/21/05

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,324	93	50-133

Surrogate	%REC	Limits
Hexacosane	83	55-143

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	104959
MSS Lab ID:	181301-002	Sampled:	08/15/05
Matrix:	Water	Received:	08/17/05
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/21/05

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC305571

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<12.82	2,500	1,999	80	42-127

Surrogate	%REC	Limits
Hexacosane	69	55-143

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC305572

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,688	68	42-127	17	45

Surrogate	%REC	Limits
Hexacosane	72	55-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/16/05
Units:	mg/Kg	Received:	08/16/05
Basis:	as received	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/19/05
Batch#:	104955		

Field ID: BH-01-8' Lab ID: 181268-001
Type: SAMPLE

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	3.4 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	83	51-136

Field ID: BH-01-10' Lab ID: 181268-002
Type: SAMPLE

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	85	51-136

Field ID: BH-02-8' Lab ID: 181268-004
Type: SAMPLE

Analyte	Result	RL
Kerosene C10-C16	1.2 Y	0.99
Diesel C10-C24	4.5 H Y	0.99
Motor Oil C24-C36	15	5.0

Surrogate	%REC	Limits
Hexacosane	91	51-136

Field ID: BH-02-13' Lab ID: 181268-005
Type: SAMPLE

Analyte	Result	RL
Kerosene C10-C16	1.7 Y	0.99
Diesel C10-C24	5.4 H Y	0.99
Motor Oil C24-C36	16	5.0

Surrogate	%REC	Limits
Hexacosane	87	51-136

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/16/05
Units:	mg/Kg	Received:	08/16/05
Basis:	as received	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/19/05
Batch#:	104955		

Type: BLANK
Lab ID: QC305546

Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	94	51-136

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC305547	Batch#:	104955
Matrix:	Soil	Prepared:	08/18/05
Units:	mg/Kg	Analyzed:	08/19/05
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.41	49.03	97	52-137

Surrogate	%REC	Limits
Hexacosane	109	51-136

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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	104955
MSS Lab ID:	181216-002	Sampled:	08/11/05
Matrix:	Soil	Received:	08/12/05
Units:	mg/Kg	Prepared:	08/18/05
Basis:	as received	Analyzed:	08/22/05
Diln Fac:	2.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC305548

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	29.31	50.44	85.37	111	11-169

Surrogate	%REC	Limits
Hexacosane	105	51-136

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC305549

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.07	78.81	99	11-169	8	49

Surrogate	%REC	Limits
Hexacosane	101	51-136

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	104955
MSS Lab ID:	181292-001	Sampled:	08/16/05
Matrix:	Soil	Received:	08/16/05
Units:	mg/Kg	Prepared:	08/18/05
Basis:	as received	Analyzed:	08/20/05
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC305550

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	2.053	50.17	45.56	87	11-169

Surrogate	%REC	Limits
Hexacosane	95	51-136

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC305551

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.86	41.41	79	11-169	9	49

Surrogate	%REC	Limits
Hexacosane	89	51-136

RPD= Relative Percent Difference

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California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Water	Sampled:	08/16/05
Units:	ug/L	Received:	08/16/05
Diln Fac:	1.000	Prepared:	08/18/05
Batch#:	104958	Analyzed:	08/18/05

Field ID: BH-01-GW Lab ID: 181268-003
Type: SAMPLE

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	40	10
Lead	5.2	3.0
Nickel	70	20
Zinc	110	20

Field ID: BH-02-GW Lab ID: 181268-006
Type: SAMPLE

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

Type: BLANK Lab ID: QC305562

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	104958
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/18/05

Type: BS Lab ID: QC305563

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	45.48	91	80-120
Chromium	200.0	174.9	87	80-120
Lead	100.0	82.04	82	66-138
Nickel	500.0	425.7	85	80-120
Zinc	500.0	453.2	91	80-120

Type: BSD Lab ID: QC305564

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	51.85	104	80-120	13	20
Chromium	200.0	198.3	99	80-120	13	20
Lead	100.0	95.25	95	66-138	15	25
Nickel	500.0	482.1	96	80-120	12	20
Zinc	500.0	511.4	102	80-120	12	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
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Batch QC Report

