

RECEIVED

By loprojectop at 9:29 am, Feb 06, 2006

UNDERGROUND FUEL STORAGE TANK- RELATED CORRECTIVE ACTION REPORT

**1001 77TH AVENUE
OAKLAND, CALIFORNIA**

Prepared for:

**ACTS COMMUNITY DEVELOPMENT
OAKLAND, CALIFORNIA**

February 2006

RECEIVED

By loprojectop at 9:29 am, Feb 06, 2006

February 3, 2006

Mr. Jerry Wickham, P.G. – Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Underground Fuel Storage Tank-Related Corrective Action Report
 1001 77th Avenue, Oakland, California – RO#2905

Dear Mr. Wickham:

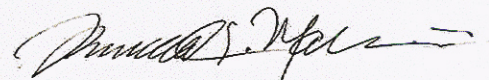
On behalf of the property owner and “Responsible Party” (Acts Community Development), Stellar Environmental Solutions, Inc. (SES) is submitting this Corrective Action Report related to petroleum contamination from a former underground fuel storage tank(s). This work follows initial site characterization activities (in August and October 2005); the reports of those activities were provided to Alameda County Health (in both hard copy and electronic upload to the ftp system) and to the State Water Resources Control Board’s GeoTracker system.

While the corrective action was effective in removing some of the residual soil and groundwater contamination, the available data indicate remaining contamination that exceeds Regional Water Quality Control Board Environmental Screening Levels. In our professional opinion, the installation of monitoring wells to conduct quarterly groundwater monitoring is the appropriate next step in evaluating the magnitude and stability of the contaminant plume over time, and determining whether additional corrective action might be warranted. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report are true and correct to the best of my knowledge. If you have any questions regarding this report, please contact us at (510) 644-3123.

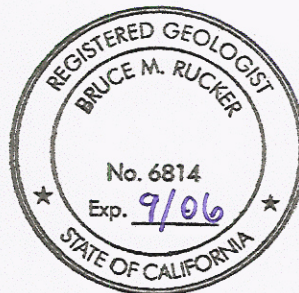
Sincerely,



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



Richard S. Makdisi, R.G., R.E.A.
Principal



**UNDERGROUND FUEL STORAGE TANK-
RELATED CORRECTIVE ACTION REPORT**

**1001 77TH AVENUE
BERKELEY, CALIFORNIA**

Prepared for:

**ACTS COMMUNITY DEVELOPMENT
1034 66TH AVENUE
OAKLAND, CA 94621**

Prepared by:

**STELLAR ENVIRONMENTAL SOLUTIONS, INC.
2198 SIXTH STREET, SUITE 201
BERKELEY, CALIFORNIA 94710**

February 3, 2006

TABLE OF CONTENTS

Section	Page
1.0 INTRODUCTION.....	1
Project Description.....	1
Purpose and Scope of Work.....	1
2.0 SUBJECT PROPERTY DESCRIPTION AND HISTORY.....	2
Background Information	2
Regulatory Status	3
Subject Property Description	3
Assessment of Potential Underground Fuel Storage Tanks.....	3
3.0 GEOLOGY AND HYDROGEOLOGY	7
Topography and Drainage.....	7
Geology, Lithology, and Hydrogeology	7
4.0 DECEMBER 2005 GEOPHYSICAL SURVEY	9
Geophysical Subsurface Survey	9
Summary of Subsurface Survey.....	10
5.0 CONTAMINATED SOIL CORRECTIVE ACTION.....	11
Pre-Field Work Planning	11
Soil Excavation and Removal	11
Excavation Confirmation Soil Sampling	13
Profiling and Disposal of Stockpiled Soil.....	14
Groundwater Pumping	14
Backfilling and Site Restoration	15
6.0 ANALYTICAL RESULTS AND DISTRIBUTION OF CONTAMINANTS	16
Regulatory Considerations and Screening Levels	16
Analytical Methods	16
Analytical Results and Distribution of Contaminants.....	17

TABLE OF CONTENTS (continued)

Section	Page
7.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	23
Summary and Conclusions.....	23
Recommendations	24
8.0 LIMITATIONS	25
9.0 REFERENCES.....	26

Appendices

Appendix A	Previous Analytical Results and Plume Maps
Appendix B	Geophysical Survey Documentation
Appendix C	Regulatory Notifications
Appendix D	Photodocumentation
Appendix E	Waste Profiling and Disposal Documentation
Appendix F	Certified Analytical Laboratory Reports and Chain-of-Custody Documentation

TABLES AND FIGURES

Table		Page
Table 1	January 2006 Corrective Action Excavation Soil Analytical Results 1001 77 th Avenue, Oakland, California	18
Table 2	January 2006 Corrective Action Excavation Groundwater Analytical Results 1001 77 th Avenue, Oakland, California	19

Figure		Page
Figure 1	Site Location Map	4
Figure 2	Site Plan	5
Figure 3	January 2006 Corrective Action Excavation With Soil Sample Results.....	12

1.0 INTRODUCTION

PROJECT DESCRIPTION

Stellar Environmental Solutions, Inc. (SES) was contracted by Acts Community Development (property owner) to conduct corrective actions related to soil and groundwater contamination at 1001 77th Avenue in Oakland, California. This work follows a preliminary site investigation in August 2005 and an additional site characterization investigation in October 2005. Both investigations revealed subsurface contamination suggesting the possible existence of a former (or intact, but unused and buried) underground storage tank (UST).

PURPOSE AND SCOPE OF WORK

The objectives of the current phase of work were:

1. Identify the presence or absence of a potential UST via a geophysical survey and exploratory excavation;
2. Remove residual contaminated soil that is contributing to contamination of groundwater;
3. Collect excavation confirmation soil samples to document residual contaminant concentrations;
4. Pump groundwater from the excavation to remove contaminant mass in groundwater; and
5. Collect pre-pumping and post-pumping groundwater samples to evaluate the effectiveness of the pit pumping.

2.0 SUBJECT PROPERTY DESCRIPTION AND HISTORY

BACKGROUND INFORMATION

Environmental assessment activities were initiated by the property owner in mid-2005 in consideration of potential sale of the property. Those activities included:

- Environmental Transaction Screen (June 2005) (Basics Environmental, 2005a).
- Local Agency File Review (July 2005) (Basics Environmental, 2005b).

The Basics Environmental documents concluded that:

- The subject property was utilized as “gas and oil station” from at least 1950 through 1969, based on Sanborn Fire Insurance Zonation Map notations.
- All appropriate permitting agencies were contacted regarding potential site usage of USTs (Oakland Fire Department; City of Oakland Building Department; Alameda County Health Care Services Agency, Department of Environmental Health [Alameda County Health]; and the Department of Toxic Substances Control [DTSC]).
- The subject property was utilized for auto repair (Collins & Collins) from 1984 to the 1990s.
- No specific regulatory information was found, nor field observations made, to support the presence of USTs.

The property owner subsequently retained SES to review existing data and implement an initial site characterization to determine the potential presence of a UST. SES conducted two phases of exploratory borehole drilling and sampling, in August 2005 (SES, 2005a) and October 2005 (SES, 2005b). Appendix A contains previous soil and groundwater analytical results, and groundwater contaminant plume maps based on that investigation.

Based on the findings, SES recommended and was retained to conduct the current phase of work. Sections 4.0 and 5.0 discuss the results of the geophysical survey and drilling, respectively.

REGULATORY STATUS

On behalf of the property owner, SES made the initial notification to Alameda County Health in our letter dated December 30, 2005 that included an Underground Storage Tank Unauthorized Release (Leak) Contamination Site Report (copies included in Appendix C). Hard copies of the two previous reports (SES, 2005a; SES, 2005b) were submitted, and both reports were uploaded electronically to Alameda County Health's ftp system. Alameda County Health has assigned the site to its fuel leak case system (RO#2905) and a case officer has been assigned. Alameda County Health has not assigned the case to the State Water Resources Control Board's GeoTracker system. When the case has been assigned, electronic uploads of required data/reports will be submitted to the GeoTracker system.

SUBJECT PROPERTY DESCRIPTION

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 property owner 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. The property owner has no knowledge of former site USTs other than the information discussed herein.

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, in several different installation periods). The entire property is enclosed by chain-link fencing (sides and rear) and two metal rolling gates (front). Adjacent uses include:

- A residence (to the north);
- A paved parking area, then a residence (to the east);
- A paved but non-engineered sidewalk (no curb or definition from the street), 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. Figure 2 is a site plan showing the location of the soil excavation and historical borehole locations.

ASSESSMENT OF POTENTIAL UNDERGROUND FUEL STORAGE TANKS

Historical Sanborn Fire Insurance Zonation Maps showed the notation "gas and oil" for the subject property (Basic Environmental, 2005a [maps not included in the reports]). We thus



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 | 3000 ft Scale: 1: 100,000 Detail: 11-0 Datum: WGS84



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

1001 77th Avenue
Oakland, CA

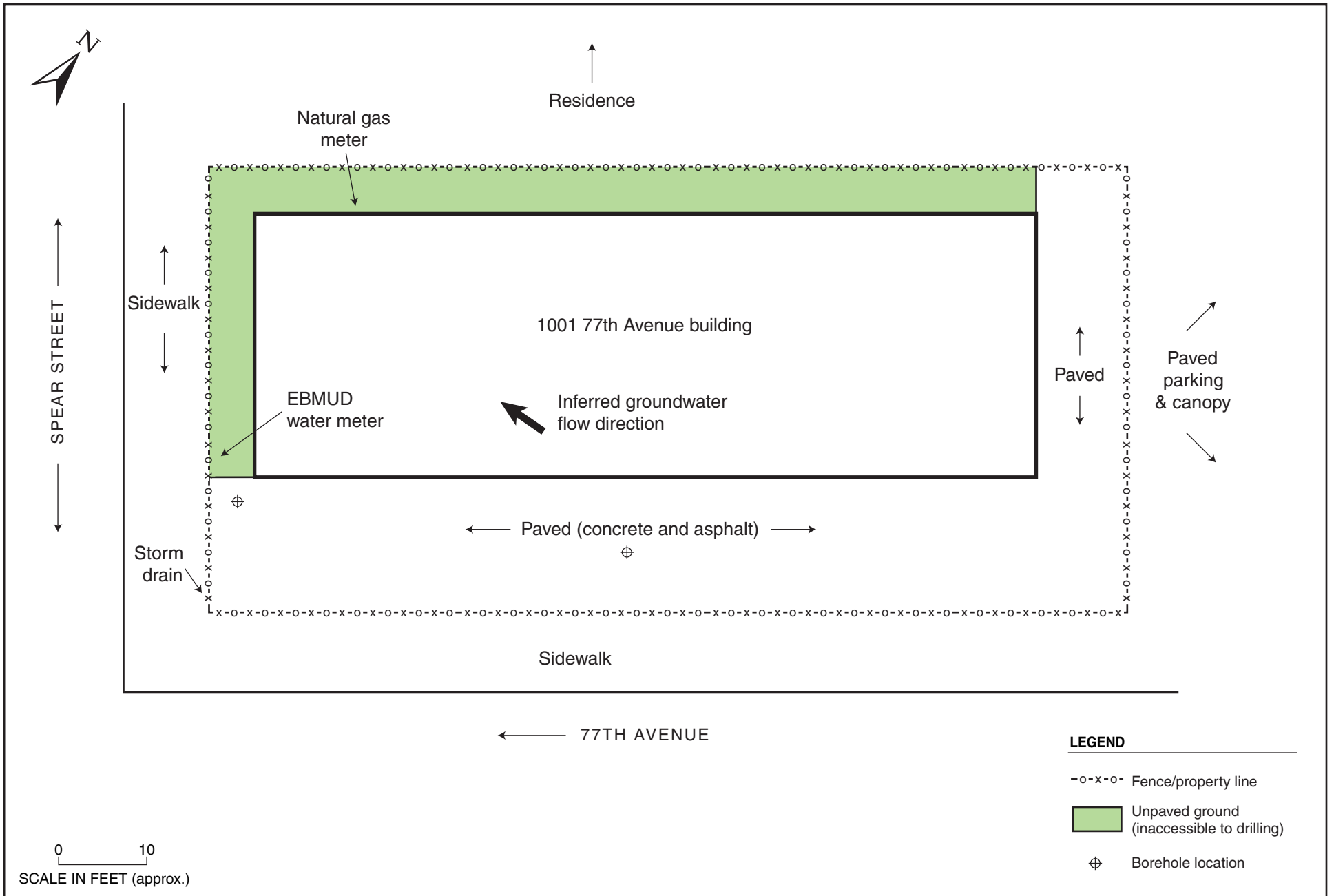
By: MJC

AUGUST 2005

Figure 1

★ Stellar Environmental Solutions, Inc.
Geoscience & Engineering Consulting

2005-51-01



obtained and reviewed all available Sanborn maps for the subject property (1925, 1950, 1952, 1960, 1965, 1968, and 1969), and reviewed them to determine if a UST was in fact noted, or if the maps contained any other information that might indicate the potential location of a UST. 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 USTs. A “Gas and Oil” notation on Sanborn maps generally (but not always) refers to USTs.
- **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.

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 UST) from at least 1950 to 1969. There were no regulatory agency records for a UST, although USTs were typically required to be permitted by that time.

Field evidence during the current work strongly suggests the presence of a former UST (discussed in more detail in subsequent sections). A water line and an electrical line (both abandoned) and a third cut-off pipe of unknown use run several feet underground, and extend from the building 10 feet to the south and terminate in an arc-shaped concrete patch. At the extreme southeast corner of the excavation, several feet off the subject property, we found an approximately 4-foot-wide by 8-foot-deep area of well-sorted sand material, indicative of UST excavation backfill material. Within that backfill, we found both a traffic bollard and a piece of dispenser related piping, neither in their installed configurations, indicating that the UST was removed and backfilled with sand, and that pieces of the equipment were thrown into the excavation. The size of the former UST(s) and the original excavation(s) are not known.

3.0 GEOLOGY AND HYDROGEOLOGY

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 previous investigations by the visual method of the Unified Soils Classification System (USCS) using continuous core soil samples from the two borehole programs.

Native materials encountered in boreholes and observed during excavation activities 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.

First occurrence of groundwater in the January 2005 excavation was at 8.5 feet bgs, observed to be infiltrating from the sidewalls of the excavation. A shallower (approximately 7 feet bgs) perched zoned of water was observed beneath the former UST excavation (southeast portion of the larger corrective action excavation). The perched water fully drained into the larger excavation. Depth to groundwater at the end of the day of the excavation was approximately 9.5 feet bgs.

Approximately 375 gallons of groundwater was removed by pumping (that day), which left the excavation dry. An additional 825 gallons of groundwater was pumped from the excavation the next day, and the water level after pumping was approximately 10 feet bgs. We returned to the site on January 18, 2006 (following a period of heavy rain), and groundwater was at approximately 6 feet bgs. An additional 3,800 gallons of groundwater was pumped from the excavation on January 20, 2006, which brought the groundwater level down to approximately 9 feet bgs.

4.0 DECEMBER 2005 GEOPHYSICAL SURVEY

This section summarizes the geophysical survey conducted to assess the presence or absence of the potential UST. Appendix B contains the geophysical survey documentation report.

GEOPHYSICAL SUBSURFACE SURVEY

On December 6, 2005, a geophysical survey was conducted by Subtronics Corp. (Concord, California). The survey was conducted along the entire southern side of the subject property building extending approximately 30 feet into 77th Avenue. The survey was conducted in an attempt to identify the presence or absence of USTs. No single utility location instrument can detect all types of buried utilities. It is therefore important to utilize a variety of instruments that are uniquely suited to a few tasks. The specialized equipment used for this task included:

- Radiodetection RD 400 Cable and Pipe Tracer;
- Fisher TW-6 M-Scope;
- Schonstedt GA-72CV; and
- GSSI SIR-3000 ground penetrating radar (GPR) unit.

Radiodetection RD 400 Cable and Pipe Tracer

The RD 400 cable locator is a hand-held instrument used to detect buried utilities. The primary application of the RD 400 is to pinpoint the path of electric lines and other power conductors such as CATV and telephone cables. Pipes made of steel or copper and pipes with tracer wire are also easily traced.

Fisher TW-6 M-Scope

The Fisher TW-6 M-Scope is a split box inductive locator and metal detector mounted on a 4-foot rod. The split box locator can detect metal lines “inductively.” The M-Scope is also used to detect buried metallic objects such as manhole covers and USTs. The depth limits of detection with a TW-6 M-Scope is approximately 5 feet.

Schonstedt GA-72CV

The Schonstedt GA-72CV is a hand-held magnetic locator approximately 2½ feet long, which functions as a magnetometer but does not log any data. The Schonstedt produces audio signals over buried of metal objects. The depth limits of detection with a Schonstedt is approximately 8 to 10 feet in an open field. Electromagnetic methods are the most frequently employed techniques to detect USTs and underground utilities made of or containing conductive materials—e.g., steel or copper. To detect these utilities using electromagnetic survey techniques, a radio frequency is induced onto the utility. This signal is carried by the conductor along its length and is detected aboveground with a radio frequency antenna. Often, buried electrical and telephone utilities radiate their own electromagnetic field and can be readily detected using the radio frequency receiver without inducing a current. By detecting the maximum signal strength at several locations, the surface trace of an underground utility can be determined.

GSSI SIR-3000 GPR Unit

A ground penetrating radar system graphically records subsurface structures. Both geological and man-made structures are recorded by the introduction of a pulse of electromagnetic energy into the ground. Reflected pulses received by the antenna are then processed for measurable contrast in electrical properties. The result is a visual pseudo-cross-sectional profile. Primary applications of the GPR are detecting USTs, buried drums, previously excavated areas (i.e., UST excavation), and metallic and non-metallic utilities. The GPR depth penetration is severely limited by clay-rich soil. Radar waves penetrate deeper in sandy and gravelly soils.

SUMMARY OF SUBSURFACE SURVEY

Several metal objects in the area of the geophysical survey were determined to potentially cause interference with instrument readings. These objects included the metal fence surrounding the property and metal rollup doors on the subject property building. Attached to the subject property building are two pipes that previously supplied water and electricity to an area south of the subject property building (possibly a fueling island); these lines were surveyed and determined to extend approximately 10 feet south of the building below ground before terminating at an arc-shaped concrete patch. A rectangular anomaly was detected at the western end of the subject property adjacent to the aforementioned belowground pipes. Metal rebar was also identified beneath the concrete in this area, and may also be causing the observed anomaly. The Subtonics Corp. documentation report was prepared by a licensed geophysicist, and includes a contour plot figure of the site showing anomalies; a copy of that report is included in Appendix A.