California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	104958
MSS Lab ID:	181199-004	Sampled:	08/11/05
Matrix:	Water	Received:	08/11/05
Units:	ug/L	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/18/05

Type: MS Lab ID: QC305565

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	<0.5500	50.00	48.10	96	76-123
Chromium	6.508	200.0	190.5	92	79-120
Lead	<0.5698	100.0	81.13	81	49-155
Nickel	6.533	500.0	439.9	87	74-120
Zinc	12.38	500.0	487.2	95	79-123

Type: MSD Lab ID: QC305566

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	48.13	96	76-123	0	20
Chromium	200.0	191.3	92	79-120	0	20
Lead	100.0	82.98	83	49-155	2	34
Nickel	500.0	439.1	87	74-120	0	20
Zinc	500.0	499.3	97	79-123	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	08/16/05
Units:	mg/Kg	Received:	08/16/05
Basis:	as received	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/18/05
Batch#:	104933		

Field ID: BH-01-8' Lab ID: 181268-001
Type: SAMPLE

Analyte	Result	RL
Cadmium	0.75	0.27
Chromium	50	0.54
Lead	5.7	0.16
Nickel	36	1.1
Zinc	45	1.1

Field ID: BH-01-10' Lab ID: 181268-002
Type: SAMPLE

Analyte	Result	RL
Cadmium	0.99	0.26
Chromium	46	0.53
Lead	6.1	0.16
Nickel	43	1.1
Zinc	62	1.1

Field ID: BH-02-8' Lab ID: 181268-004
Type: SAMPLE

Analyte	Result	RL
Cadmium	0.78	0.20
Chromium	47	0.41
Lead	5.2	0.12
Nickel	39	0.82
Zinc	48	0.82

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Sampled:	08/16/05
Units:	mg/Kg	Received:	08/16/05
Basis:	as received	Prepared:	08/18/05
Diln Fac:	1.000	Analyzed:	08/18/05
Batch#:	104933		

Field ID: BH-02-13' Lab ID: 181268-005
Type: SAMPLE

Analyte	Result	RL
Cadmium	0.81	0.21
Chromium	45	0.42
Lead	5.3	0.13
Nickel	41	0.83
Zinc	45	0.83

Type: BLANK Lab ID: QC305443

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.50
Lead	ND	0.15
Nickel	ND	1.0
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	104933
Units:	mg/Kg	Prepared:	08/18/05
Basis:	as received	Analyzed:	08/18/05
Diln Fac:	1.000		

Type: BS Lab ID: QC305444

Analyte	Spiked	Result	%REC	Limits
Cadmium	10.00	9.650	97	80-120
Chromium	100.0	97.00	97	80-120
Lead	100.0	96.50	97	80-120
Nickel	25.00	24.20	97	80-120
Zinc	25.00	23.30	93	80-120

Type: BSD Lab ID: QC305445

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.00	9.350	94	80-120	3	20
Chromium	100.0	95.00	95	80-120	2	20
Lead	100.0	95.00	95	80-120	2	20
Nickel	25.00	23.65	95	80-120	2	20
Zinc	25.00	22.80	91	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	181268	Location:	1001 77th Ave. Oakland
Client:	Stellar Environmental Solutions	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	104933
MSS Lab ID:	181292-001	Sampled:	08/16/05
Matrix:	Soil	Received:	08/16/05
Units:	mg/Kg	Prepared:	08/18/05
Basis:	as received	Analyzed:	08/18/05
Diln Fac:	1.000		

Type: MS Lab ID: QC305446

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	0.4161	10.87	10.27	91	68-120
Chromium	41.61	108.7	146.2	96	61-120
Lead	11.79	108.7	110.3	91	55-128
Nickel	40.15	27.17	66.30	96	43-139
Zinc	22.85	27.17	49.73	99	41-146

Type: MSD Lab ID: QC305447

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	9.009	8.333	88	68-120	3	20
Chromium	90.09	123.4	91	61-120	4	20
Lead	90.09	88.29	85	55-128	6	24
Nickel	22.52	61.26	94	43-139	1	20
Zinc	22.52	42.88	89	41-146	5	20

RPD= Relative Percent Difference

October 18, 2005 Drilling

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

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

Prepared for:

Stellar Environmental Solutions
2198 6th Street
Suite 201
Berkeley, CA 94710

Date: 27-OCT-05
Lab Job Number: 182598
Project ID: STANDARD
Location: Acts Church-Phase I&II

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**182598**
Client:	**Stellar Environmental Solutions**
Location:	**Acts Church-Phase I&II**
Request Date:	**10/19/05**
Samples Received:	**10/19/05**

This hardcopy data package contains sample and QC results for eleven soil samples and five water samples, requested for the above referenced project on 10/19/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Water:
High surrogate recovery was observed for trifluorotoluene (PID) in BH-05-GW (lab # 182598-003), due to interference from coeluting hydrocarbon peaks; the corresponding bromofluorobenzene (PID) surrogate recovery was within limits. High surrogate recoveries were observed for trifluorotoluene (FID) in BH-05-GW (lab # 182598-003) and BH-05-12' (lab # 182598-014), due to interference from coeluting hydrocarbon peaks; the corresponding bromofluorobenzene (FID) surrogate recoveries were within limits. No other analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
No analytical problems were encountered.

Chain of Custody Record

Lab job no 182518

Date

Page 1 of 2

Laboratory Curtis and Tompkins, Ltd.
Address 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Project Owner Acts Community Development
Site Address 1001 77th Avenue
Oakland, California

Project Name Acts Church - Phase II & III
Project Number 2005-51

Method of Shipment Hand Delivery
Shipment No.
Airbill No.
Cooler No.
Project Manager Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859
Samplers: (Signature)

	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	Analysis Required: TVHg / BTEX / MTBE	Analysis Required: TEH as diesel	Remarks
-1	BH-03-GW	N/A	10/19	1025	water	(a)	yes	(a)	no	4	X	X	
-2	BH-04-GW	N/A	10/19	900	water	(a)	yes	(a)	no	4	X	X	
-3	BH-05-GW	N/A	10/19	1400	water	(a)	yes	(a)	no	4	X	X	
-4	BH-06-GW	N/A	10/19	1310	water	(a)	yes	(a)	no	4	X	X	
-5	BH-07-GW	N/A	10/19	1210	water	(a)	yes	(a)	no	4	X	X	
-6	BH-06-7.5'	7.5'	10/19	1300	soil	acetate sleeve	yes	none	no	1	X	X	
-7	BH-07-7.5'	7.5'	10/19	1145	soil	acetate sleeve	yes	none	no	1	X	X	
-8	BH-03-9.5'	9.5'	10/19	1035	soil	acetate sleeve	yes	none	no	1	X	X	
-9	BH-03-11.5'	11.5'	10/19	1040	soil	acetate sleeve	yes	none	no	1	X	X	
-10	BH-03-12'	12'	10/19	1050	soil	acetate sleeve	yes	none	no	1	X	X	
-11	BH-04-8.5'	8.5'	10/19	905	soil	acetate sleeve	yes	none	no	1	X	X	
-12	BH-04-10'	10'	10/19	910	soil	acetate sleeve	yes	none	no	1	X	X	

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature	10/19	Signature	10/21/05	Signature		Signature	
Printed Joe Dinan	Time	Printed Anna Payarillo	Time	Printed	Time	Printed	Time
Company Stellar Environmental	1705	Company Curtis & Tompkins	1705	Company		Company	

Turnaround Time: 5 Day TAT

Comments: (a) -- (1) 1-liter amber unpreserved; (3) 40-ml VOAs with HCl

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

2000-00-01

Chain of Custody Record

Lab job no 182598

Date

Page 2 of 2

Laboratory Curtis and Tompkins, Ltd.
Address 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Project Owner Acts Community Development
Site Address 1001 77th Avenue
Oakland, California

Project Name Acts Church - Phase II & III
Project Number 2005-51

Method of Shipment Hand Delivery
Shipment No.
Airbill No.
Cooler No.
Project Manager Bruce Rucker
Telephone No. (510) 644-3123
Fax No. (510) 644-3859
Samplers: (Signature)

	Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	Analysis Required: TPH g / BTEX / MTBE	Analysis Required: TEPH / metals	Remarks
-13	BH-05-7'	7'	10/19	1410	soil	acetate sleeve	yes	none	no	1	X	X	
-14	BH-05-12'	12'	10/19	1425	soil	acetate sleeve	yes	none	no	1	X	X	
-15	BH-05-13'	13'	10/19	1430	soil	acetate sleeve	yes	none	no	1	X	X	
-16	BH-05-15'	15'	10/19	1435	soil	acetate sleeve	yes	none	no	1	X	X	
-17	BH-03-15'	15'	10/19	1100	soil	acetate sleeve	yes	none	no	1			*HOLD*
-18	BH-04-15.5'	15.5'	10/19	9:5	soil	acetate sleeve	yes	none	no	1			*HOLD*

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature	10/19	Signature	10/19/05	Signature		Signature	
Printed Joe Dinan	Time 1705	Printed Anna Pagurillo	Time 1705	Printed	Time	Printed	Time
Company Stellar Environmental		Company Curtis & Tompkins		Company		Company	

Turnaround Time: 5 Day TAT

Comments: (a) -- (1) 1-liter amber unpreserved; (3) 40-ml VOAs with HCl

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	

2000-00-01

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	10/19/05
Units:	ug/L	Received:	10/19/05
Diln Fac:	1.000	Analyzed:	10/23/05
Batch#:	107016		

Field ID: BH-03-GW
Type: SAMPLE
Lab ID: 182598-001

Analyte	Result	RL	Analysis
Gasoline C7-C12	1,900	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	4.7	0.50	EPA 8021B
m,p-Xylenes	3.0	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	119	62-141	EPA 8015B
Bromofluorobenzene (FID)	120	78-134	EPA 8015B
Trifluorotoluene (PID)	102	67-127	EPA 8021B
Bromofluorobenzene (PID)	109	80-122	EPA 8021B

Field ID: BH-04-GW
Type: SAMPLE
Lab ID: 182598-002

Analyte	Result	RL	Analysis
Gasoline C7-C12	330 Y Z	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	62-141	EPA 8015B
Bromofluorobenzene (FID)	119	78-134	EPA 8015B
Trifluorotoluene (PID)	106	67-127	EPA 8021B
Bromofluorobenzene (PID)	106	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	10/19/05
Units:	ug/L	Received:	10/19/05
Diln Fac:	1.000	Analyzed:	10/23/05
Batch#:	107016		

Field ID: BH-05-GW
Type: SAMPLE
Lab ID: 182598-003

Analyte	Result	RL	Analysis
Gasoline C7-C12	1,200	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	34	0.50	EPA 8021B
m,p-Xylenes	21	0.50	EPA 8021B
o-Xylene	2.1	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	155 *	62-141	EPA 8015B
Bromofluorobenzene (FID)	119	78-134	EPA 8015B
Trifluorotoluene (PID)	136 *	67-127	EPA 8021B
Bromofluorobenzene (PID)	107	80-122	EPA 8021B

Field ID: BH-06-GW
Type: SAMPLE
Lab ID: 182598-004

Analyte	Result	RL	Analysis
Gasoline C7-C12	150 Y Z	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	113	62-141	EPA 8015B
Bromofluorobenzene (FID)	122	78-134	EPA 8015B
Trifluorotoluene (PID)	101	67-127	EPA 8021B
Bromofluorobenzene (PID)	110	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Water	Sampled:	10/19/05
Units:	ug/L	Received:	10/19/05
Diln Fac:	1.000	Analyzed:	10/23/05
Batch#:	107016		

Field ID: BH-07-GW
Type: SAMPLE
Lab ID: 182598-005

Analyte	Result	RL	Analysis
Gasoline C7-C12	510 Y Z	50	EPA 8015B
MTBE	3.3	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	62-141	EPA 8015B
Bromofluorobenzene (FID)	115	78-134	EPA 8015B
Trifluorotoluene (PID)	113	67-127	EPA 8021B
Bromofluorobenzene (PID)	107	80-122	EPA 8021B

Type: BLANK
Lab ID: QC314097

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	62-141	EPA 8015B
Bromofluorobenzene (FID)	108	78-134	EPA 8015B
Trifluorotoluene (PID)	101	67-127	EPA 8021B
Bromofluorobenzene (PID)	103	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC314098	Batch#:	107016
Matrix:	Water	Analyzed:	10/23/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	17.09	85	72-124
Benzene	20.00	18.89	94	80-120
Toluene	20.00	19.05	95	80-120
Ethylbenzene	20.00	19.20	96	80-120
m,p-Xylenes	20.00	19.69	98	80-120
o-Xylene	20.00	19.74	99	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	105	67-127
Bromofluorobenzene (PID)	104	80-122

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC314099	Batch#:	107016
Matrix:	Water	Analyzed:	10/23/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,898	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	62-141
Bromofluorobenzene (FID)	107	78-134

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	107016
MSS Lab ID:	182652-001	Sampled:	10/20/05
Matrix:	Water	Received:	10/21/05
Units:	ug/L	Analyzed:	10/23/05
Diln Fac:	1.000		

Type: MS Lab ID: QC314105

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	17.67	2,000	1,918	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	125	62-141
Bromofluorobenzene (FID)	126	78-134

Type: MSD Lab ID: QC314106

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,870	93	80-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	124	62-141
Bromofluorobenzene (FID)	114	78-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Field ID:	BH-06-7.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-006	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	59-140	EPA 8015B
Bromofluorobenzene (FID)	103	62-149	EPA 8015B
Trifluorotoluene (PID)	95	63-125	EPA 8021B
Bromofluorobenzene (PID)	106	71-129	EPA 8021B

Field ID:	BH-07-7.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-007	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.91	mg/Kg	EPA 8015B
MTBE	ND	18	ug/Kg	EPA 8021B
Benzene	ND	4.5	ug/Kg	EPA 8021B
Toluene	ND	4.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.5	ug/Kg	EPA 8021B
o-Xylene	ND	4.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	59-140	EPA 8015B
Bromofluorobenzene (FID)	106	62-149	EPA 8015B
Trifluorotoluene (PID)	98	63-125	EPA 8021B
Bromofluorobenzene (PID)	106	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Field ID:	BH-03-9.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-008	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	19	1.1	mg/Kg	EPA 8015B
MTBE	ND	22	ug/Kg	EPA 8021B
Benzene	ND	5.6	ug/Kg	EPA 8021B
Toluene	ND	5.6	ug/Kg	EPA 8021B
Ethylbenzene	120	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	88	5.6	ug/Kg	EPA 8021B
o-Xylene	7.6 C	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	73	59-140	EPA 8015B
Bromofluorobenzene (FID)	107	62-149	EPA 8015B
Trifluorotoluene (PID)	102	63-125	EPA 8021B
Bromofluorobenzene (PID)	105	71-129	EPA 8021B

Field ID:	BH-03-11.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-009	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.92	mg/Kg	EPA 8015B
MTBE	ND	18	ug/Kg	EPA 8021B
Benzene	ND	4.6	ug/Kg	EPA 8021B
Toluene	ND	4.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	85	59-140	EPA 8015B
Bromofluorobenzene (FID)	97	62-149	EPA 8015B
Trifluorotoluene (PID)	92	63-125	EPA 8021B
Bromofluorobenzene (PID)	98	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Field ID:	BH-03-12'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-010	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	59-140	EPA 8015B
Bromofluorobenzene (FID)	104	62-149	EPA 8015B
Trifluorotoluene (PID)	97	63-125	EPA 8021B
Bromofluorobenzene (PID)	106	71-129	EPA 8021B

Field ID:	BH-04-8.5'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-011	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.91	mg/Kg	EPA 8015B
MTBE	ND	18	ug/Kg	EPA 8021B
Benzene	ND	4.5	ug/Kg	EPA 8021B
Toluene	ND	4.5	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.5	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.5	ug/Kg	EPA 8021B
o-Xylene	ND	4.5	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	59-140	EPA 8015B
Bromofluorobenzene (FID)	102	62-149	EPA 8015B
Trifluorotoluene (PID)	94	63-125	EPA 8021B
Bromofluorobenzene (PID)	103	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Field ID:	BH-04-10'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-012	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.2	ug/Kg	EPA 8021B
Toluene	ND	5.2	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.2	ug/Kg	EPA 8021B
o-Xylene	ND	5.2	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	59-140	EPA 8015B
Bromofluorobenzene (FID)	103	62-149	EPA 8015B
Trifluorotoluene (PID)	94	63-125	EPA 8021B
Bromofluorobenzene (PID)	103	71-129	EPA 8021B