5.0 CONTAMINATED SOIL CORRECTIVE ACTION

This section summarizes the removal of residual hydrocarbon-contaminated soil associated with the former waste oil UST. Figure 2 (in Section 2.0) shows a site plan indicating the assumed location of the former UST and area of excavation. Figure 3 shows the excavation layout and sampling locations. Analytical results are discussed in a subsequent section. Photodocumentation of the corrective action is included in Appendix D.

PRE-FIELD WORK PLANNING

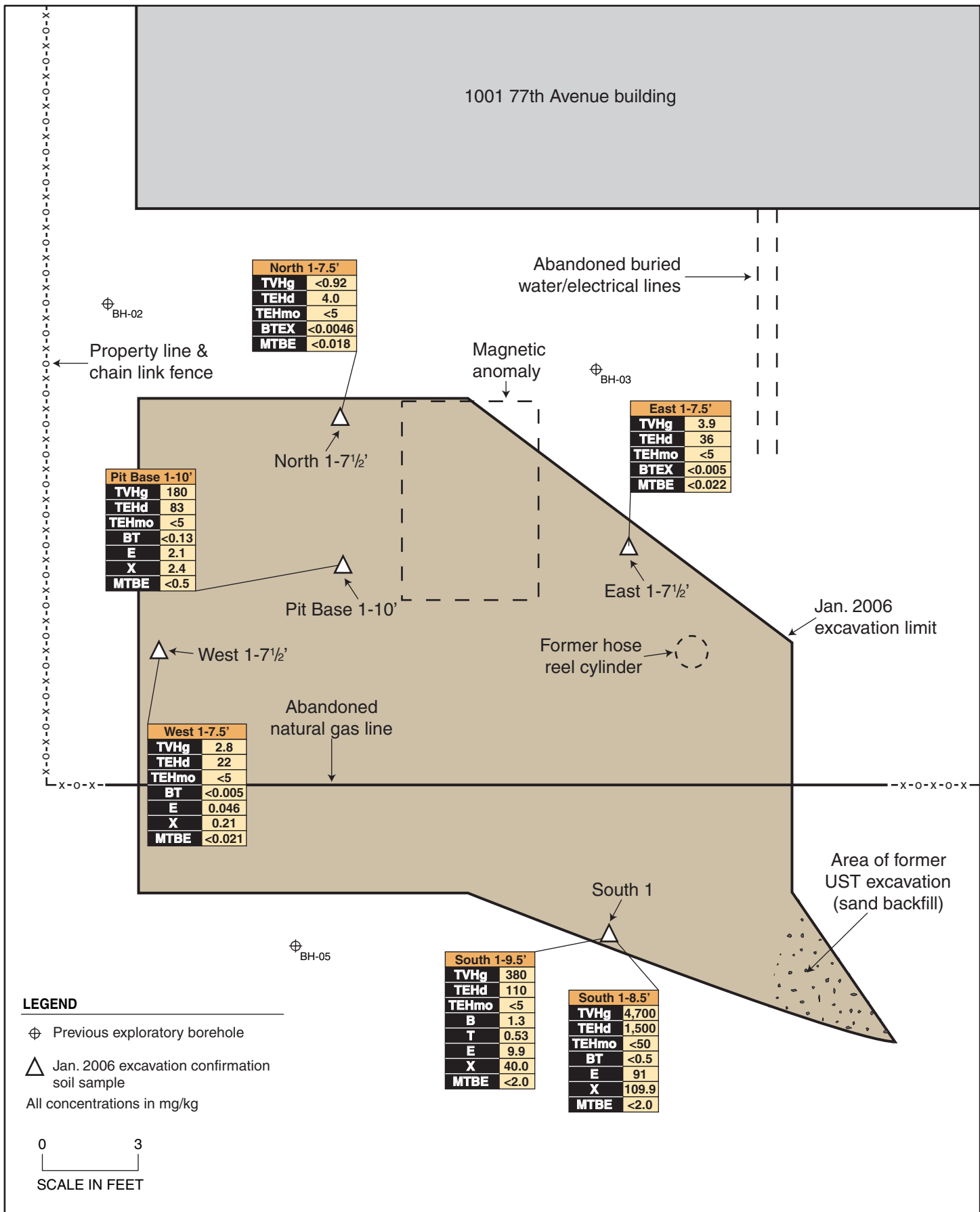
Prior to excavation activities, SES conducted the following planning activities:

- Updated the site-specific Health and Safety Plan (HASP) to include the excavation activities;
- Notified Underground Service Alert to inform any potential underground utility providers to mark the location of their utilities; and
- Notified the Bay Area Air Quality Management District (Regulation 8 Rule 40) of contaminated soil excavation (a copy of that notification is included in Appendix C).

SOIL EXCAVATION AND REMOVAL

On January 9, 2006, the concrete overlying the metallic anomaly was removed, which exposed a grid of 1-inch steel cables that were apparently used as reinforcement for the concrete. Soils were then excavated with a backhoe to a depth of approximately 11 feet below grade. No UST or UST-related backfill was encountered in the area of the magnetic anomaly; however, soil contamination was evident in the east and south sidewalls, and the sidewalls were therefore extended to the east and south. After the target depth of 10 feet bgs was reached, moisture was noted in the base of the excavation; however, groundwater was not infiltrating the excavation at that time.

Soil removed from the excavation was periodically screened with a photoionization detector (PID), which provided a qualitative evaluation of contamination to determine whether additional excavation was necessary and where excavation confirmation soil samples should be collected. The PID readings are fully discussed in Section 6.0.



JANUARY 2006 CORRECTIVE ACTION EXCAVATION WITH SOIL SAMPLE RESULTS

1001 77th Avenue
Oakland, CA

By: MJC

JANUARY 2006

FIGURE 3



Significant contamination (strong odor and PID readings up to 490 parts per million by volume air [ppmv]) was noted in the east and south sidewalls, with lesser evidence of contamination in the north and west walls. The excavation was extended to the east and to the south. During over-excavation of the eastern sidewall of the excavation, a below-grade hose reel device was uncovered. This piece of equipment may have been associated with the former fueling island used to service vehicles at the subject site.

During excavation activities, an underground utility line (tar-covered steel piping) was uncovered beneath the subject property perimeter fence. SES immediately notified local utility agencies of the line, and it was determined by PG&E that this line was likely an abandoned natural gas supply line. The line remained in place, and excavation activities were carefully conducted so as to not impact that utility line.

Excavation was extended approximately 3 feet to the south of the subject property, at which point further excavation was limited by encroachment into the public right-of-way (77th Avenue).

At the extreme southeast corner of the excavation, we encountered an apparent former UST excavation: an approximately 4-foot wide by 8-foot deep area of well-sorted sand fill material. In this sand backfill, we found a displaced steel dispenser riser pipe and a concrete-filled metal traffic bollard. These items were clearly not in-place, and had apparently been thrown into the former UST excavation during backfilling. We excavated approximately 4 feet into the backfill material and confirmed that no UST was present; we then halted excavation due to the public right-of-way constraint. The excavation appeared to extend to the southeast (toward 77th Avenue), but its limits were not determined.

The approximately 130 cubic yards of excavated soil was temporarily stockpiled adjacent to the excavation and was segregated into one inferred non-contaminated stockpile (upper soils) and two inferred contaminated stockpiles (lower soils). The stockpiles were wholly covered with plastic sheeting to minimize volatile emissions and to protect them from rainfall.

The final excavation was approximately 10 feet deep, and was within a stiff clay. As shown on Figure 3, the irregularly-shaped excavation measured approximately 20 feet long (east-west) and approximately 15 feet wide (north-south), comprising approximately 330 square feet. The excavation walls were vertical in most areas, with very little sloughing.

EXCAVATION CONFIRMATION SOIL SAMPLING

Six excavation confirmation samples were collected during and following the removal of contaminated soil (locations shown on Figure 3). These samples were collected with the teeth of

the backhoe; a trowel was then used to collect an aliquot of soil from the backhoe bucket for PID screening and for subsequent analysis by the analytical laboratory. The following samples were collected:

- **Pit Base 1 –10'** was collected from the base of the excavation beneath the area indicated to be the location of the magnetic anomaly; this sample was the only base of excavation sample collected prior to the infiltration of groundwater, and was collected from a low permeability clay.
- **North 1-7.5', East 1-7.5', and West 1-7.5'** were excavation sidewall samples collected at a depth of 7.5 feet, the zone of apparent maximum soil contamination in those locations, which corresponded to a visually distinct sandy/gravelly zone
- **South 1-8.5'** was collected near the former UST excavation in the zone of apparent maximum soil contamination, which corresponded to the aforementioned sandy/gravelly zone
- **South 1-9.5'** was collected directly beneath South 1-8.5', in a zone with less evidence of contamination, within the underlying clay.

All samples were placed into glass jars with Teflon lined lids, labeled, placed on ice, and submitted to the analytical laboratory under chain-of-custody.

PROFILING AND DISPOSAL OF STOCKPILED SOIL

One 4-point composite sample was collected from each of the three soil stockpiles, in new glass jars. The samples were analyzed for potential contaminants of concern (volatile- and extractable-range hydrocarbons; benzene, toluene, ethylbenzene and total xylenes [BTEX]; methyl *tertiary*-butyl ether [MTBE]; and lead). On behalf of the property owner, we prepared and submitted to AlliedWaste (the intended disposal facility) a waste profile package summarizing the analytical results. The landfill profile package is included in Appendix E.

As summarized in Table 1 (in Section 6.0), all of the stockpile samples had detectable hydrocarbon contamination; therefore, none of the soil was suitable for backfilling. On January 20, 2006, the 128 tons of contaminated soil was transported offsite by BK Bobcat, and was disposed of at AlliedWastes' Keller Canyon Landfill in Pittsburg, California. Documentation of soil offhaul is included in Appendix E.

GROUNDWATER PUMPING

Approximately 1,200 gallons of groundwater was pumped from the excavation on January 9 and 10, 2006 as a corrective action measure (to remove contaminant mass). A pre-pumping and a

post-pumping groundwater sample were collected for laboratory analysis. The pumped water was stored onsite in a 1,200-gallon plastic tank.

In the subsequent period, during which excavation confirmation soil samples were analyzed, a heavy rain occurred, causing groundwater in the excavation to rise to 6 feet bgs. To ensure competent excavation backfill compaction, an additional 4,800 gallons of groundwater was pumped from the excavation on January 20, 2006, directly into a vacuum truck. This brought the groundwater level down to approximately 1 foot off the bottom, sufficient for backfilling. Appendix E contains wastewater profiling and offsite transport documentation.

BACKFILLING AND SITE RESTORATION

Backfilling was conducted on January 20, 2006, immediately following removal of contaminated groundwater. Drain rock was emplaced in the base of the excavation (to bridge the groundwater), and the remainder of the excavation was backfilled with clean imported fill. The excavation was backfilled in approximately 1-foot lifts, and each lift was compacted with a whacker-type packer. The excavation was resurfaced with asphalt by Jim's Quality Paving on January 24, 2006. The site fencing will be returned to permanent condition in the near future.

6.0 ANALYTICAL RESULTS AND DISTRIBUTION OF CONTAMINANTS

REGULATORY CONSIDERATIONS AND SCREENING LEVELS

The Regional Water Quality Control Board (Water Board) has established Environmental Screening Levels (ESLs) as conservative numerical standards for evaluating the likelihood of environmental impact. ESLs are 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 (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 versus residential land use, and for sites where groundwater *is* a potential drinking water resource versus *is not* a drinking water resource. A Water Board published map of the East Bay shows areas where groundwater is and is not a potential drinking water resource.

In our professional opinion, the appropriate ESLs for the subject site are *commercial/industrial land use* and *groundwater is a potential drinking water resource*. This is based on both the property zoning status (commercial/industrial) and the designation of this area of Oakland as “Zone A – Significant Drinking Water Resource (Water Board, 1999).

ANALYTICAL METHODS

The initial site characterization documented contamination by the following constituents: gasoline; ethylbenzene; xylenes; MTBE (one groundwater sample only); diesel; and motor oil. Contaminants analyzed for and not detected include benzene and toluene; LUFT-related metals were not present at elevated concentrations. Therefore, all corrective action phase soil and groundwater samples were analyzed for:

- Total volatile hydrocarbons – gasoline range (TVHg), by EPA Method 8015B

- Total extractable hydrocarbons – diesel-range (TEHd) and motor oil range (TEHmo), by EPA Method 8015B
- BTEX and MTBE, by EPA Method 8020B

In addition, one stockpiled soil sample was analyzed for total lead, for disposal profiling purposes.

Appendix F contains the certified analytical laboratory reports and chain-of-custody records for the corrective action phase (excavation confirmation soil, excavation groundwater and stockpiled soil). All previous and current investigation soil and groundwater samples were analyzed by Curtis & Tompkins, Ltd. (Berkeley, California), which maintains current ELAP certifications for all the analytical methods utilized in this investigation.

ANALYTICAL RESULTS AND DISTRIBUTION OF CONTAMINANTS

Tables 1 and 2 show the corrective action phase analytical results. Appendix A contains previous borehole soil and groundwater analytical results, and isoconcentration (plume) maps based on those results.

Residual Soil Contamination

The soil contamination during the January 2006 excavation was fairly easily visually identified by its odor and PID readings, and in some places, its correlation with a sandy gravelly lens. The primary soil contaminants (maximum concentrations) are gasoline, ethylbenzene, and xylenes. Lesser concentrations of extractable-range (diesel and motor oil) hydrocarbons are also present. Only one sample elevated benzene concentrations, and no MTBE was detected. The PID readings show a strong correlation to hydrocarbon analytical results, demonstrating its use a field screening tool during excavation activities.

Contaminants Present

The analytical results indicate contamination by several different fuel compounds, including: gasoline, diesel fuel (“middle distillate” per the Water Board’s ESL criteria), and motor oil (“residual fuel” per the Water Board’s criteria). Motor oil and diesel chromatograms overlap (between approximately C20 and C24), and in some cases a “false positive” indication of motor oil contamination results from chromatogram overlap between diesel and motor oil. In this case, however, evaluation of the TEH chromatograms (Appendix F) indicates that both diesel and motor oil hydrocarbons are present.

Table 1
January 2006 Corrective Action Excavation Soil Analytical Results
1001 77th Avenue, Oakland, California

Sample I.D.	Sample Depth (feet)	PID (ppmv)	TVHg	TEHd	TEHmo	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Total Lead
Excavation Confirmation Soil Samples											
Pit Base 1-10'	10'	120	180	83	< 5.0	< 0.13	< 0.13	2.1	2.44	< 0.5	NA
East 1-7.5'	7.5'	54.8	3.9	36	< 5.0	< 0.0054	< 0.0054	< 0.0054	< 0.0054	< 0.022	NA
South 1-8.5'	8.5'	486	4,700	1,500	< 50	< 0.5	< 0.5	91.0	109.9	< 2.0	NA
South 1-9.5'	9.5'	397	380	110	< 5.0	1.3	0.53	9.9	40.0	< 0.5	NA
West 1-7.5'	7.5'	67.9	2.8	22	< 5.0	< 0.0052	< 0.0052	0.046	0.206	< 0.021	NA
North 1-7.5'	7.5'	4.6	< 0.92	4.0	< 5.0	< 0.0046	< 0.0046	< 0.0046	< 0.0046	< 0.018	NA
Soil ESLs		---	100	100	1,000	0.044	2.9	3.3	1.5	0.023	750
Stockpiled Soil Disposal Profile Samples (4-point composites)											
Stockpile 1	not applicable		460	86	47	< 0.13	0.56	11.0	26.8	< 0.5	NA
Stockpile 2	not applicable		20	96	100	< 0.0047	< 0.0047	0.14	0.114	< 0.019	NA
Stockpile 3	not applicable		36	30	12	< 0.025	0.068	0.44	1.43	< 0.10	6.9

Notes:

MTBE = methyl *tertiary*-butyl ether

NA = not analyzed for this constituent

PID = photoionization detector (field screening meter)

ppmv = parts per million by volume air

TEHd = total extractable hydrocarbons – diesel range

TEHmo = total extractable hydrocarbons – motor oil range

TVHg = total volatile hydrocarbons – gasoline range

All concentrations are in milligrams per kilogram (mg/kg).

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

Table 2
January 2006 Corrective Action Excavation Groundwater Analytical Results
1001 77th Avenue, Oakland, California

Sample I.D.	TVHg	TEHd	TEHmo	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Excavation Pit Water Samples								
Pre-Pumping	52,000	23,000	< 900	220	600	2,400	7,500	< 500
Post-Pumping	2,800	3,800	390	6.6	13	< 5.0	16.3	< 20
Groundwater ESLs	100	100	100	1.0	40	30	13	5.0
Tanked Water Disposal Profile Sample								
Tanked Water	14,000	5,500	480	190	220	890	2,320	< 40

Notes:

MTBE = methyl *tertiary*-butyl ether

TEHd = total extractable hydrocarbons – diesel range

TEHmo = total extractable hydrocarbons – motor oil range

TVHg = total volatile hydrocarbons – gasoline range

All concentrations are in micrograms per liter (µg/L).

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

Soil Contaminant Distribution

There was no field evidence of soil contamination in the stiff dark clay between ground surface and approximately 7 feet deep (i.e., discoloration, odor, or elevated PID readings). Contamination was evident in all four sidewalls, and much more so in the south and east sidewalls, beginning at approximately 7 feet deep. This depth generally corresponded to the top of an approximately 1- to 1.5-foot thick sandy gravelly lens. Field evidence of contamination was not present in the underlying stiff clay layer, to the north and west, but there was some evidence of contamination in the southeast portion of the excavation.

Soil contamination is highest in the southeast corner of the excavation, coincident with the former UST excavation. There is no evidence that any UST removal-related soil excavation, other than that necessary to remove the original UST backfill material, was conducted. Residual soil contamination to the north, west, and east appears to be minor. The excavation base (10 inches) shows exceedance of the ESLs by approximately 100 percent for gasoline and xylenes only. Based on the previous borehole analytical results and observations during the excavation, it is likely that soil contamination attenuates rapidly with depth.

In the area of the former UST excavation, contamination likely extends from the apparent base of the UST excavation (approximately 8 feet) downward several feet into the underlying clay. The lateral extent of soil contamination cannot be determined from the available data. In the apparent downgradient direction (to the west), soil contamination appears to have attenuated to near ESL levels within approximately 20 to 30 feet. It is very likely, therefore, that soil contamination does not extend to a greater extent in any other direction than in this direction.

The excavation confirmation soil sampling results are consistent with the results of the previous boreholes (three of which are located just beyond the excavation limits), which showed low to non-detectable soil contamination to the north, east, and west, and higher concentrations to the south.

Residual Groundwater Contamination Distribution

Contaminants detected at elevated levels in the excavation grab-groundwater samples were the same as those detected in previous borehole samples: gasoline, diesel, and BTEX. MTBE was not detected (although the elevated petroleum concentrations necessitated sample dilution and elevated reporting limits for MTBE). While motor oil-range contamination is quantified in the excavation post-pumping groundwater sample, evaluation of the chromatogram suggests that it is consistent with diesel-range contamination.

Contaminant concentrations were much higher in the corrective action excavation pre-pumping groundwater samples than the previous borehole groundwater samples. The excavation water samples were collected directly downgradient of the former UST excavation and highest soil contamination, while the previous borehole samples were either located crossgradient or farther downgradient.

There was a significant reduction (generally 1 order of magnitude) in all contaminant concentrations between the groundwater pre-pumping and post-pumping samples. This suggests that the limited groundwater pumping may have been successful in reducing contaminant mass in groundwater. Residual (post-pumping) groundwater contaminant concentrations still exceed ESL criteria for all compounds, except toluene and potentially MTBE.

Appendix A shows groundwater isoconcentration contour maps based on the previous borehole groundwater samples. These and the current (corrective action phase) data indicate a dissolved plume of gasoline (with associated BTEX), diesel, and motor oil that appears to originate from the former UST excavation (just south of the subject property's southern boundary) and extend in an elliptical configuration westward across the southern/southwestern portion of the property and then offsite to the west under Spencer Street. The plume appears to be approximately 70 feet long by approximately 30 feet wide. The lateral limits of the plume to the north and south are fairly well constrained by boreholes BH-03 and BH-05, respectively. It is unlikely that groundwater contamination extends to the east (upgradient) far beyond the former UST excavation. The extent of groundwater contamination to the west (downgradient) has not been defined, but likely does not extend beyond Spencer Street.

Site Conceptual Model

Soil and groundwater contamination has resulted from a former UST(s) containing gasoline, diesel fuel, and motor oil. The UST(s) was located just south of the subject property's southern boundary. While the UST was removed, contaminated soil beneath and adjacent to the UST were not removed at that time. Residual soil contamination is present from the depth corresponding to the UST bottom (approximately 7 to 8 feet deep) and extended (prior to recent corrective action) at least 25 to the west, likely with limited extent in other directions. While not fully characterized, the available data suggest that soil contamination is limited vertically, likely no more than 12 to 15 feet, by the low permeability of a competent clay layer beneath the contaminated soil zone.

Shallow groundwater has caused additional soil contamination at least to the west of the former UST excavation; the dissolved phase hydrocarbon contamination in the groundwater has adsorbed onto the soil, mainly within the capillary fringe zone, as the groundwater has migrated. This has left an estimated 2- to 3-foot-thick layer of contaminated soil in the seasonally

unsaturated capillary fringe. The corrective action was successful in removing a significant portion of this residual soil contamination; however, an undetermined quantity remains in the immediate vicinity of the former UST excavation.

Shallow groundwater in the vicinity of the UST excavation contains elevated levels of petroleum hydrocarbons resulting from the release. The resultant contaminant plume has migrated to the west, downgradient of the former UST(s). The concentrations shown at the downgradient borehole BH-02 show attenuation with distance from the source area; however, the lateral extent of the plume has not been fully defined. The limits of the plume will be determined by the mass of contamination in both soil and groundwater, hydrogeologic characteristics, and the ability of natural degradation processes to control the plume migration.

In our professional opinion, it is very possible that groundwater contaminant concentrations in developed groundwater monitoring wells will be lower than those observed in the exploratory boreholes and excavation grab-water samples, due to the filtering capacity of the well pack material.

Conducting additional groundwater characterization will, over time, determine the extent to which shallow groundwater will continue to be impacted by the residual soil contamination. This will best be accomplished by installing semi-permanent groundwater monitoring wells, and conducting quarterly (at least initially) groundwater monitoring, sampling, and analysis to evaluate plume stability and extent.

7.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

SUMMARY AND CONCLUSIONS

- Usage of UST(s) is indicated by site historical documentation (Sanborn maps), and physical evidence during corrective action excavation (backfill material with pieces of UST equipment within). The former UST(s) was located several feet off the property (in the sidewalk area), and is no longer present.
- Site soil and groundwater has been contaminated by gasoline (and associated aromatic hydrocarbons), diesel, and motor oil.
- 128 tons of contaminated soil was removed from the vicinity of the former UST(s), to a depth of 10 feet, and disposed of at a permitted non-hazardous landfill. The resultant excavation comprised approximately 330 square feet. Full exposure/excavation of the former UST excavation was precluded by its offsite location (under the public right-of-way).
- 6,000 gallons of contaminated groundwater was pumped from the excavation and sent to a non-hazardous wastewater recycling facility. The excavation was approximately 14 feet long by 6 feet wide by 12 feet deep.
- Field evidence suggests that soil contamination begins at a depth of approximately 7 feet, and likely does not extend deeper than several feet into the underlying low permeability clay (likely 11 or 12 feet deep). Residual soil contamination appears to be minimal to the north, east, and west portions of the corrective action excavation. To the south/southeast (underneath and in the immediate vicinity of the former UST[s]), an unknown quantity of contaminated soil remains. Maximum residual soil contamination documented in that area includes 4,700 mg/kg of gasoline and 1,500 mg/kg of diesel.
- Neither benzene nor MTBE appear to be primary site contaminants in either soil or water.
- Groundwater in the immediate vicinity of the former UST(s) occurs at a depth of less than 10 feet, and appears under at least semi-confining conditions, rising as high as 6 feet below grade. Thus, groundwater is in contact with residual contaminated soil. The lateral extent of groundwater contamination has not been fully characterized, but appears to be in elliptical configuration with its long axis being east-west, the inferred

groundwater flow direction. Groundwater contamination above ESL criteria is present offsite to the south (under 77th Avenue) and to the west (under Spencer Street).

- While the corrective actions removed a substantial mass of contamination, shallow groundwater will likely continue to be impacted by the residual soil contamination by desorption from soil into groundwater. Groundwater contamination will migrate downgradient from the source area, primarily by advection. The extent of the contaminant plume will be determined by the mass of residual soil contamination, hydrogeologic characteristics, and the ability of natural degradation mechanisms to reduce contaminant mass.
- Notification of the release (including submitting previous investigation reports) has been made to the lead regulatory agency (Alameda County Health).
- To achieve regulatory site closure, the following three closure criteria must be satisfied:
 1. *Remove the contaminant source (i.e., the UST and accessible contaminated soil).* This criterion has been principally satisfied by the January 2006 corrective action;
 2. *Characterize the lateral and vertical extent of groundwater contamination, and evaluate the stability of the contaminant plume.* This is generally satisfied by installing three (at a minimum) groundwater monitoring wells and conducting quarterly groundwater monitoring/sampling (1 year minimum). Alameda County Health will likely require that a technical workplan be submitted in which the specifics of the groundwater characterization program are discussed. Two of the wells likely will be required to be located in the public right-of-way (owned by the City of Oakland). This will necessitate special encroachment permits from the City of Oakland Engineering Department, over and above the normal well installation permits.
 3. *Ensure that there are no unacceptable risks posed by the residual contamination (i.e., there are no potential impacts to sensitive receptors such as drinking water wells or surface water bodies).* This is most appropriately conducted after the extent of groundwater contamination has been characterized.

RECOMMENDATIONS

We recommend following up with Alameda County Health following their receipt of this report, to discuss the requirements to move the site towards regulatory closure. We further recommend that the Alameda County Health-requested work be implemented, and that all future technical reports be provided to the appropriate regulatory agencies, including electronic uploads to Alameda County Health's ftp system and the State Water Board's GeoTracker system.

8.0 LIMITATIONS

This report has been prepared for the use of Acts Community Development, the regulatory agencies, and their authorized assigns and/or representatives.

The findings and conclusions presented in this report are based on: records and historical land use search (June and July 2005); an initial borehole sampling program (August 2005); a subsequent borehole sampling program (October 2005); and corrective action consisting of soil and groundwater removal and confirmation sampling (January 2006).

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 of the area. The personnel performing this assessment 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.

9.0 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.

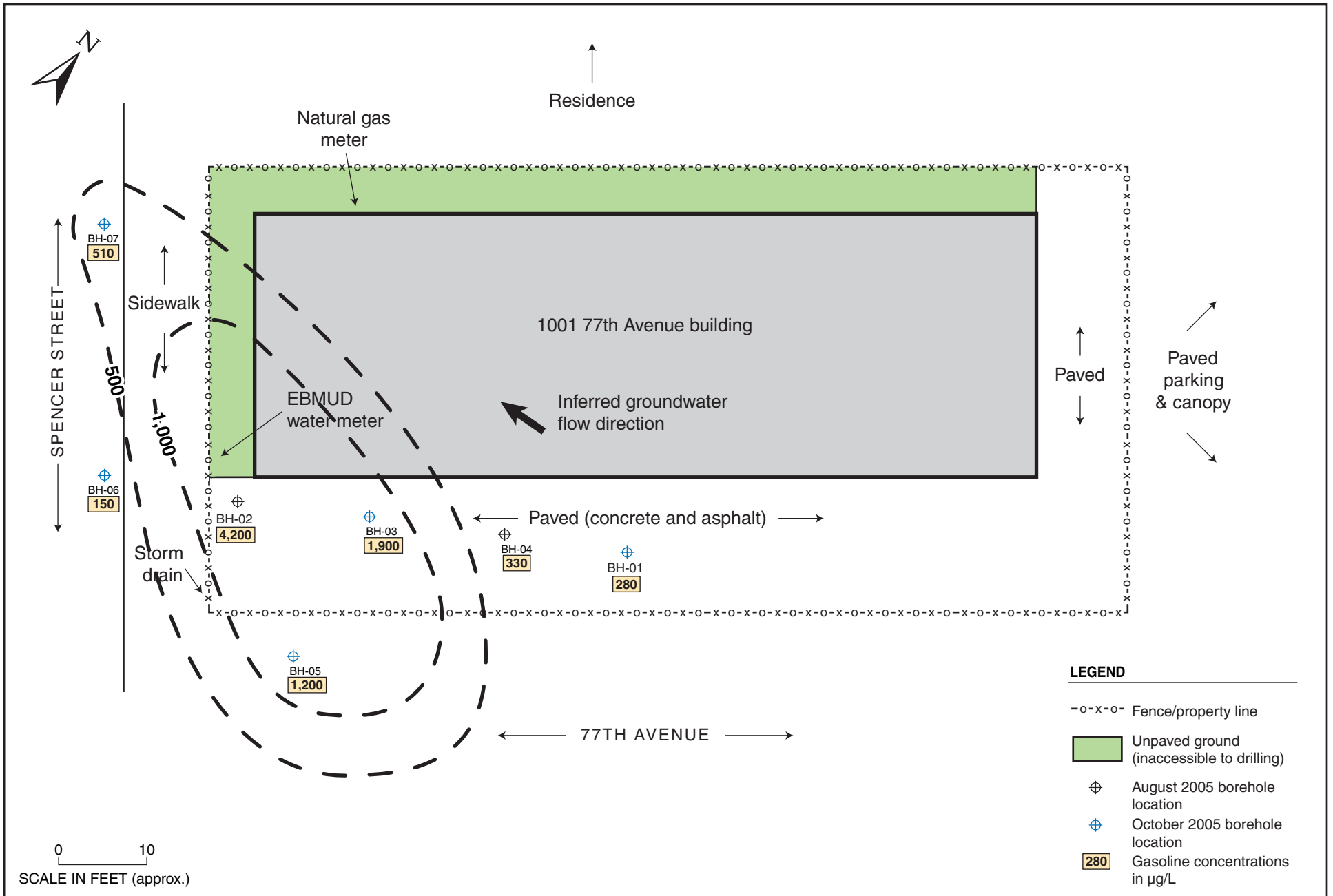
Regional Water Quality Control Board – San Francisco Bay Region (Water Board), 1999. East Bay Plains Beneficial Use Study, San Francisco Bay. June 15.

Stellar Environmental Solutions, Inc. (SES), 2005a. Report of Findings for Limited Phase II Investigation, 1001 77th Avenue, Oakland, California. September 6.

Stellar Environmental Solutions, Inc. (SES), 2005b. UST-Related Subsurface Site Investigation, 1001 77th Avenue, Oakland, California. November 7.

APPENDIX A

Previous Analytical Results and Plume Maps



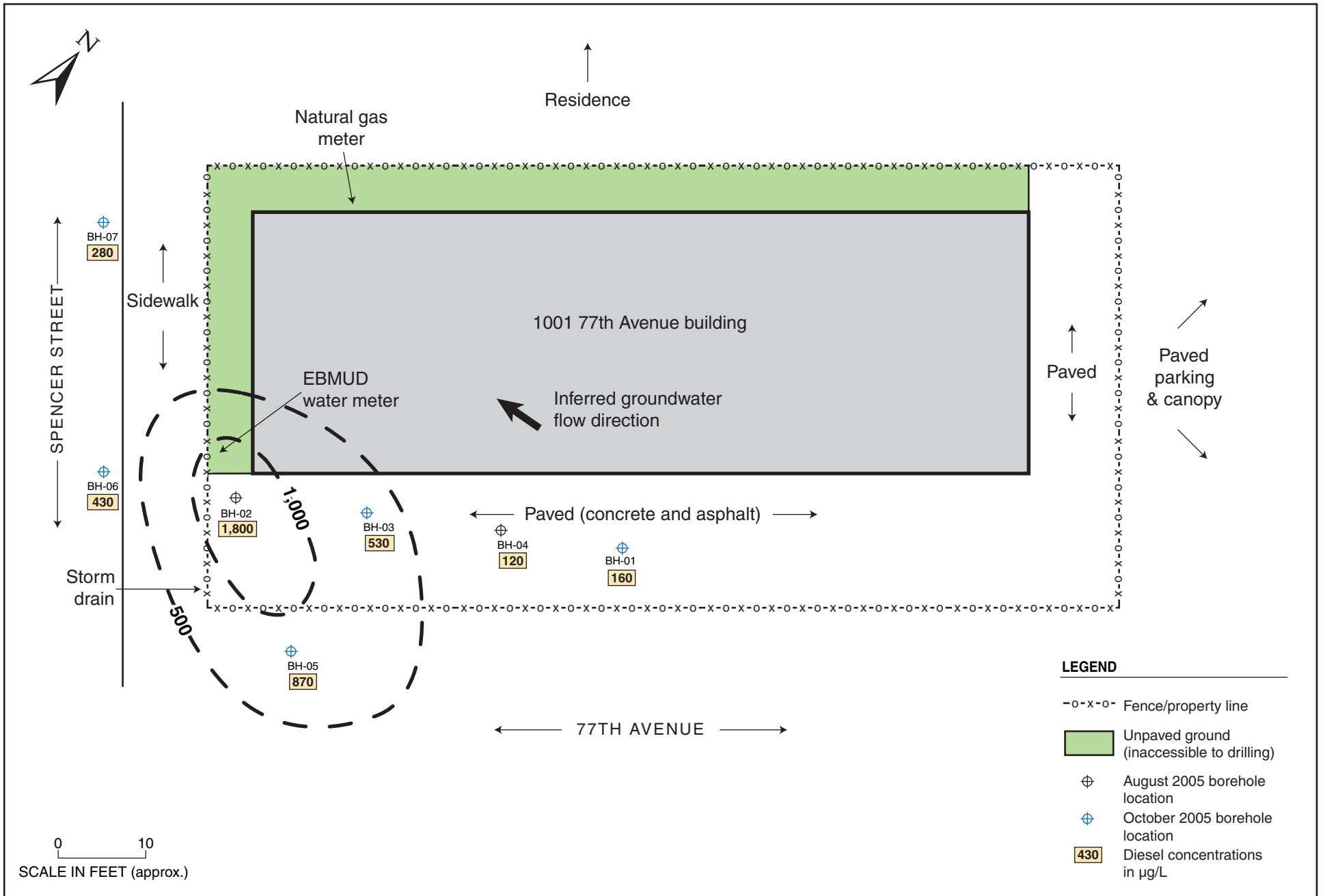
GASOLINE GROUNDWATER ANALYTICAL RESULTS

1001 77th Avenue, Oakland, CA

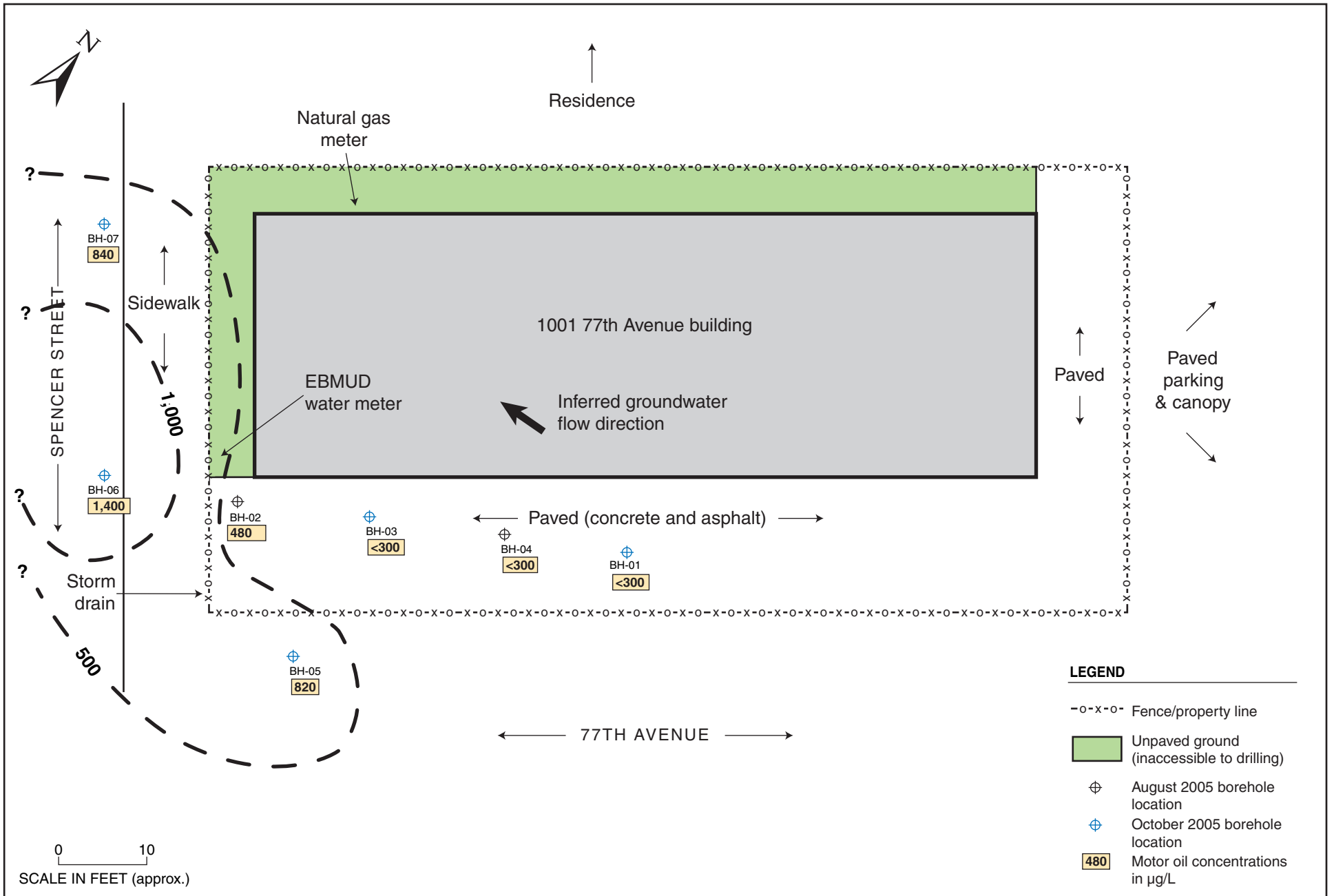
Figure 3

by: MJC

NOVEMBER 2005



2005-51-09



2005-51-10

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

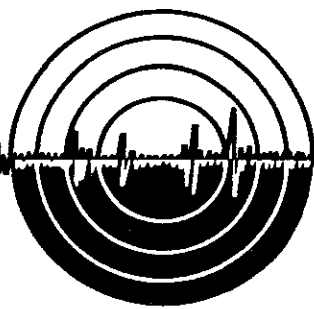
NLP = no level published

All concentrations are in µg/L.