Field ID:	BH-05-7'	Diln Fac:	5.000
Type:	SAMPLE	Batch#:	107017
Lab ID:	182598-013	Analyzed:	10/23/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	44	5.0	mg/Kg	EPA 8015B
MTBE	ND	100	ug/Kg	EPA 8021B
Benzene	ND	25	ug/Kg	EPA 8021B
Toluene	ND	25	ug/Kg	EPA 8021B
Ethylbenzene	63 C	25	ug/Kg	EPA 8021B
m,p-Xylenes	ND	25	ug/Kg	EPA 8021B
o-Xylene	ND	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	120	59-140	EPA 8015B
Bromofluorobenzene (FID)	123	62-149	EPA 8015B
Trifluorotoluene (PID)	104	63-125	EPA 8021B
Bromofluorobenzene (PID)	99	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Field ID:	BH-05-12'	Diln Fac:	5.000
Type:	SAMPLE	Batch#:	107017
Lab ID:	182598-014	Analyzed:	10/23/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	86	5.0	mg/Kg	EPA 8015B
MTBE	ND	100	ug/Kg	EPA 8021B
Benzene	ND	25	ug/Kg	EPA 8021B
Toluene	ND	25	ug/Kg	EPA 8021B
Ethylbenzene	1,200	25	ug/Kg	EPA 8021B
m,p-Xylenes	1,400	25	ug/Kg	EPA 8021B
o-Xylene	180 C	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	152 *	59-140	EPA 8015B
Bromofluorobenzene (FID)	112	62-149	EPA 8015B
Trifluorotoluene (PID)	108	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

Field ID:	BH-05-13'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	107017
Lab ID:	182598-015	Analyzed:	10/23/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.7	1.1	mg/Kg	EPA 8015B
MTBE	ND	21	ug/Kg	EPA 8021B
Benzene	ND	5.3	ug/Kg	EPA 8021B
Toluene	ND	5.3	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.3	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.3	ug/Kg	EPA 8021B
o-Xylene	ND	5.3	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	59-140	EPA 8015B
Bromofluorobenzene (FID)	116	62-149	EPA 8015B
Trifluorotoluene (PID)	92	63-125	EPA 8021B
Bromofluorobenzene (PID)	105	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Field ID:	BH-05-15'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	106923
Lab ID:	182598-016	Analyzed:	10/20/05

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	59-140	EPA 8015B
Bromofluorobenzene (FID)	105	62-149	EPA 8015B
Trifluorotoluene (PID)	99	63-125	EPA 8021B
Bromofluorobenzene (PID)	105	71-129	EPA 8021B

Type:	BLANK	Batch#:	106923
Lab ID:	QC313723	Analyzed:	10/20/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	59-140	EPA 8015B
Bromofluorobenzene (FID)	95	62-149	EPA 8015B
Trifluorotoluene (PID)	90	63-125	EPA 8021B
Bromofluorobenzene (PID)	98	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	10/19/05
Basis:	as received	Received:	10/19/05

Type:	BLANK	Batch#:	107017
Lab ID:	QC314100	Analyzed:	10/23/05
Diln Fac:	1.000		

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
MTBE	ND	20	ug/Kg	EPA 8021B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	59-140	EPA 8015B
Bromofluorobenzene (FID)	102	62-149	EPA 8015B
Trifluorotoluene (PID)	88	63-125	EPA 8021B
Bromofluorobenzene (PID)	100	71-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC313724	Diln Fac:	1.000
Matrix:	Soil	Batch#:	106923
Units:	ug/Kg	Analyzed:	10/20/05

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	102.1	102	71-130
Benzene	100.0	97.84	98	80-120
Toluene	100.0	101.3	101	80-120
Ethylbenzene	100.0	97.62	98	80-120
m,p-Xylenes	100.0	96.46	96	80-120
o-Xylene	100.0	103.1	103	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	63-125
Bromofluorobenzene (PID)	103	71-129

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC313725	Diln Fac:	1.000
Matrix:	Soil	Batch#:	106923
Units:	mg/Kg	Analyzed:	10/20/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.743	97	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-140
Bromofluorobenzene (FID)	115	62-149