APPENDIX B

Geophysical Survey Documentation

subtronic corp



National Utility Location
Contractors Association Member

2430 Sprig Court, Suite C
Concord, California 94520
Telephone (925) 686-3747
Fax No. (925) 686-5281
www.subtronic.com

GEOPHYSICAL SUBSURFACE INVESTIGATION

for
Stellar Environmental
at
1001 77th Avenue
Oakland, California

SUBJECT

Geophysical subsurface investigation for underground storage tanks

SITE LOCATION AND DESCRIPTION

On December 6, 2005, Subtronic conducted a subsurface geophysical survey at a property located at 1001 77th Avenue Oakland, CA. The surveyed area was located on a concrete and asphalt paved area south the building located at 1001 77th Avenue. The area surveyed was approximately 100 feet by 35 feet. A cyclone fence surrounds the property and is in the middle of the surveyed area.

Site History

According to Stellar Environmental, the soil borings located near the southwest corner of the 1 story white building had high concentrations of diesel fuel.

GEOPHYSICAL EQUIPMENT

The specialized equipment used at the site includes a RD 400, TW-6 M-Scope, Schonstedt GA-72CV, the 858 Magmapper and GSSI system 3000 ground penetrating radar (GPR).

Radiodetection RD 400 Cable and Pipe Tracer

The RD 400-cable locator is a hand-held instrument used to detect buried utilities. The primary application of the RD 400 is to pinpoint the path of electric lines and other power conductors such as CATV and telephone cables. Pipes made of steel or copper and pipes with tracer wire are also easily traced.

TW-6 M-Scope

The Fisher TW-6 M-Scope is a split box inductive locator and metal detector mounted on a four-foot rod. The split box locator can detect metal lines "inductively". The M-Scope is also used to detect buried metallic objects such as manhole covers, underground storage tanks, etc... The limits of detection with a TW-6 M-SCOPE is about 5 feet deep.

Schonstedt

The Schonstedt is a hand held magnetic locator about 2 ½ feet long which functions as a magnetometer but does not log any data. The Schonstedt produces audio signals over buried of metal objects. The limits of detection with a Schonstedt is about 8 to 10 feet deep in an open field.

GSSI SIR-3000

A ground penetrating radar system graphically records subsurface structures. Both geological and manmade structures are recorded by the introduction of a pulse of electromagnetic energy into the ground. Reflected pulses received by the antenna are then processed for measurable contrast in electrical properties. The result is a visual pseudo-cross-sectional profile.

Primary applications of the GPR are detecting UST's, buried drums, previously excavated areas, i.e., UST excavation, and detecting metallic and non-metallic utilities.

The GPR depth penetration is severely limited by clay-rich soil. Radar waves penetrate deeper in sandy and gravelly soils.

Survey Methodology:

First, a visual inspection was conducted at each site. Underground utilities, vaults, boxes, exposed piping, topographic mounds and depressions were noted. Exposed piping or risers found on the site were energized, traced out and the surface location was spray painted on the ground.

Then the split box locator was used to scan the site in two orthogonal directions, and utilities detected by the locator were marked on the ground. Then the site is scanned with the magnetic locator in only one direction. The location of the anomalies detected with the split box locator and Schonstedt were noted on a map

The 858 Magmapper magnetometer data was collected on traverses oriented east to west spaced 5 feet apart. The magnetometer data was downloaded to a laptop and contoured using Surfer. All marked anomalies are scanned with ground penetrating radar. The radar-grams are visually inspected for UST type anomalies.

SURVEY RESULTS

A visual inspection indicated the metallic objects which would negatively affect the metal detectors and magnetometer survey. These include a metal fence running through the middle of the survey area, steel roll-up doors on the south side of the building and a steel canopy which overhangs into the survey area. Also noted from the visual inspection were a water line, an electric line and a pipe which was cut off at ground level (for location see Figure 1). These pipes were traced out approximately 10 feet south of the building to an arc shaped concrete patch.

Traverses with the split box survey indicated buried metal westward from where the water, electric and unknown pipe were traced out, to the fence. Note rebar was detected in the concrete paved area west of the water, electric and unknown lines. The rebar would prevent us from identifying a UST with the split box locator. Traverses

with the magnetic locator identified a rectangular shaped anomaly west of the previously described buried pipes (see Figure 1, location of possible UST).

Because of the steel canopy, the site was surveyed with the magnetometer at two different heights, one at approximately 2.5' and the other at 6.5' above ground. After contouring both surveys it was apparent that the survey using the lower sensor was more difficult to interpret, so in this report we are only presenting the contour map for the higher sensor configuration. The contour map shows the effects from the cyclone fence and a buried gas line. In the eastern half of the map the effects from the roll up door do not seem apparent, so we assume the high concentration of contour lines in the western half may be associated with something other than the building. An anomaly detected by the Schonstedt, marked as possible UST, is shown in Figure 1 in an area with many contour lines. Note due to the close proximity of many metal cultural features, it is difficult to interpret from the contour map a UST type magnetic anomaly. A UST magnetic anomaly is typically characterized as dipole with low contours oriented in the north and high contours in the south.

Ground penetrating radar data was collected over much of the northwest portion of the survey area. The radar penetration was interpreted to be no greater than 2 feet. No UST type anomaly was identified from the radargrams.

Based on the data from the two hand held metal detectors and the magnetometer contour plots, we interpret there may be a UST at the location marked on the ground in orange paint and identified on the contour map as possible UST location on Figure 1.

Limitations

The subsurface geology, object size and composition, burial depth, above ground metallic cultural features, affect the size and shape of geophysical anomalies and, which may impede their detection. Geophysical anomalies may not represent unique solutions. Apparently similar anomalies may be created by different subsurface phenomena creating "false positives".

The limits of discernment of this survey are the detection of objects within five feet of metal fences, buildings, vehicles and other identified objects.

Report Prepared By:

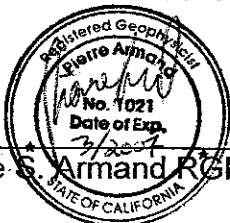
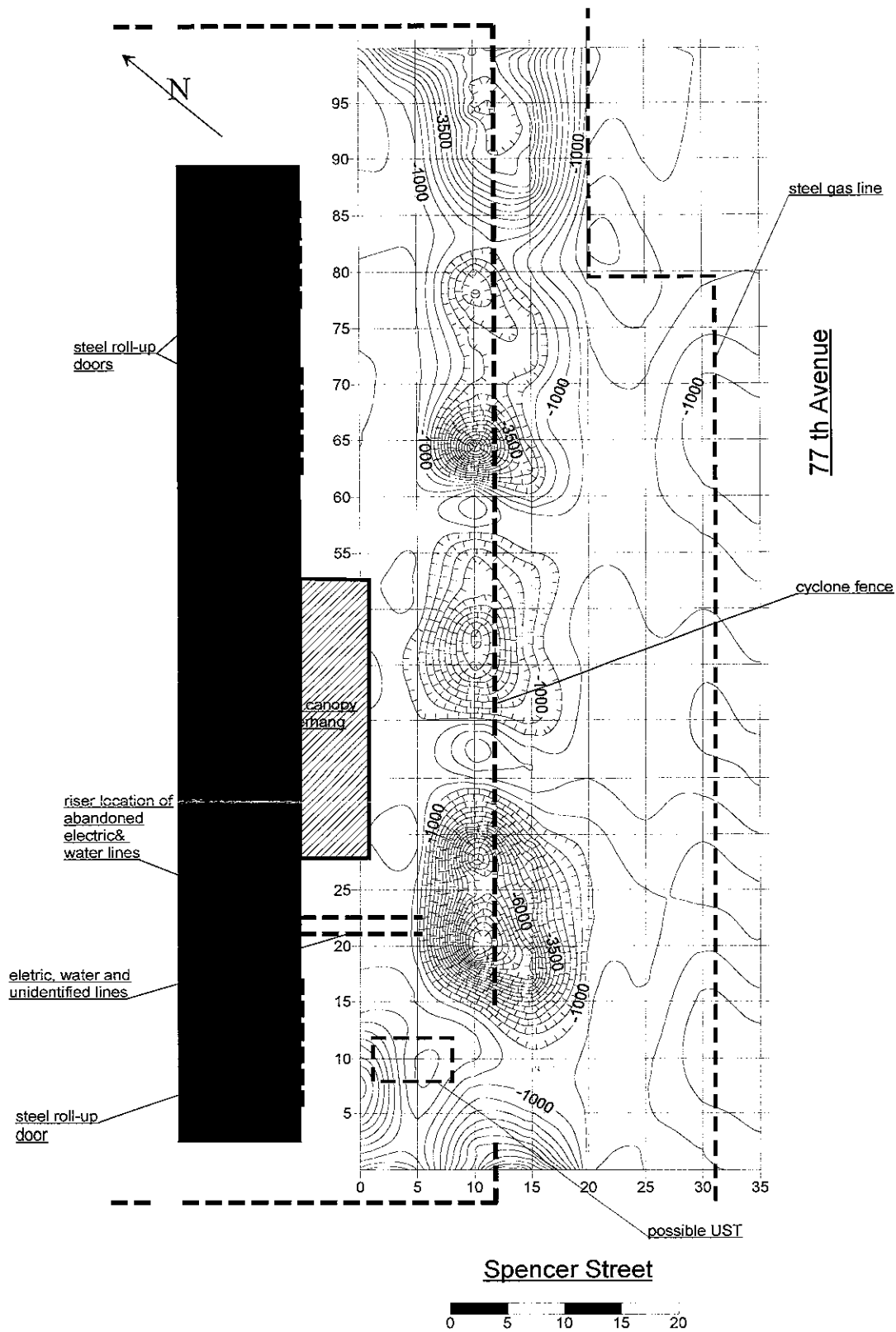

Pierre S. Armand RGP 1021

Figure 1

Contour Plot of Vertical Gradient Magnetometer Data
Site is 1001 77th Avenue
Sensor Height is 5' and 7' Above the Ground



APPENDIX C

Regulatory Notifications



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

COMPLIANCE & ENFORCEMENT DIVISION

Notification Form

Regulation 8
Rule 40

REMOVAL OF UNDERGROUND STORAGE TANKS OR TREATMENT OF CONTAMINATED SOIL

SITE OF ACTIVITY

Site Address: 1001 77th Avenue City & Zip: Oakland, CA Site#: _____
 Specific Location of Project within Address: southern corner of property, at Spencer St and 77th Ave
 Owner/Operator: Acts Community Development – Oakland, CA

Check any that apply (400 numbers refer to regulation section requiring reporting):

- Tank Removal or Replacement (401) Contaminated Soil Excavation and Removal (402)
- Aeration of Soil < 50 ppmw organic content, but does not meet Section 118 Exemption (403)
- Section 114 Exempt; Date Pipeline Leak **Started:** _____ Vol. Of Soil: _____ (403)
- Section 115 Exempt; Date Contamination Unrelated to UST Activities **Discovered:** _____ (405)

If only Tank Removal is selected, attach results showing soil is not contaminated

CONTRACTOR INFORMATION

Name: Speelman Excavation Site Contact: Harold Speelman Phone: 209-599-1656
 Address: 1648 Fairway Oaks Court, Lippon, CA 94366

TANK REMOVAL (Section 401)

Scheduled Start Date: Jan 9, 2006 Number and Size of Tank(s): unknown, UST may not be present

Explain Methods of:

Piping drainage or flushing (310.1) _____
 Liquid and sludge removal (310.2) _____

Vapor removal (310.3) [Check One] Water Displacement Vapor Freeing* Ventilation*

* Emission controls required for vapor freeing or ventilation if tank size greater than 250 gallons.

COMPLETE INFORMATION BELOW OR ATTACH SAMPLE RESULTS SHOWING SOIL IS UNCONTAMINATED (310.4)

CONTAMINATED SOIL EXCAVATION AND REMOVAL (Section 402)

Scheduled Start Date: January 9, 2006 Scheduled Completion Date: January 23, 2005

Purpose of Excavation: remove any residual contaminated soil that may be present

Quantity of Soil: potentially up to 100 cubic yards Organic Content & Type: gas/diesel/BTEX

Methods used to quantify and analyze soil: weight tickets (quantify) and excavation/stockpile sampling/analysis

Method of Stockpile Control (304-306)

Water Spray Covered Vapor Suppressant (List Material Used): _____

Method of Site Closure (306)

Backfilled Contaminated Soil Removed

Onsite Treatment (Describe): _____ A/C or P/O #: _____

Loaded Trucks Covered? (306.2) Yes No

AERATION OF SOIL < 50 PPMW ORGANIC CONTENT (Section 403)

You must submit a Permit Application and Risk Screening Analysis (Forms will be sent to you)

FOR BAAQMD USE ONLY

Fax/PM Date: _____ By: _____ Disp to I#: _____ Area: _____ Date: _____ By: _____

Inv Req Date:	By:	Fwd to Supv.	Date:	By:
OTHER PUBLIC AGENCY CONTACTED (Fire District, Hazardous Materials, City or County)?				
Agency Name: Alameda County Env. Health Dept.		Contact Name: Ms. Donna Drogos		
Address: 1301 Harbor Bay Pkwy, Suite 250, Oakland, CA 94502			Phone: 510/567-6700	
EMERGENCY REMOVAL ORDER APPLICABLE?				
Agency Name:		Contact Name:		
Address:			Phone:	

H:\Pub_data\Janet\Reg 8-40\forms\notifdraft3.doc

GENERAL INFORMATION

- This notification form shall be used to notify the BAAQMD of any projects subject to the reporting requirements in Regulation 8, Rule 40, Sections 401 through 405. Notifications may be faxed to (415) 928-0338 or mailed to the address listed at the bottom of this form.
- An invoice for payment will be sent to the person listed under "Contractor Information" as the person responsible, unless the project is exempt from fee payment (see next item).
- See "Frequently Asked Questions" (FAQ) for definition of projects, change procedures, permit requirements, emergency conditions, project exemptions, and fee exemptions. For any questions not answered in the FAQ, contact the Compliance Assistance Counselor at (415) 749-4999.

INSTRUCTIONS

- **SITE OF ACTIVITY:** Give the site street address and indicate if it has any existing BAAQMD site number, for either a plant or GDF. Identify the specific project location if the site contains more than one building. Indicate all applicable activity types by checking appropriate boxes. For reporting requirements under Sections 401 through 403, additional information is required, as below.
- **CONTRACTOR INFORMATION:** Identify the contractor that is responsible for performing the work at the site location listed. This contractor is also responsible for payment of the applicable notification fee, if the project is not exempt.
- **SECTION 401 - TANK REMOVAL/REPLACEMENT:** All soils disturbed and/or excavated as part of the tank removal shall be subject to the requirements of Sections 304 through 306, unless the soil has been determined not to be contaminated by measurement of organic content using the procedures in Sections 601 and 602. Complete requirements for Section 402 or submit sample results showing that the soil is not contaminated.
- **SECTION 402 - CONTAMINATED SOIL EXCAVATION AND REMOVAL:**
 - Be as accurate as possible for the Scheduled Start and Completion Dates. Specific requirements apply for excavation projects triggered within either 45 or 90 days (Reg. 8-40-306.4) and Authority to Construct requirements for projects lasting longer than three months (Reg. 2-1-128.16).
 - If a vapor suppressant is used, attach a product data sheet or MSDS.
 - If Method of Site Closure used is Onsite Treatment, describe specific method, (e.g., bioremediation, vapor extraction, air sparging, thermal desorption, etc.).
 - If Onsite Treatment is used, indicate whether an Authority to Construct was obtained by providing the Application No. or attach copy of BAAQMD Certification of Exemption.
- **SECTION 403 – AERATION OF SOIL < 50 PPMW ORGANIC CONTENT:** Section 301 exempts from control the aeration of soil containing less than 50 ppmw of organic compounds, but Section 403 still requires reporting of **ANY** soil aeration. If such a project does not meet the exemption criteria of Section 118, then a Permit Application and Risk Screening Analysis must be submitted.
- **EMERGENCY REMOVAL INFORMATION (IF APPLICABLE):** The rule defines an emergency tank removal or excavation of contaminated soil as "carried out pursuant to an order of a state or local government agency issued because the contaminated soil poses an imminent threat to public health and safety." If the project(s) meet this definition, then identify the agency that issued the order. Under Section 402 requirements, on line two, identify the purpose as indicated in the order.

STELLAR ENVIRONMENTAL SOLUTIONS, INC.

2198 Sixth Street
Berkeley, CA 94710
Telephone: (510) 644-3123
Fax (510) 644-3859

fax

To: Bay Area Air Quality Management District

Fax #: 415-928-0338

From: Bruce Rucker – Stellar Environmental Solutions

Date: December 30, 2005

Subject: Regulation 8 Rule 40 Notification Transmittal
1001 77th Avenue, Oakland, CA

Pages 3 (including this cover sheet)

NOTES: Please find attached the completed Regulation 8 Rule 40 Notification form for the referenced site. Please note that this notification covers both contaminated soil removal (Section 402) and potentially removal of a UST (if found) (Section 401).

December 30, 2005

Ms. Donna Drogos – Supervisor
Alameda County Health Care Services Agency
Department of Environmental Health
Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Unauthorized Release/Contamination Site Report Notification
1001 77th Avenue, Oakland, California

Dear Ms. Drogos:

On behalf of the Responsible Party (Acts Community Development – property owner), Stellar Environmental Solutions, Inc. (SES) is providing to Alameda County Environmental Health Department (Alameda County Health) this initial notification of petroleum contamination recently discovered at the referenced site during a potential property sale environmental assessment. Attached is a completed Unauthorized Release/Contamination Site Report form, as well as as copies of the September and November 2005 reports of drilling and sampling investigation in which contamination was discovered. Those reports document onsite-sourced petroleum hydrocarbon contamination in soil and groundwater, indicative of an onsite UST. Subsequent to the recent drilling investigation, a geophysical (magnetometer) survey was conducted that identified a magnetic anomaly suggestive of a UST in the area of contamination.

The property owner has elected to conduct an interim corrective action consisting of exploratory soil excavation to determine if a UST is present (and remove -it if present), removal of residual contaminated soil in the inferred source area, and limited excavation groundwater pumping/disposal. The corrective action, to be implemented over an approximately two week period beginning January 9, 2005, will be discussed in a technical documentation report to be submitted to Alameda County Health. That report will provide our professional opinion and make recommendations as warranted for further work that may be necessary to meet Alameda County Health requirements for moving the site toward regulatory closure.

At such time as Alameda County Health assigns an "RO" case number, we will make appropriate electronic report uploads to your "ftp" system, and when the California Water Board assigns the site to its GeoTracker system, we will make the required electronic uploads to that system.

Please contact us if you have any questions. Should you wish to contact the Responsible Party directly, the contact person is Bishop Robert Jackson at 510-568-4317.

Sincerely,



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



Richard S. Makdisi, R.G, R.E.A
Principal

Attachments: Unauthorized Release/Contamination Site Report (completed)
 September 6, 2005 *Report of Findings for Limited Phase II Investigation*
 November 7, 2005 *Report of Findings for UST-Related Subsurface Site Investigation*

cc: Bishop Robert Jackson – Acts Community Development

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/ CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
REPORT DATE	CASE #	SIGNED _____ DATE _____

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Bruce Tucker	PHONE 510-644-3123	SIGNATURE Bruce M. Tucker
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> REGIONAL BOARD <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> OTHER... Consultant for owner	COMPANY OR AGENCY NAME Stellar Environmental Solutions Inc.	
ADDRESS 2118 Sixth St #201 Berkeley CA 94709			

RESPONSIBLE PARTY	NAME Acts Community Development <input type="checkbox"/> Unknown	PHONE 510/518-7217
	ADDRESS 1034 66th Ave. Oakland CA 94601	

SITE LOCATION	FACILITY NAME (IF APPLICABLE) Vesant Commercial	OPERATOR not applicable	PHONE not applicable
	ADDRESS 1001 77th Avenue Oakland CA 94601 CROSS STREET Spences Street		

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Environmental Health Dept; Local Oversight Program	PHONE 510/937-6700
	REGIONAL BOARD Region 2 San Francisco Bay	PHONE 510/600-2200

SUBSTANCES INVOLVED	(1) NAME Gasoline	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> Unknown
	(2) NAME Diesel/motor oil	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> Unknown

DISCOVERY/ABATEMENT	DATE DISCOVERED September 2005	HOW DISCOVERED <input type="checkbox"/> Tank Test <input type="checkbox"/> Tank Removal <input type="checkbox"/> Nuisance Conditions <input type="checkbox"/> Inventory Control <input type="checkbox"/> Subsurface Monitoring <input type="checkbox"/> Other... drilling investigation
	DATE DISCHARGE BEGAN unknown	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> Unknown <input type="checkbox"/> Remove Contents <input type="checkbox"/> Close Tank <input type="checkbox"/> Repair Tank <input type="checkbox"/> Change Procedure <input type="checkbox"/> Replace Tank <input type="checkbox"/> Other... <input type="checkbox"/> Repair Piping
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, DATE _____	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> Tank Leak <input type="checkbox"/> Piping Leak <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Other...	CAUSE(S) <input type="checkbox"/> Overfill <input type="checkbox"/> Corrosion <input type="checkbox"/> Rupture/Failure <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Spill <input type="checkbox"/> Other...
--------------	--	--

CASE TYPE	CHECK ONE ONLY <input type="checkbox"/> Undetermined <input type="checkbox"/> Soil Only <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Drinking Water	- (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
-----------	--	---

CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> No Action Taken <input type="checkbox"/> Leak Being Confirmed <input type="checkbox"/> Remediation Plan <input type="checkbox"/> Preliminary Site Assessment Workplan Submitted <input type="checkbox"/> Preliminary Site Assessment Underway	<input type="checkbox"/> Case Closed (Cleanup Completed or Unnecessary) <input type="checkbox"/> Pollution Characterization <input type="checkbox"/> Post Cleanup Monitoring in Progress <input checked="" type="checkbox"/> Cleanup Underway
----------------	--	--

REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> Cap Site (CD) <input type="checkbox"/> Excavate & Treat (ET) <input type="checkbox"/> Treatment at Hookup (HU) <input type="checkbox"/> Other... <input type="checkbox"/> Contamination Barrier (CB) <input type="checkbox"/> No Action Required (NA) <input type="checkbox"/> Enhanced Bio Degradation (IT) <input type="checkbox"/> Vacuum Extract (VE) <input checked="" type="checkbox"/> Remove Free Product (FP) <input type="checkbox"/> Replace Supply (RS) <input checked="" type="checkbox"/> Excavate & Dispose (ED) <input checked="" type="checkbox"/> Pump & Treat Groundwater (GT) <input type="checkbox"/> Vent Soil (VS)	to be implemented implemented in Jan 2006
-----------------	--	---

COMMENTS
 Actions taken to date include exploratory bonded drilling in Sept + Nov 2005, with 2 separate reports submitted to Alameda County Health with this form.

APPENDIX D

Photodocumentation



Subject: Conducting geophysical survey, standing over area of metallic anomaly.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: December 6, 2005

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 01



Subject: Area of metallic anomaly (painted in orange dashes), and underground water/electrical lines (in pink).

Site: 1001 77th Avenue, Oakland, CA

Date Taken: December 6, 2005

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 02



Subject: Concrete cable mat in area of identified magnetic anomaly.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 9, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 03



Subject: Contaminated groundwater seeping into excavation from within sandy/gravelly lens, south excavation sidewall, depth approximately 8 feet bgs.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 9, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 04



Subject: Looking southeast, former UST excavation backfill material (tan sand), also shows abandoned natural gas line.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 9, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 05



Subject: Looking west, excavation at final depth, groundwater has begun to fill bottom of excavation.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 9, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 06



Subject: Looking east at former UST excavation backfill material, showing former UST parts in the backfill material.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 9, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 07



Subject: Pumping contaminated groundwater from the excavation.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 20, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 08



Subject: Pumping contaminated groundwater from the excavation.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 20, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 09



Subject: Emplacing drain rock to bridge the groundwater in the base of the excavation.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 20, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 10



Subject: Compacting excavation backfill material.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 20, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 11



Subject: Excavation fully backfilled, prepping for asphalt resurfacing.

Site: 1001 77th Avenue, Oakland, CA

Date Taken: January 24, 2006

Project No.: SES 2005-51

Photographer: Joe Dinan

Photo No.: 12

APPENDIX E

Waste Profiling and Disposal Documentation

Excavated Soil

January 17, 2006

Mr. Joe Griffith
AlliedWaste
1145 W. Charter Way
Stockton, CA 95206

Subject: Waste Soil Profile Package for Keller Canyon Disposal
1001 77th Avenue, Oakland, California

Dear Mr. Griffith:

INTRODUCTION

Stellar Environmental Solutions, Inc. (SES) has been retained by Acts Community Development (generator) to be their authorized representative for coordinating the profiling and off-hauling of waste soil to be generated as part of a petroleum fuel UST corrective action project. We request that the soil be disposed at the Keller Canyon Landfill on Thursday January 19, 2006.

SES is submitting this waste soil profile package containing the following:

- Completed Waste Profile form
- Certified analytical laboratory report from containing results for Stockpile Comp 1, Stockpile Comp 2 and Stockpile Comp 3 samples (all 4-point composite samples), and associated chain-of-custody documentation
- Allied Waste's "Third Party Signature Authorization for Solid Waste Disposal (signed by the generator)

SITE AND PROJECT DESCRIPTION

The site is an currently an unoccupied facility that previously conducted automotive repair and utilized a fuel UST. There is no record of the installation or removal of the UST; the UST was presumably used for the storage of gasoline fuel.

The attached table summarizes the analytical results. The analytical results indicate that the generator is certifying (per the Waste Profile) that the waste soil is non-hazardous, and requests

Mr. Joe Griffith – Allied Waste

January 17, 2006

Page 2

Allied Waste's approval for disposal. Please contact the undersigned directly as regards profile approval, or if you have any questions. Thank you in advance.

Sincerely,

Stellar Environmental Solutions, Inc.

A handwritten signature in blue ink that reads "Bruce M. Rucker". The signature is written in a cursive style with a period at the end.

Bruce M. Rucker, R.G., R.E.A.
Senior Geologist and Project Manager

cc: Mr. Bishop Jackson, Acts Community Development – property owner

**January 2006 Soil Analytical Results -
Stockpiled Soil Sample Analytical Results
1001 77th Avenue, Oakland, California**

Sample ID (showing depth)	TVHg	TEHd	TEHmo	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	Lead
Stockile Comp 1	460	86	47	< 0.13	0.56	11	26.8	< 0.5	NA
Stockile Comp 2	20	96	100	< 0.0047	< 0.0047	0.14	0.114	< 0.019	NA
Stockile Comp 3	36	30	12	< 0.0025	0.0068	0.044	1.43	< 0.1	6.9

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
 TEHmo = total extractable hydrocarbons as motor oil
 MTBE = methyl *tertiary*-butyl ether
 All concentrations are in mg/kg.



GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: Keller Canyon
an Allied Waste Company

Waste Profile #
AWI Sales Rep:
Date: January 17, 2006

I. Generator Information

Generator Name: Acts Community Development
Generator Site Address: 1001 77th Avenue
City: Oakland County: Alameda State: CA Zip: 94621
State ID/Reg No: N/A State Approval/Waste Code: N/A (if applicable) SIC Code: N/A
Generator Mailing Address (if different): 1034 66th Avenue
City: Oakland County: Alameda State: CA Zip: 94621
Generator Contact Name: Rev. Robert Jackson
Phone Number: 510-568-4317 ext 12 Fax Number:

Ila. Transporter Information

Transporter Name: Contact Name:
Transporter Address:
City: County: State: Zip:
Phone Number: Fax Number: State Transportation Number:

Ilb. Billing Information

Bill To: Stellar Environmental Solutions, Inc. Contact Name: Richard Makdisi
Billing Address: 2198 Sixth Street #201
City: Berkeley State: CA Zip: 94710 Phone Number: 510-644-3123

III. Waste Stream Information

Name of Waste: petroleum-contaminated soil
Process Generating Waste: soil corrective action - excavation to remove residual contaminated soil from a former gasoline underground storage tank.
Type of Waste [] INDUSTRIAL PROCESS WASTE or [X] POLLUTION CONTROL WASTE
Physical State: [X] SOLID [] SEMI-SOLID [] POWDER [] LIQUID [] OTHER:
Method of Shipment: [X] BULK [] DRUM [] BAGGED [] OTHER:
Estimated Annual Volume: [X] CUBIC YARDS: 125 [] TONS: [] GALLONS [] OTHER:
Frequency: [X] ONE TIME [] DAILY [] WEEKLY [] MONTHLY [] OTHER:
Special Handling Instructions: none

IV. Representative Sample Certification

[] NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules? [X] YES or [] NO
Sample Date: 9/30/05 Type of Sample: [X] COMPOSITE SAMPLE [] GRAB SAMPLE
Laboratory: Curtis & Tompkins, Ltd. Sample ID Numbers: Stockpile Comp 1, Stockpile Comp 2 & Stockpile Comp 3
Sampler's Employer: Stellar Environmental Solutions, Inc.
Sampler's Name (printed): Joseph Dinan Signature: [Signature]



Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. gasoline-range TPH	460 mg/kg (< 1%)
2. diesel-range TPH	96 mg/kg (< 1%)
3. motor oil-range TPH	100 mg/kg (< 1%)
4. BTEX	38.36 mg/kg (<1%)
5. LEAD	6.9 mg/kg (<1%)

Color	Odor (describe)	Free Liquids <input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO Content ≤ 1%	% Solids	pH:	Flash Point	Phenol
brown	slight petroleum odor		99	4-8	≥ 140 <input type="checkbox"/> F	ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

Richard Makdisi - Principal

Authorized Representative Name And Title (Printed)

Stellar Environmental Solutions, Inc.

Company Name

Authorized Representative Signature

January 17, 2006

Date

VII. Allied Waste Decision

Approved	Rejected	Expiration: _____
Conditions:		
Name, Title	Signature	Date



THIRD PARTY SIGNATURE AUTHORIZATION for Solid Waste Disposal

Date: January 10, 2006

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Authorized Agent Richard Makdisi Bruce Rucker	Title Principal Senior Geologist
Name of Company Stellar Environmental Solutions, Inc.	Telephone Number 510-644-3123

The above broker/individual is authorized to act as our authorized agent for the following purposes:

- Complete and sign Generator Waste Profile Sheets.
- Complete and sign Generator Waste Profile Sheet-Recertifications.
- Authorize amendments to Generator Waste Profile Sheets.
- Sign contracts to dispose and/or transport material.
- Sign certifications necessary to comply with landfill requirements.
- Sign manifests to initiate shipment to disposal facilities.

Our authorized broker/agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

Name of Generator (printed) Rev. Robert Jackson	Title Property Owner
Name of Company Acts Community Development	Mailing Address 1034 66 th Avenue, Oakland, CA 94621
Signature 	Telephone Number (510) 568-4317 ext. 12

Keller Canyon
Sanitary Landfill
 901 Bailey Road
 Pittsburg, CA 94565
 Phone (925) 458-9800
 Fax (925) 458-9891

Coffin Butte
Landfill
 28972 Coffin Butte Road
 Corvallis, OR 97330
 Phone (541) 745-2018
 Fax (541) 745-3826

Ox Mountain
Sanitary Landfill
 12310 San Mateo Road
 Half Moon Bay, CA 94019
 Phone (650) 726-1819
 Fax (650) 726-9183

Newby Island
Sanitary Landfill
 1601 Dixon Landing Road
 Milpitas, CA 95035
 Phone (408) 945-2800
 Fax (408) 262-2871

Forward
Landfill
 9999 S. Austin Road
 Manteca, CA 95336
 Phone (209) 982-4298
 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR Acts Community Development		WASTE ACCEPTANCE NO. 212760692	
MAILING ADDRESS 1634 - 65th Avenue		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
CITY, STATE, ZIP Oakland, CA 94621		<input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> HARD HAT	
PHONE (510) 568-4317		<input type="checkbox"/> TY-VEK <input checked="" type="checkbox"/> SAFETY VEST	
CONTACT PERSON Robert Jackson		SPECIAL HANDLING PROCEDURES:	
SIGNATURE OF AUTHORIZED AGENT / TITLE <i>* Robert Jackson / Stellar Environmental</i>		RECEIVING FACILITY	
DATE 1/20/06			
GENERATOR'S CERTIFICATION I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.			
WASTE TYPE: <input type="checkbox"/> DISPOSAL <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> DEBRIS <input type="checkbox"/> SPECIAL WASTE <input type="checkbox"/> SLUDGE <input type="checkbox"/> WOOD <input type="checkbox"/> OTHER			
GENERATING FACILITY 1001 - 77th Avenue OAKLAND			
TRANSPORTER MEMORABLE TRANSPORT INC		NOTES:	VEHICLE LICENSE NUMBER 9B 56857
ADDRESS 101 - A Hickey Blvd Suite 329			TRUCK NUMBER 79
CITY, STATE, ZIP South San Francisco CA			MUTI 79
PHONE (415) 517-8785		END DUMP <input checked="" type="checkbox"/>	BOTTOM DUMP <input type="checkbox"/>
SIGNATURE OF AUTHORIZED AGENT OR DRIVER <i>* R Lee</i>		TRANSFER <input type="checkbox"/>	ROLL-OFF(S) <input type="checkbox"/>
DATE 1-20-06		FLAT-BED <input type="checkbox"/>	VAN <input type="checkbox"/>
		DRUMS <input type="checkbox"/>	
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS 20	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER		DISPOSE OTHER	
SIGNATURE OF AUTHORIZED AGENT <i>* [Signature]</i>		<input checked="" type="checkbox"/> SOIL <input type="checkbox"/> CONSTRUCTION DEBRIS	
DATE 1-20-06		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

Keller Canyon Sanitary Landfill
 901 Bailey Road
 Pittsburg, CA 94565
 Phone (925) 458-9800
 Fax (925) 458-9891

Coffin Butte Landfill
 28972 Coffin Butte Road
 Corvallis, OR 97330
 Phone (541) 745-2018
 Fax (541) 745-3826

Ox Mountain Sanitary Landfill
 12310 San Mateo Road
 Half Moon Bay, CA 94019
 Phone (650) 726-1819
 Fax (650) 726-9183

Newby Island Sanitary Landfill
 1601 Dixon Landing Road
 Milpitas, CA 95035
 Phone (408) 945-2800
 Fax (408) 262-2871

Forward Landfill
 9999 S. Austin Road
 Manteca, CA 95336
 Phone (209) 982-4298
 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR <i>Acts Community Development</i>		WASTE ACCEPTANCE NO. 212Y60692	
MAILING ADDRESS 1034 - 66th Avenue CITY, STATE, ZIP Oakland, CA 94621		REQUIRED PERSONAL PROTECTIVE EQUIPMENT	
PHONE (510) 568-4317		<input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> HARD HAT	
CONTACT PERSON Robert Jackson		<input type="checkbox"/> TY-VEK <input checked="" type="checkbox"/> SAFETY VEST	
SIGNATURE OF AUTHORIZED AGENT / TITLE <i>Robert Jackson</i>		SPECIAL HANDLING PROCEDURES:	
DATE 1/20/06			
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.		RECEIVING FACILITY	
WASTE TYPE: <input checked="" type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input type="checkbox"/> SPECIAL WASTE			
GENERATING FACILITY 1001 - 77th Avenue OAKLAND			
TRANSPORTER BK Bobcat		NOTES:	VEHICLE LICENSE NUMBER 9C35939
ADDRESS 607 PISCES LN			TRUCK NUMBER AKB94
CITY, STATE, ZIP Foster City, CA 94404			
PHONE (800) 945-6925			
SIGNATURE OF AUTHORIZED AGENT OR DRIVER <i>Ken Rued</i>		END DUMP BOTTOM DUMP TRANSFER	
DATE 1/20/06		<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
		ROLL-OFF(S) FLAT-BED VAN DRUMS	
		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		CUBIC YARDS 20	
REMARKS		DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)	
FACILITY TICKET NUMBER		DISPOSE OTHER	
SIGNATURE OF AUTHORIZED AGENT <i>[Signature]</i>		<input checked="" type="checkbox"/> SOIL	
DATE 1-20-06		<input checked="" type="checkbox"/> CONSTRUCTION DEBRIS	
		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

50416

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004432
SPEELMAN EXCAVATION
1649 FAIRWAY OAKS COURT

RIFON, CA 95366
Contract: #212Y60492

SITE	TICKET	GRID
01	293263	
WEIGHMASTER		
FELIPE		
DATE IN	TIME IN	
20 January 2006	8:47 AM	
DATE OUT	TIME OUT	
VEHICLE	ROLL OFF	
EK694		
REFERENCE	ORIGIN	
476215	OAKLAND	

02 Gross Weight 73,120.00 LB
Stored Tare Weight 31,900.00 LB
Net Weight 41,220.00 LB 20.61 TN

Inbound - SCALE TICKET

20.61 TN	51 (H3)	CONTAMINATED SOIL
1.00 LB	(3) (H3)	ENVIRONMENTAL FEE

30511

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004432
SPEELMAN EXCAVATION
1649 FAIRWAY OAKS COURT

RIFON, CA 95366
Contract: #212Y60492

SITE	TICKET	GRID
01	293358	
WEIGHMASTER		
FELIPE		
DATE IN	TIME IN	
20 January 2006	12:25 PM	
DATE OUT	TIME OUT	
VEHICLE	ROLL OFF	
EK600		
REFERENCE	ORIGIN	
476214	OAKLAND	

01 Gross Weight 47,680.00 LB
Stored Tare Weight 31,300.00 LB
Net Weight 16,380.00 LB 16.19 TN

Inbound - SCALE TICKET

16.19 TN	51 (H3)	CONTAMINATED SOIL
1.00 LB	(3) (H3)	ENVIRONMENTAL FEE

NET AMOUNT

TENDERED

CHANGE

CHECK NO.