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	BH-06-7.5'	Diln Fac:	1.000
MSS Lab ID:	182598-006	Batch#:	106923
Matrix:	Soil	Sampled:	10/19/05
Units:	mg/Kg	Received:	10/19/05
Basis:	as received	Analyzed:	10/20/05

Type: MS Lab ID: QC313744

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1332	9.346	6.365	67	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	59-140
Bromofluorobenzene (FID)	106	62-149

Type: MSD Lab ID: QC313745

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.091	6.465	70	44-120	4	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	59-140
Bromofluorobenzene (FID)	105	62-149

RPD= Relative Percent Difference

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC314101	Diln Fac:	1.000
Matrix:	Soil	Batch#:	107017
Units:	ug/Kg	Analyzed:	10/23/05

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	96.86	97	71-130
Benzene	100.0	93.84	94	80-120
Toluene	100.0	92.98	93	80-120
Ethylbenzene	100.0	97.73	98	80-120
m,p-Xylenes	100.0	92.01	92	80-120
o-Xylene	100.0	101.3	101	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	103	63-125
Bromofluorobenzene (PID)	115	71-129

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC314102	Diln Fac:	1.000
Matrix:	Soil	Batch#:	107017
Units:	mg/Kg	Analyzed:	10/23/05

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.827	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	123	59-140
Bromofluorobenzene (FID)	121	62-149

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	182620-003	Batch#:	107017
Matrix:	Soil	Sampled:	10/18/05
Units:	mg/Kg	Received:	10/20/05
Basis:	as received	Analyzed:	10/23/05

Type: MS Lab ID: QC314113

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1049	10.75	8.687	81	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	59-140
Bromofluorobenzene (FID)	116	62-149

Type: MSD Lab ID: QC314114

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.615	7.751	81	44-120	0	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	59-140
Bromofluorobenzene (FID)	121	62-149

RPD= Relative Percent Difference

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Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/19/05
Units:	ug/L	Received:	10/19/05
Diln Fac:	1.000	Prepared:	10/24/05
Batch#:	107055	Analyzed:	10/27/05

Field ID: BH-03-GW
Type: SAMPLE
Lab ID: 182598-001

Analyte	Result	RL
Kerosene C10-C16	570 Y	50
Diesel C10-C24	530 L Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	104	60-135

Field ID: BH-04-GW
Type: SAMPLE
Lab ID: 182598-002

Analyte	Result	RL
Kerosene C10-C16	ND	50
Diesel C10-C24	120 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	104	60-135

Field ID: BH-05-GW
Type: SAMPLE
Lab ID: 182598-003

Analyte	Result	RL
Kerosene C10-C16	760 H Y	50
Diesel C10-C24	870 H L Y	50
Motor Oil C24-C36	820	300

Surrogate	%REC	Limits
Hexacosane	80	60-135

Field ID: BH-06-GW
Type: SAMPLE
Lab ID: 182598-004

Analyte	Result	RL
Kerosene C10-C16	ND	50
Diesel C10-C24	430 H Y	50
Motor Oil C24-C36	1,400	300

Surrogate	%REC	Limits
Hexacosane	95	60-135

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

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Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/19/05
Units:	ug/L	Received:	10/19/05
Diln Fac:	1.000	Prepared:	10/24/05
Batch#:	107055	Analyzed:	10/27/05

Field ID: BH-07-GW
Type: SAMPLE
Lab ID: 182598-005

Analyte	Result	RL
Kerosene C10-C16	ND	50
Diesel C10-C24	280 H Y	50
Motor Oil C24-C36	840	300

Surrogate	%REC	Limits
Hexacosane	93	60-135

Type: BLANK
Lab ID: QC314275
Cleanup Method: EPA 3630C

Analyte	Result	RL
Kerosene C10-C16	ND	50
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	93	60-135

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	107055
Units:	ug/L	Prepared:	10/24/05
Diln Fac:	1.000	Analyzed:	10/27/05

Type: BS
Lab ID: QC314276
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,265	91	53-138

Surrogate	%REC	Limits
Hexacosane	116	60-135

Type: BSD
Lab ID: QC314277
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,088	84	53-138	8	36

Surrogate	%REC	Limits
Hexacosane	105	60-135

RPD= Relative Percent Difference

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Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	10/19/05
Units:	mg/Kg	Received:	10/19/05
Basis:	as received	Prepared:	10/25/05
Batch#:	107073		