50598

KELLER CANYON LANDFILL
 901 BAILEY ROAD
 PITTSBURG, CA

004432
 SPEELMAN EXCAVATION
 1648 FAIRWAY OAKS COURT

RIPON, CA 95366
 Contract: #212Y60692

SITE 01	TICKET 298448	GRID
WEIGHMASTER MANUEL		
DATE IN 21 January 2006		TIME IN 7:37 am
DATE OUT		TIME OUT
VEHICLE 2K800		ROLL OFF
REFERENCE 475292	ORIGIN OAKLAND	

Gross Weight 78,420.00 LB
 Stored Tare Weight 31,300.00 LB
 Net Weight 41,120.00 LB 20.56 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.56	TN	51 [H3] CONTAMINATED SOIL				
1.00	LD	(3) [H3] ENVIRONMENTAL FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE *[Signature]*

50709

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004438
SPEELMAN EXCAVATION
1648 FAIRWAY OAKS COURT

RIPON, CA 95366
Contract: #B12YE0698

SITE 01	TICKET 293548	GRID
WEIGHMASTER FELIPE		
DATE IN 23 January 2006		TIME IN 7:54 am
DATE OUT		TIME OUT
VEHICLE 3KD94		ROLL OFF
REFERENCE 478231	ORIGIN OAKLAND	

Gross Weight 67,580.00 LB
Stored Tare Weight 31,900.00 LB
Net Weight 35,680.00 LB 17.84 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
17.84	TN	51 (H3)				
1.00	LD	(3) (H3)				
		CONTAMINATED SOIL				
		ENVIRONMENTAL FEE				

50439

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004438
SPEELMAN EXCAVATION
1648 FAIRWAY OAKS COURT

RIPON, CA 95366
Contract: #B12Y30698

SITE 01	TICKET 293226	GRID
WEIGHMASTER FELIPE		
DATE IN 20 January 2006		TIME IN 9:40 am
DATE OUT		TIME OUT
VEHICLE MINT177		ROLL OFF
REFERENCE 478216	ORIGIN OAKLAND	

02 Gross Weight 38,980.00 LB
Tare Weight 20,320.00 LB
Net Weight 18,660.00 LB 14.33 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.33	TN	51 (H3)				
1.00	LD	(3)				
		CONTAMINATED SOIL				
		ENVIRONMENTAL FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

50512

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004432
SPEELMAN EXCAVATION
1648 FAIRWAY OAKS COURT

RIPON, CA 95366
Contract: #212Y60692

SITE 01	TICKET 293359	GRID
WEIGHMASTER		
FELIFE		
DATE IN 20 January 2006	TIME IN 12:29 pm	
DATE OUT	TIME OUT	
VEHICLE BKB94	ROLL OFF	
REFERENCE 475233	ORIGIN OAKLAND	

Gross Weight 71,020.00 LB
Stored Tare Weight 31,900.00 LB
Net Weight 39,120.00 LB 19.56 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.56	TN	E1 [H3]				
1.00	LD	() [H3]				
		CONTAMINATED SOIL				
		ENVIRONMENTAL FEE				

50527

KELLER CANYON LANDFILL
901 BAILEY ROAD
PITTSBURG, CA

004432
SPEELMAN EXCAVATION
1648 FAIRWAY OAKS COURT

RIPON, CA 95366
Contract: #212Y60692

SITE 01	TICKET 293374	GRID
WEIGHMASTER		
FELIFE		
DATE IN 20 January 2006	TIME IN 12:58 pm	
DATE OUT	TIME OUT	
VEHICLE MNT179	ROLL OFF	
REFERENCE 475234	ORIGIN OAKLAND	

00 Gross Weight 64,120.00 LB
Stored Tare Weight 30,320.00 LB
Net Weight 33,800.00 LB 16.90 TN

Inbound - SCALE TICKET

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.90	TN	E1 [H3]				
1.00	LD	() [H3]				
		CONTAMINATED SOIL				
		ENVIRONMENTAL FEE				

NET AMOU

TENDERE

CHANGE

CHECK N

Pumped Groundwater



**Seaport
Environmental**

700 Seaport Blvd.
Redwood City, CA 94063
Epa Id# CA 000013572

650.364.1024 Phone
650.364.1021 Fax



[Home](#) | [Treatment Processes](#) | [Remediation with Ozone](#) | [Acceptance Procedure](#) | [Directions](#) | [Contact](#) | [Jobs](#)

Non-Hazardous Waste Water Characterization Form

Address of Responsible Party

Name: Acts Community Development
 Authorized Rep: Rep: Robert Jackson
 Street: 1034 66th Avenue
 City: Oakland State: CA
 Phone: 510/568-4317 ext. 12

Site Address (if different)

Name: _____
 Contact: _____
 Street: 1001 77th Avenue
 City: OAKLAND State: CA
 Phone: _____

Activity or Process Producing Wastewater (check all that apply):

Monitoring well sampling

Excavation and Dewatering

Monitoring well development/auger
rinsate

Pump test

Other (describe): _____

Suspected Source of Contaminants:

Does (or did) the site contain one or more underground storage tanks (UST's) for fuel?

Yes No

Is a UST the suspected source of contamination?

Yes No

Are you aware of any other possible sources or causes of waste water contamination at the site? If Yes, please describe:

Yes No

Wastewater Characterization:

Please provide copies of the results of any analytical work carried out on the wastewater.

- Is the pH less than 2 or greater than 12.5? Yes__ No
- Is the flashpoint less than 140 F (60 C)? Yes__ No
- Is there any reason to suspect the presence of reactive cyanides or sulfides? Yes__ No
- Is there any reason to suspect that the waste water would prove toxic in a fish bio-assay test? Yes__ No
- Is there separate-phase liquid present in the waste water? Yes__ No
- Can you detect any hydrocarbon odor from the wastewater? Yes No__
- Was the wastewater tested for hydrocarbons? Yes No__
- Is there any reason to suspect the presence of chlorinated hydrocarbons such as trichloroethylene? Yes__ No
- Was the wastewater tested for chlorinated hydrocarbons ? Yes__ No
- Is there any reason to suspect the presence of heavy metals, such as lead? Yes__ No
- Was the wastewater tested for heavy metals? If "Yes", please describe tests and attach copies of the test results. Yes__ No

Was the wastewater tested for anything other than the above contaminants? Yes__ No
 If "Yes", please describe tests and attach copies of the test results.

Is there any other analytical test data (eg soil samples) for this site? Yes__ No__
 Is there any soil vapor monitoring data for this site? Yes__ No

Please describe the appearance of the waste water.
turbid from groundwater

Color Clear

Estimated amount of sediment (% wt) unknown

Is there evidence of an emulsion? Yes__ No

Estimated Volume of waste water (USG) 1200 gallons

Generator's Certification that Wastewater is Non-Hazardous

DESCRIPTION OF WATER: CERTIFY THAT THE ABOVE NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4(b)(10) AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

The information and representations presented above are true and correct to the best of my knowledge.

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		2. Page 1 of 1		3. Document Number NO 0487	
	4. Generator's Name and Mailing Address <i>Auto Care Wash & Detail 1411 23rd Ave Oak J. Ca 94621</i>					Generator's Phone		
TRANSPORTER	5. Transporter Company Name CLEARWATER ENVIRONMENTAL		6. US EPA ID Number CAR000007013		7. Transporter Phone (510) 476-1740			
	8. Designated Facility Name and Site Address <i>Smart Environmental 75 2nd St ALVISO INDEPENDENT OIL 5002 ARCHER STREET Redwood City ALVISO, CA 94012</i>		9. US EPA ID Number <i>CA 1000140629 CAL000161743</i>		10. Facility's Phone (510) 476-1740			
	11. Waste Shipping Name and Description					12. Containers		13. Total Quantity
a. Non-Hazardous waste, liquid					No.	Type	3010	G
b.								
15. Special Handling Instructions and Additional Information Wear PPE Emergency Contact (510) 476-1740 Attn: Kirk Hayward					Handling Codes for Wastes Listed Above			
					11a.		11b.	
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.								
Printed/Typed Name <i>Erica Miller</i>					Signature <i>[Signature]</i>			
					Month	Day	Year	
					1	30	16	
17. Transporter Acknowledgement of Receipt of Materials								
Printed/Typed Name <i>Erica Miller</i>					Signature <i>[Signature]</i>			
					Month	Day	Year	
					1	30	16	
FACILITY	18. Discrepancy Indication Space							
	19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.							
Printed/Typed Name					Signature			
					Month	Day	Year	

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		2. Page 1 of 1		3. Document Number NH-1693		
	4. Generator's Name and Mailing Address <i>ACT 2</i>					Generator's Phone			
	5. Transporter Company Name			US EPA ID Number		7. Transporter Phone			
	8. Designated Facility Name and Site Address			US EPA ID Number		10. Facility's Phone			
TRANSPORTER	11. Waste Shipping Name and Description					12. Containers		13. Total Quantity	14. Unit Wt/Vol
	a.					No.	Type	3000	6
FACILITY	15. Special Handling Instructions and Additional Information					Handling Codes for Wastes Listed Above			
						11a.		11b.	
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.									
Printed/Typed Name					Signature			Month Day Year	
<i>John [unclear]</i>					<i>[Signature]</i>			1 20 06	
17. Transporter Acknowledgement of Receipt of Materials									
Printed/Typed Name					Signature			Month Day Year	
<i>Paul [unclear]</i>					<i>[Signature]</i>			20 06	
18. Discrepancy Indication Space									
19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.									
Printed/Typed Name					Signature			Month Day Year	



Seaport Environmental NON-HAZARDOUS WATER TRANSPORT FORM

--	--	--	--

GENERATOR INFORMATION

Acts Community Development
1001 77th Ave.
Oakland Ca

CUSTOMER INFORMATION

Stellar Environmental Solutions
510-644-3123
PO #

DESCRIPTION OF WATER: Excavation dewatering
NON-HAZARDOUS WASTE WATER, MONITORING WELL PURGE WATER AND/OR AUGER RINSATE, TANK RINSATE OR ABOVE DESCRIBED WATER. THIS WATER MAY CONTAIN DISSOLVED HYDROCARBONS. I CERTIFY THAT THE ABOVE NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10) AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.


Generator/Authorized Agent Joseph Dimon
Stellar Environmental

January 20 2006
Sign Date

SITE INFORMATION

1034 66th Ave.
Oakland
Ca

GROSS	
TARE	
NET	
TOTAL GALLONS	3000

Calculated at 8.34lbs per USG

Jan 19 1

TRANSPORTER INFORMATION

Clearwater Environmental

Truck ID: 52
Driver: Paul Cameron
Print full name & sign date

TIME OUT	
TIME IN	
TIME SPENT	

DISPOSAL FACILITY INFORMATION EPA ID: CAL 000032058

Seaport Environmental
675 Seaport Boulevard
Redwood City, Ca 94063
Phone: (650) 364 1024

Approval Number

500 - 589

Solids %Wt

0

pH

7

Solids Surcharge
\$/USG

Received by: 
Print full name & sign date 01-20-06



Seaport Environmental NON-HAZARDOUS WATER TRANSPORT FORM

--	--	--	--

GENERATOR INFORMATION

Acts Community Development
1001 77th Ave.
Oakland Ca

CUSTOMER INFORMATION

Stellar Environmental Solutions
510-644-3123
PO #

DESCRIPTION OF WATER: Excavation dewatering
NON-HAZARDOUS WASTE WATER, MONITORING WELL PURGE WATER AND/OR AUGER RINSATE, TANK RINSATE OR ABOVE DESCRIBED WATER. THIS WATER MAY CONTAIN DISSOLVED HYDROCARBONS. I CERTIFY THAT THE ABOVE NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10) AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

Joseph Dimario / Stellar Environmental
Generator/Authorized Agent

[Signature] 1/20/2006
Sign date

SITE INFORMATION

1034 66th Ave.
Oakland
Ca

GROSS	
TARE	
NET	3015
TOTAL GALLONS	72000

Calculated at 0.3186 per USG

TRANSPORTER INFORMATION

Clearwater Environmental

Truck ID: #50

Driver: Ernie Wilder
Print full name & sign date

TIME OUT	
TIME IN	
TIME SPENT	

DISPOSAL FACILITY INFORMATION EPA ID: CAL 000032058

Seaport Environmental
675 Seaport Boulevard
Redwood City, Ca 94063
Phone: (650) 364 1024

Approval Number

500 - 589

Solids %wt

0

pH

7

Solids Surcharge
\$/USG

Received by:
Print full name & sign

[Signature]

01-20-06

date

APPENDIX F

Certified Analytical Laboratory Reports and Chain-of-Custody Documentation



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: 17-JAN-06

Lab Job Number: 184212

Project ID: 2005-51

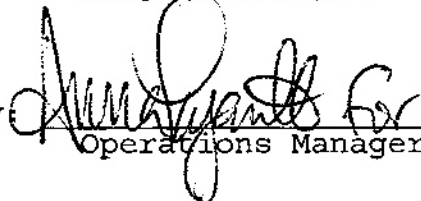
Location: Acts Gospel Church

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

This package may be reproduced only in its entirety.

184212

Chain of Custody Record

Lab job no _____

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

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

Date _____

Page 1 of 1

Project Owner Acts Community Development
 Site Address 1001 77th Avenue
Oakland, California
 Project Name Acts Gospel Church
 Project Number 2005-51

Cooler No. _____
 Project Manager Bruce Rucker
 Telephone No. (510) 644-3123
 Fax No. (510) 644-3859
 Samplers: (Signature) [Signature]

Field Sample Number	Location/Depth	Date	Time	Sample Type	Type/Size of Container	Preservation		Filtered	No of Containers	Analysis Required										Remarks										
						Cooler	Chemical			1	2	3	4	5	6	7	8	9	10		11	12								
-1	Pit Bore 1 - 10'	10 feet	4/9/06	855	Soil	16oz glass jar	Yes	None	NO	1	X	X	X																	
-2	East 1 - 7 1/2'	7 1/2 feet	[Vertical Arrow]	1230	[Vertical Arrow]	[Vertical Arrow]	[Vertical Arrow]	[Vertical Arrow]	NO	1	X	X	X																	
-3	South 1 - 8 1/2'	8 1/2 feet		1235					NO	1	X	X	X																	
-4	South 1 - 9 1/2'	9 1/2 feet		1240					NO	1	X	X	X																	
-5	West 1 - 7 1/2'	7 1/2 feet		1245					NO	1	X	X	X																	
-6	North 1 - 7 1/2'	7 1/2 feet		1250					NO	1	X	X	X																	
-7	Stockpile 1 - Comp	—		1415					NO	1	X	X	X																	Four point sample
-8	Stockpile 2 - Comp	—		1420					NO	1	X	X	X																	Four point sample
-9	Stockpile 3 - Comp	—		1425					NO	1	X	X	X																	Four point sample
-10	Pit Water - Pre-pumping	—		1305					Water	(a)	(a)	NO	4	X	X															

-1
-2
-3
-4
-5
-6
-7
-8
-9
-10

Relinquished by: [Signature]
 Signature _____
 Printed Joe Dinan
 Company Stellar Environmental

Date 4/9/06
 Received by: [Signature]
 Signature _____
 Printed Lavanna Curtis
 Company Curtis & Tompkins 4.07

Relinquished by: _____
 Signature _____
 Printed _____
 Company _____

Date _____
 Received by: _____
 Signature _____
 Printed _____
 Company _____

Turnaround Time: 5 Day TAT
 Comments: (1) Amber - unpreserved, (3) 40 ml VOA - HCl preserved

Relinquished by: _____
 Signature _____
 Printed _____
 Company _____

Date _____
 Received by: _____
 Signature _____
 Printed _____
 Company _____

2000-00-01

Received [Signature]
 Cold Ambient Impact

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church
Client: Stellar Environmental Solutions	Prep: EPA 5030B
Project#: 2005-51	
Field ID: PITWATER - PRE PUMPI	Sampled: 01/09/06
Matrix: Water	Received: 01/09/06
Units: ug/L	Analyzed: 01/10/06
Batch#: 109368	

Type: SAMPLE Diln Fac: 250.0
 Lab ID: 184212-010

Analyte	Result	RL	Analysis
Gasoline C7-C12	52,000	13,000	EPA 8015B
MTBE	ND	500	EPA 8021B
Benzene	220	130	EPA 8021B
Toluene	600	130	EPA 8021B
Ethylbenzene	2,400	130	EPA 8021B
m,p-Xylenes	5,400	130	EPA 8021B
o-Xylene	2,100	130	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	62-141	EPA 8015B
Bromofluorobenzene (FID)	94	78-134	EPA 8015B
Trifluorotoluene (PID)	105	67-127	EPA 8021B
Bromofluorobenzene (PID)	102	80-122	EPA 8021B

Type: BLANK Diln Fac: 1.000
 Lab ID: QC323624

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)	94	62-141	EPA 8015B
Bromofluorobenzene (FID)	93	78-134	EPA 8015B
Trifluorotoluene (PID)	98	67-127	EPA 8021B
Bromofluorobenzene (PID)	99	80-122	EPA 8021B

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323625	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	18.06	90	72-124
Benzene	20.00	17.37	87	80-120
Toluene	20.00	17.22	86	80-120
Ethylbenzene	20.00	18.76	94	80-120
m,p-Xylenes	20.00	16.92	85	80-120
o-Xylene	20.00	18.25	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	101	67-127
Bromofluorobenzene (PID)	100	80-122

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323626	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,749	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	62-141
Bromofluorobenzene (FID)	99	78-134

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109368
MSS Lab ID:	184208-002	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323682

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,225	2,000	2,930	85	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	124	78-134

Type: MSD Lab ID: QC323683

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	3,247	101	80-120	10	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-141
Bromofluorobenzene (FID)	132	78-134

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church
Client: Stellar Environmental Solutions	Prep: EPA 5030B
Project#: 2005-51	
Matrix: Soil	Sampled: 01/09/06
Basis: as received	Received: 01/09/06

Field ID: PIT BASE 1 - 10' Diln Fac: 25.00
 Type: SAMPLE Batch#: 109355
 Lab ID: 184212-001 Analyzed: 01/10/06

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	180	25	mg/Kg	EPA 8015B
MTBE	ND	500	ug/Kg	EPA 8021B
Benzene	ND	130	ug/Kg	EPA 8021B
Toluene	ND	130	ug/Kg	EPA 8021B
Ethylbenzene	2,100	130	ug/Kg	EPA 8021B
m,p-Xylenes	1,800	130	ug/Kg	EPA 8021B
o-Xylene	640 C	130	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	119	59-140	EPA 8015B
Bromofluorobenzene (FID)	96	62-149	EPA 8015B
Trifluorotoluene (PID)	109	63-125	EPA 8021B
Bromofluorobenzene (PID)	95	71-129	EPA 8021B

Field ID: EAST 1 - 7 1/2' Diln Fac: 1.000
 Type: SAMPLE Batch#: 109355
 Lab ID: 184212-002 Analyzed: 01/10/06

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	3.9 H Y	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)	94	59-140	EPA 8015B
Bromofluorobenzene (FID)	110	62-149	EPA 8015B
Trifluorotoluene (PID)	105	63-125	EPA 8021B
Bromofluorobenzene (PID)	107	71-129	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 6

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church	Prep: EPA 5030B
Client: Stellar Environmental Solutions		
Project#: 2005-51		
Matrix: Soil	Sampled: 01/09/06	
Basis: as received	Received: 01/09/06	

Field ID: SOUTH 1 - 8 1/2'	Diln Fac: 100.0	
Type: SAMPLE	Batch#: 109355	
Lab ID: 184212-003	Analyzed: 01/10/06	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	4,700	100	mg/Kg	EPA 8015B
MTBE	ND	2,000	ug/Kg	EPA 8021B
Benzene	ND	500	ug/Kg	EPA 8021B
Toluene	ND	500	ug/Kg	EPA 8021B
Ethylbenzene	91,000	500	ug/Kg	EPA 8021B
m,p-Xylenes	100,000	500	ug/Kg	EPA 8021B
o-Xylene	9,900	500	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	59-140	EPA 8015B
Bromofluorobenzene (FID)	122	62-149	EPA 8015B
Trifluorotoluene (PID)	112	63-125	EPA 8021B
Bromofluorobenzene (PID)	106	71-129	EPA 8021B

Field ID: SOUTH 1 - 9 1/2'	Diln Fac: 25.00	
Type: SAMPLE	Batch#: 109355	
Lab ID: 184212-004	Analyzed: 01/10/06	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	380	25	mg/Kg	EPA 8015B
MTBE	ND	500	ug/Kg	EPA 8021B
Benzene	1,300 C	130	ug/Kg	EPA 8021B
Toluene	530 C	130	ug/Kg	EPA 8021B
Ethylbenzene	9,900	130	ug/Kg	EPA 8021B
m,p-Xylenes	29,000	130	ug/Kg	EPA 8021B
o-Xylene	11,000	130	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	59-140	EPA 8015B
Bromofluorobenzene (FID)	97	62-149	EPA 8015B
Trifluorotoluene (PID)	104	63-125	EPA 8021B
Bromofluorobenzene (PID)	94	71-129	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 6

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church
Client: Stellar Environmental Solutions	Prep: EPA 5030B
Project#: 2005-51	
Matrix: Soil	Sampled: 01/09/06
Basis: as received	Received: 01/09/06

Field ID: WEST 1 - 7 1/2' Diln Fac: 1.000
 Type: SAMPLE Batch#: 109355
 Lab ID: 184212-005 Analyzed: 01/10/06

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	2.8	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	46	5.2	ug/Kg	EPA 8021B
m,p-Xylenes	150	5.2	ug/Kg	EPA 8021B
o-Xylene	56	5.2	ug/Kg	EPA 8021B

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

Field ID: NORTH 1 - 7 1/2' Diln Fac: 1.000
 Type: SAMPLE Batch#: 109355
 Lab ID: 184212-006 Analyzed: 01/10/06

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)	100	59-140	EPA 8015B
Bromofluorobenzene (FID)	97	62-149	EPA 8015B
Trifluorotoluene (PID)	102	63-125	EPA 8021B
Bromofluorobenzene (PID)	103	71-129	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 3 of 6

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church	Prep: EPA 5030B
Client: Stellar Environmental Solutions		
Project#: 2005-51		
Matrix: Soil	Sampled: 01/09/06	
Basis: as received	Received: 01/09/06	

Field ID: STOCKPILE 1 - COMP	Diln Fac: 25.00	
Type: SAMPLE	Batch#: 109355	
Lab ID: 184212-007	Analyzed: 01/10/06	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	460	25	mg/Kg	EPA 8015B
MTBE	ND	500	ug/Kg	EPA 8021B
Benzene	ND	130	ug/Kg	EPA 8021B
Toluene	560	130	ug/Kg	EPA 8021B
Ethylbenzene	11,000	130	ug/Kg	EPA 8021B
m,p-Xylenes	21,000	130	ug/Kg	EPA 8021B
o-Xylene	5,800	130	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	104	59-140	EPA 8015B
Bromofluorobenzene (FID)	104	62-149	EPA 8015B
Trifluorotoluene (PID)	109	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

Field ID: STOCKPILE 2 - COMP	Diln Fac: 1.000	
Type: SAMPLE	Batch#: 109355	
Lab ID: 184212-008	Analyzed: 01/10/06	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	20 H Y	0.93	mg/Kg	EPA 8015B
MTBE	ND	19	ug/Kg	EPA 8021B
Benzene	ND	4.7	ug/Kg	EPA 8021B
Toluene	ND	4.7	ug/Kg	EPA 8021B
Ethylbenzene	140	4.7	ug/Kg	EPA 8021B
m,p-Xylenes	73	4.7	ug/Kg	EPA 8021B
o-Xylene	41 C	4.7	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	123	59-140	EPA 8015B
Bromofluorobenzene (FID)	121	62-149	EPA 8015B
Trifluorotoluene (PID)	120	63-125	EPA 8021B
Bromofluorobenzene (PID)	112	71-129	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 4 of 6

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church	Prep: EPA 5030B
Client: Stellar Environmental Solutions		
Project#: 2005-51		
Matrix: Soil	Sampled: 01/09/06	
Basis: as received	Received: 01/09/06	

Field ID: STOCKPILE 3 - COMP	Diln Fac: 5.000
Type: SAMPLE	Batch#: 109430
Lab ID: 184212-009	Analyzed: 01/12/06

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	36	5.0	mg/Kg	EPA 8015B
MTBE	ND	100	ug/Kg	EPA 8021B
Benzene	ND	25	ug/Kg	EPA 8021B
Toluene	68	25	ug/Kg	EPA 8021B
Ethylbenzene	440	25	ug/Kg	EPA 8021B
m,p-Xylenes	1,000	25	ug/Kg	EPA 8021B
o-Xylene	430	25	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	124	59-140	EPA 8015B
Bromofluorobenzene (FID)	103	62-149	EPA 8015B
Trifluorotoluene (PID)	111	63-125	EPA 8021B
Bromofluorobenzene (PID)	116	71-129	EPA 8021B

Type: BLANK	Batch#: 109355
Lab ID: QC323579	Analyzed: 01/10/06
Diln Fac: 1.000	

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
MTBE	ND	4.0	ug/Kg	EPA 8021B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	89	59-140	EPA 8015B
Bromofluorobenzene (FID)	95	62-149	EPA 8015B
Trifluorotoluene (PID)	102	63-125	EPA 8021B
Bromofluorobenzene (PID)	101	71-129	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 5 of 6

Curtis & Tompkins Laboratories Analytical Report

Lab #: 184212	Location: Acts Gospel Church	Prep: EPA 5030B
Client: Stellar Environmental Solutions		
Project#: 2005-51		
Matrix: Soil	Sampled: 01/09/06	
Basis: as received	Received: 01/09/06	

Type: BLANK	Batch#: 109430
Lab ID: QC323858	Analyzed: 01/12/06
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)	90	59-140	EPA 8015B
Bromofluorobenzene (FID)	95	62-149	EPA 8015B
Trifluorotoluene (PID)	100	63-125	EPA 8021B
Bromofluorobenzene (PID)	100	71-129	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
 H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 6 of 6

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC323580	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109355
Units:	ug/Kg	Analyzed:	01/10/06

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	107.0	107	71-130
Benzene	100.0	95.77	96	80-120
Toluene	100.0	95.95	96	80-120
Ethylbenzene	100.0	95.59	96	80-120
m,p-Xylenes	100.0	98.87	99	80-120
o-Xylene	100.0	96.07	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	63-125
Bromofluorobenzene (PID)	94	71-129

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC323581	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109355
Units:	mg/Kg	Analyzed:	01/10/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.135	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	59-140
Bromofluorobenzene (FID)	107	62-149

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	WEST 1 - 7 1/2'	Diln Fac:	1.000
MSS Lab ID:	184212-005	Batch#:	109355
Matrix:	Soil	Sampled:	01/09/06
Units:	mg/Kg	Received:	01/09/06
Basis:	as received	Analyzed:	01/10/06

Type: MS Lab ID: QC323655

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	2.771	9.346	11.65	95	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	59-140
Bromofluorobenzene (FID)	104	62-149

Type: MSD Lab ID: QC323656

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.53	11.55	83	44-120	10	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	59-140
Bromofluorobenzene (FID)	99	62-149

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC323859	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109430
Units:	ug/Kg	Analyzed:	01/12/06

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	107.6	108	71-130
Benzene	100.0	103.0	103	80-120
Toluene	100.0	104.3	104	80-120
Ethylbenzene	100.0	108.7	109	80-120
m,p-Xylenes	100.0	107.8	108	80-120
o-Xylene	100.0	105.9	106	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	63-125
Bromofluorobenzene (PID)	99	71-129

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC323860	Diln Fac:	1.000
Matrix:	Soil	Batch#:	109430
Units:	mg/Kg	Analyzed:	01/12/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.642	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	114	59-140
Bromofluorobenzene (FID)	99	62-149

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	184261-001	Batch#:	109430
Matrix:	Soil	Sampled:	01/10/06
Units:	mg/Kg	Received:	01/12/06
Basis:	as received	Analyzed:	01/13/06

Type: MS Lab ID: QC323938

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.2676	9.901	7.253	71	44-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	59-140
Bromofluorobenzene (FID)	93	62-149

Type: MSD Lab ID: QC323939

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.091	7.200	76	44-120	8	23

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	59-140
Bromofluorobenzene (FID)	98	62-149

Total Extractable Hydrocarbons

Lab #: 184212	Location: Acts Gospel Church
Client: Stellar Environmental Solutions	Prep: EPA 3520C
Project#: 2005-51	Analysis: EPA 8015B
Field ID: PITWATER - PRE PUMPI	Sampled: 01/09/06
Matrix: Water	Received: 01/09/06
Units: ug/L	Prepared: 01/13/06
Batch#: 109484	

Type: SAMPLE	Diln Fac: 3.000
Lab ID: 184212-010	Analyzed: 01/17/06

Analyte	Result	RL
Diesel C10-C24	23,000 L Y	150
Motor Oil C24-C36	ND	900

Surrogate	%REC	Limits
Hexacosane	99	60-135

Type: BLANK	Analyzed: 01/16/06
Lab ID: QC324073	Cleanup Method: EPA 3630C
Diln Fac: 1.000	

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

Surrogate	%REC	Limits
Hexacosane	116	60-135

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

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC324074	Batch#:	109484
Matrix:	Water	Prepared:	01/13/06
Units:	ug/L	Analyzed:	01/16/06

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,550	102	53-138

Surrogate	%REC	Limits
Hexacosane	114	60-135

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109484
MSS Lab ID:	184275-007	Sampled:	01/11/06
Matrix:	Water	Received:	01/12/06
Units:	ug/L	Prepared:	01/13/06
Diln Fac:	1.000	Analyzed:	01/16/06

Type: MS Cleanup Method: EPA 3630C
 Lab ID: QC324075

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	91.77	2,500	2,282	88	55-133

Surrogate	%REC	Limits
Hexacosane	102	60-135

Type: MSD Cleanup Method: EPA 3630C
 Lab ID: QC324076

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,438	94	55-133	7	33

Surrogate	%REC	Limits
Hexacosane	107	60-135

Total Extractable Hydrocarbons

Lab #: 184212	Location: Acts Gospel Church	Prep: SHAKER TABLE
Client: Stellar Environmental Solutions	Analysis: EPA 8015B	
Project#: 2005-51	Sampled: 01/09/06	Received: 01/09/06
Matrix: Soil	Prepared: 01/10/06	
Units: mg/Kg		
Basis: as received		

Field ID: PIT BASE 1 - 10'	Diln Fac: 1.000
Type: SAMPLE	Batch#: 109359
Lab ID: 184212-001	Analyzed: 01/12/06

Analyte	Result	RL
Diesel C10-C24	83 L Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	48-132

Field ID: EAST 1 - 7 1/2'	Diln Fac: 1.000
Type: SAMPLE	Batch#: 109359
Lab ID: 184212-002	Analyzed: 01/12/06

Analyte	Result	RL
Diesel C10-C24	36 L Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	95	48-132

Field ID: SOUTH 1 - 8 1/2'	Diln Fac: 10.00
Type: SAMPLE	Batch#: 109359
Lab ID: 184212-003	Analyzed: 01/12/06

Analyte	Result	RL
Diesel C10-C24	1,500 L Y	10
Motor Oil C24-C36	ND	50

Surrogate	%REC	Limits
Hexacosane	DO	48-132

Field ID: SOUTH 1 - 9 1/2'	Diln Fac: 1.000
Type: SAMPLE	Batch#: 109359
Lab ID: 184212-004	Analyzed: 01/12/06

Analyte	Result	RL
Diesel C10-C24	110 L Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	95	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
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit

Page 1 of 3

Total Extractable Hydrocarbons

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	2005-51	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	01/09/06
Units:	mg/Kg	Received:	01/09/06
Basis:	as received	Prepared:	01/10/06

Field ID:	WEST 1 - 7 1/2'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	109359
Lab ID:	184212-005	Analyzed:	01/12/06

Analyte	Result	RL
Diesel C10-C24	22 L	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	95	48-132

Field ID:	NORTH 1 - 7 1/2'	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	109359
Lab ID:	184212-006	Analyzed:	01/12/06

Analyte	Result	RL
Diesel C10-C24	4.0 H L Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	100	48-132

Field ID:	STOCKPILE 1 - COMP	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	109359
Lab ID:	184212-007	Analyzed:	01/11/06

Analyte	Result	RL
Diesel C10-C24	86 H L Y	1.0
Motor Oil C24-C36	47	5.0

Surrogate	%REC	Limits
Hexacosane	106	48-132

Field ID:	STOCKPILE 2 - COMP	Batch#:	109382
Type:	SAMPLE	Analyzed:	01/11/06
Lab ID:	184212-008	Cleanup Method:	EPA 3630C
Diln Fac:	1.000		

Analyte	Result	RL
Diesel C10-C24	96 H L Y	1.0
Motor Oil C24-C36	100 H	5.0

Surrogate	%REC	Limits
Hexacosane	74	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
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 3

Total Extractable Hydrocarbons

Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	2005-51	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	01/09/06
Units:	mg/Kg	Received:	01/09/06
Basis:	as received	Prepared:	01/10/06

Field ID:	STOCKPILE 3 - COMP	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	109382
Lab ID:	184212-009	Analyzed:	01/11/06

Analyte	Result	RL
Diesel C10-C24	30 H L Y	1.0
Motor Oil C24-C36	12	5.0

Surrogate	%REC	Limits
Hexacosane	76	48-132

Type:	BLANK	Batch#:	109359
Lab ID:	QC323592	Analyzed:	01/11/06
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Hexacosane	102	48-132

Type:	BLANK	Batch#:	109382
Lab ID:	QC323688	Analyzed:	01/12/06
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	83	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
 DO= Diluted Out
 ND= Not Detected
 RL= Reporting Limit
 Page 3 of 3

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323593	Batch#:	109359
Matrix:	Soil	Prepared:	01/10/06
Units:	mg/Kg	Analyzed:	01/11/06
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.71	47.50	96	54-137

Surrogate	%REC	Limits
Hexacosane	100	48-132

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109359
MSS Lab ID:	184198-007	Sampled:	01/06/06
Matrix:	Soil	Received:	01/06/06
Units:	mg/Kg	Prepared:	01/10/06
Basis:	as received	Analyzed:	01/11/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323594

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	2.749	49.68	46.65	88	28-163

Surrogate	%REC	Limits
Hexacosane	99	48-132

Type: MSD Lab ID: QC323595

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.03	46.15	87	28-163	2	46

Surrogate	%REC	Limits
Hexacosane	92	48-132

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323689	Batch#:	109382
Matrix:	Soil	Prepared:	01/10/06
Units:	mg/Kg	Analyzed:	01/12/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.83	46.30	93	54-137

Surrogate	%REC	Limits
Hexacosane	91	48-132

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	SHAKER TABLE
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109382
MSS Lab ID:	184216-001	Sampled:	01/09/06
Matrix:	Soil	Received:	01/09/06
Units:	mg/Kg	Prepared:	01/10/06
Basis:	as received	Analyzed:	01/11/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323690

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	0.8810	49.64	51.80	103	28-163

Surrogate	%REC	Limits
Hexacosane	105	48-132

Type: MSD Lab ID: QC323691

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.41	43.39	86	28-163	17	46

Surrogate	%REC	Limits
Hexacosane	88	48-132

Lead			
Lab #:	184212	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3050B
Project#:	2005-51	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	109385
Field ID:	STOCKPILE 3 - COMP	Sampled:	01/09/06
Matrix:	Soil	Received:	01/09/06
Units:	mg/Kg	Prepared:	01/11/06
Basis:	as received	Analyzed:	01/11/06
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	184212-009	6.9	0.15
BLANK	QC323702	ND	0.15



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: 16-JAN-06

Lab Job Number: 184218

Project ID: 2005-51


Location: Acts Gospel Church

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

This package may be reproduced only in its entirety.