Field ID: BH-06-7.5'
Type: SAMPLE
Lab ID: 182598-006

Diln Fac: 1.000
Analyzed: 10/27/05

Analyte	Result	RL
Kerosene C10-C16	1.4 Y	1.0
Diesel C10-C24	13 H Y	1.0
Motor Oil C24-C36	50	5.0

Surrogate	%REC	Limits
Hexacosane	66	48-132

Field ID: BH-07-7.5'
Type: SAMPLE
Lab ID: 182598-007

Diln Fac: 1.000
Analyzed: 10/26/05

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	2.5 H Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	70	48-132

Field ID: BH-03-9.5'
Type: SAMPLE
Lab ID: 182598-008

Diln Fac: 1.000
Analyzed: 10/26/05

Analyte	Result	RL
Kerosene C10-C16	11 Y	1.0
Diesel C10-C24	9.0 L Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	66	48-132

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	10/19/05
Units:	mg/Kg	Received:	10/19/05
Basis:	as received	Prepared:	10/25/05
Batch#:	107073		

Field ID:	BH-03-11.5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-009		

Analyte	Result	RL
Kerosene C10-C16	1.1 Y	1.0
Diesel C10-C24	2.2 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	77	48-132

Field ID:	BH-03-12'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-010		

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	65	48-132

Field ID:	BH-04-8.5'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-011		

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	2.9 H Y	1.0
Motor Oil C24-C36	5.3	5.0

Surrogate	%REC	Limits
Hexacosane	48	48-132

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	10/19/05
Units:	mg/Kg	Received:	10/19/05
Basis:	as received	Prepared:	10/25/05
Batch#:	107073		

Field ID:	BH-04-10'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-012		

Analyte	Result	RL
Kerosene C10-C16	ND	0.99
Diesel C10-C24	2.4 H Y	0.99
Motor Oil C24-C36	5.1	5.0

Surrogate	%REC	Limits
Hexacosane	54	48-132

Field ID:	BH-05-7'	Diln Fac:	3.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-013		

Analyte	Result	RL
Kerosene C10-C16	28 H Y	3.0
Diesel C10-C24	68 H Y	3.0
Motor Oil C24-C36	420	15

Surrogate	%REC	Limits
Hexacosane	48	48-132

Field ID:	BH-05-12'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-014		

Analyte	Result	RL
Kerosene C10-C16	42 H	1.0
Diesel C10-C24	51 H L Y	1.0
Motor Oil C24-C36	110	5.0

Surrogate	%REC	Limits
Hexacosane	70	48-132

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	10/19/05
Units:	mg/Kg	Received:	10/19/05
Basis:	as received	Prepared:	10/25/05
Batch#:	107073		

Field ID:	BH-05-13'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-015		

Analyte	Result	RL
Kerosene C10-C16	1.1 Y	1.0
Diesel C10-C24	2.5 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	71	48-132

Field ID:	BH-05-15'	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/26/05
Lab ID:	182598-016		

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	2.7 H Y	1.0
Motor Oil C24-C36	5.3	5.0

Surrogate	%REC	Limits
Hexacosane	67	48-132

Type:	BLANK	Analyzed:	10/26/05
Lab ID:	QC314345	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Kerosene C10-C16	ND	1.0
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	90	48-132

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC314346	Batch#:	107073
Matrix:	Soil	Prepared:	10/25/05
Units:	mg/Kg	Analyzed:	10/26/05
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.37	34.82	69	54-137

Surrogate	%REC	Limits
Hexacosane	78	48-132

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Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	182598	Location:	Acts Church-Phase I&II
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	107073
MSS Lab ID:	182633-001	Sampled:	10/20/05
Matrix:	Soil	Received:	10/20/05
Units:	mg/Kg	Prepared:	10/25/05
Basis:	as received	Analyzed:	10/27/05
Diln Fac:	1.000		

Type: MS Lab ID: QC314347

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	3.883	50.48	29.94	52	28-163

Surrogate	%REC	Limits
Hexacosane	75	48-132

Type: MSD Lab ID: QC314348

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.42	26.80	45	28-163	11	46

Surrogate	%REC	Limits
Hexacosane	65	48-132

RPD= Relative Percent Difference