187218

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. _____

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

Cooler No. _____
 Project Manager Bruce Rucker
 Telephone No. (510) 644-3123

Project Name Acts Gospel Church
 Project Number 2005-51

Fax No. (510) 644-3859
 Samplers: (Signature) B.M. Rucker

Filtered	No. of Containers	Analysis Required										Remarks				
		TVN	TH	TEH	TH	TH	TH	TH	TH	TH	TH					

Field Sample Number	Location/Depth	Date	Time	Sample Type	Type/Size of Container	Preservation											
						Cooler	Chemical										
Pit Water - Post Pumping	-	1/9/05	9:45	H ₂ O	1-Lambert	✓	none	1									
					40-ml VOA's	✓	HCl	3									

Relinquished by: B.M. Rucker
 Signature _____
 Printed Bruce Rucker
 Company Stellar Environmental

Date 1/9/05
 Time 1030

Received by: Lavonne Cubo
 Signature _____
 Printed Lavonne Cubo
 Company Curtis & Tompkins

Date 1/10/05
 Time 10:30

Relinquished by: _____
 Signature _____
 Printed _____
 Company _____

Date _____
 Time _____

Received by: _____
 Signature _____
 Printed _____
 Company _____

Date _____
 Time _____

Turnaround Time: 5 Day TAT
 Comments: grab-sample from excavation following removal of 1,200 gals between 1/9/05 @ 1500 + 1/10/05 730

Relinquished by: _____
 Signature _____
 Printed _____
 Company _____

Date _____
 Time _____

Received by: _____
 Signature _____
 Printed _____
 Company _____

Date _____
 Time _____

CASE NARRATIVE

Laboratory number: 184218
Client: Stellar Environmental Solutions
Project: 2005-51
Location: Acts Gospel Church
Request Date: 01/10/06
Samples Received: 01/10/06

This hardcopy data package contains sample and QC results for one water sample, requested for the above referenced project on 01/10/06. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184218	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51		
Field ID:	PIT WATER - POST PUM	Sampled:	01/10/06
Matrix:	Water	Received:	01/10/06
Units:	ug/L	Analyzed:	01/10/06
Batch#:	109368		

Type: SAMPLE Diln Fac: 10.00
 Lab ID: 184218-001

Analyte	Result	RL	Analysis
Gasoline C7-C12	2,800 H Y	500	EPA 8015B
MTBE	ND	20	EPA 8021B
Benzene	6.6	5.0	EPA 8021B
Toluene	13	5.0	EPA 8021B
Ethylbenzene	ND	5.0	EPA 8021B
m,p-Xylenes	6.3	5.0	EPA 8021B
o-Xylene	10	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	62-141	EPA 8015B
Bromofluorobenzene (FID)	94	78-134	EPA 8015B
Trifluorotoluene (PID)	100	67-127	EPA 8021B
Bromofluorobenzene (PID)	99	80-122	EPA 8021B

Type: BLANK Diln Fac: 1.000
 Lab ID: QC323624

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)	94	62-141	EPA 8015B
Bromofluorobenzene (FID)	93	78-134	EPA 8015B
Trifluorotoluene (PID)	98	67-127	EPA 8021B
Bromofluorobenzene (PID)	99	80-122	EPA 8021B

H= Heavier hydrocarbons contributed to the quantitation
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184218	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323625	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	18.06	90	72-124
Benzene	20.00	17.37	87	80-120
Toluene	20.00	17.22	86	80-120
Ethylbenzene	20.00	18.76	94	80-120
m,p-Xylenes	20.00	16.92	85	80-120
o-Xylene	20.00	18.25	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	101	67-127
Bromofluorobenzene (PID)	100	80-122

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184218	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323626	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,749	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	62-141
Bromofluorobenzene (FID)	99	78-134

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184218	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109368
MSS Lab ID:	184208-002	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323682

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,225	2,000	2,930	85	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	124	78-134

Type: MSD Lab ID: QC323683

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	3,247	101	80-120	10	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-141
Bromofluorobenzene (FID)	132	78-134

Total Extractable Hydrocarbons			
Lab #:	184218	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	PIT WATER - POST PUM	Sampled:	01/10/06
Matrix:	Water	Received:	01/10/06
Units:	ug/L	Prepared:	01/10/06
Diln Fac:	1.000	Analyzed:	01/11/06
Batch#:	109375		

Type: SAMPLE Lab ID: 184218-001

Analyte	Result	RL
Diesel C10-C24	3,800 L Y	50
Motor Oil C24-C36	390 L Y	300

Surrogate	%REC	Limits
Hexacosane	113	60-135

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC323657

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

Surrogate	%REC	Limits
Hexacosane	92	60-135

L= Lighter hydrocarbons contributed to the quantitation

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184218	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2005-51	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	109375
Units:	ug/L	Prepared:	01/10/06
Diln Fac:	1.000	Analyzed:	01/11/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC323658

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,492	100	53-138

Surrogate	%REC	Limits
Hexacosane	101	60-135

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC323659

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,321	93	53-138	7	36

Surrogate	%REC	Limits
Hexacosane	93	60-135



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: 16-JAN-06
Lab Job Number: 184217
Project ID: 2005-51
Location: Acts Gospel Church

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

This package may be reproduced only in its entirety.

187217

Chain of Custody Record

Lab job no _____

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

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

Date _____

Page 1 of 1

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

Cooler No. _____
Project Manager Bruce Rucker
Telephone No. (510) 644-3123

Project Name Acts Gospel Church
Project Number 2005-51

Fax No. (510) 644-3859
Samplers: (Signature) B.M. Rucker

Field Sample Number	Location/Depth	Date	Time	Sample Type	Type/Size of Container	Preservation		Filtered	No. of Containers	Analysis Required												Remarks					
						Cooler	Chemical																				
1	Tanked Water	1/14/05	10:00	H ₂ O	1-L amber	✓	none		1																		
					40-ml vials	✓	HCl		3	X																	

Relinquished by: B.M. Rucker Date 1/14/05 Received by: Lavanna Curtis Date 1/14/05
 Signature _____ Signature _____
 Printed Bruce Rucker Printed Lavanna Curtis
 Company Stellar Environmental Company Curtis & Tompkins

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

Turnaround Time: 5 Day TAT
 Comments: 1 grab sample from 1,200 gals of tanked water

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

2000-00-01

Received _____
 Ambient _____
 Ambient _____

CASE NARRATIVE

Laboratory number: 184217
Client: Stellar Environmental Solutions
Project: 2005-51
Location: Acts Gospel Church
Request Date: 01/10/06
Samples Received: 01/10/06

This hardcopy data package contains sample and QC results for one water sample, requested for the above referenced project on 01/10/06. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184217	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51		
Field ID:	TANKED WATER	Sampled:	01/10/06
Matrix:	Water	Received:	01/10/06
Units:	ug/L	Analyzed:	01/10/06
Batch#:	109368		

Type: SAMPLE Diln Fac: 20.00
 Lab ID: 184217-001

Analyte	Result	RL	Analysis
Gasoline C7-C12	14,000	1,000	EPA 8015B
MTBE	ND	40	EPA 8021B
Benzene	190	10	EPA 8021B
Toluene	220	10	EPA 8021B
Ethylbenzene	890	10	EPA 8021B
m,p-Xylenes	1,700	10	EPA 8021B
o-Xylene	620	10	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	62-141	EPA 8015B
Bromofluorobenzene (FID)	87	78-134	EPA 8015B
Trifluorotoluene (PID)	110	67-127	EPA 8021B
Bromofluorobenzene (PID)	102	80-122	EPA 8021B

Type: BLANK Diln Fac: 1.000
 Lab ID: QC323624

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)	94	62-141	EPA 8015B
Bromofluorobenzene (FID)	93	78-134	EPA 8015B
Trifluorotoluene (PID)	98	67-127	EPA 8021B
Bromofluorobenzene (PID)	99	80-122	EPA 8021B

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184217	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323625	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	18.06	90	72-124
Benzene	20.00	17.37	87	80-120
Toluene	20.00	17.22	86	80-120
Ethylbenzene	20.00	18.76	94	80-120
m,p-Xylenes	20.00	16.92	85	80-120
o-Xylene	20.00	18.25	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	101	67-127
Bromofluorobenzene (PID)	100	80-122

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184217	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323626	Batch#:	109368
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,749	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	62-141
Bromofluorobenzene (FID)	99	78-134

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	184217	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	109368
MSS Lab ID:	184208-002	Sampled:	01/09/06
Matrix:	Water	Received:	01/09/06
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: MS Lab ID: QC323682

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,225	2,000	2,930	85	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	62-141
Bromofluorobenzene (FID)	124	78-134

Type: MSD Lab ID: QC323683

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	3,247	101	80-120	10	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	62-141
Bromofluorobenzene (FID)	132	78-134

Total Extractable Hydrocarbons			
Lab #:	184217	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2005-51	Analysis:	EPA 8015B
Field ID:	TANKED WATER	Sampled:	01/10/06
Matrix:	Water	Received:	01/10/06
Units:	ug/L	Prepared:	01/10/06
Diln Fac:	1.000	Analyzed:	01/11/06
Batch#:	109375		

Type: SAMPLE Lab ID: 184217-001

Analyte	Result	RL
Diesel C10-C24	5,500 H L	50
Motor Oil C24-C36	480 L	300

Surrogate	%REC	Limits
Hexacosane	108	60-135

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC323657

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

Surrogate	%REC	Limits
Hexacosane	92	60-135

H= Heavier hydrocarbons contributed to the quantitation

L= Lighter hydrocarbons contributed to the quantitation

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	184217	Location:	Acts Gospel Church
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2005-51	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	109375
Units:	ug/L	Prepared:	01/10/06
Diln Fac:	1.000	Analyzed:	01/11/06

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC323658

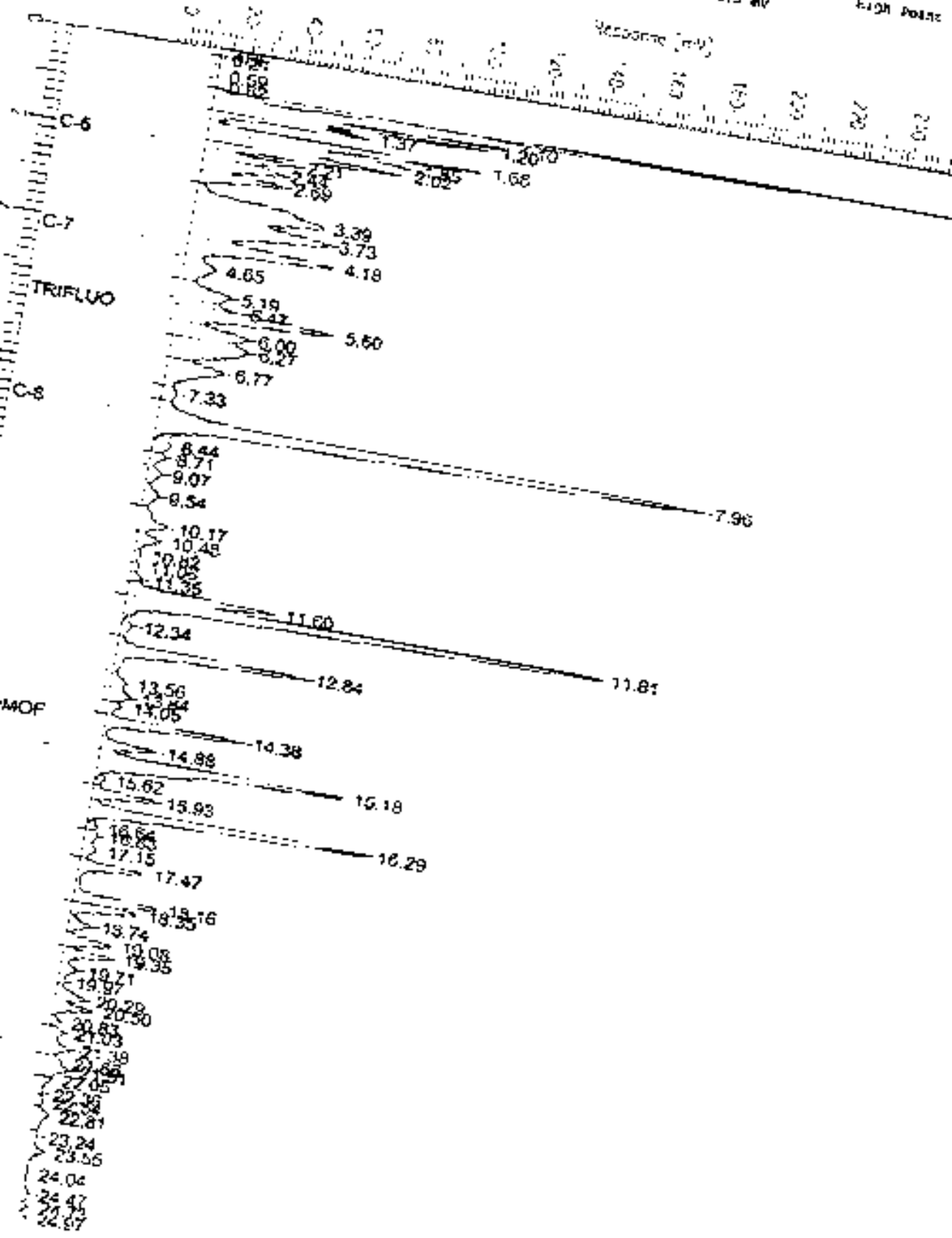
Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,492	100	53-138

Surrogate	%REC	Limits
Hexacosane	101	60-135

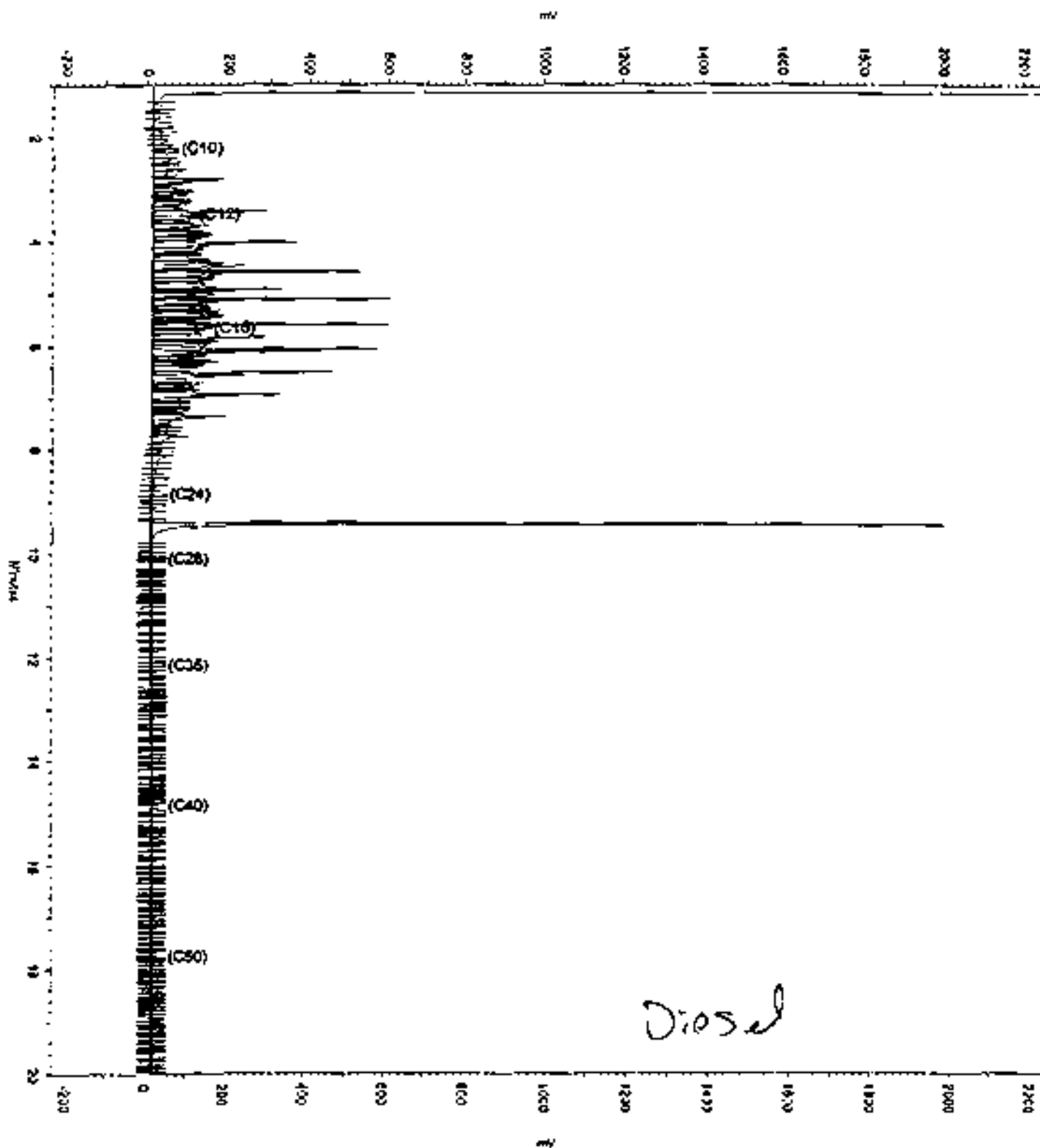
Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC323659

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,321	93	53-138	7	36

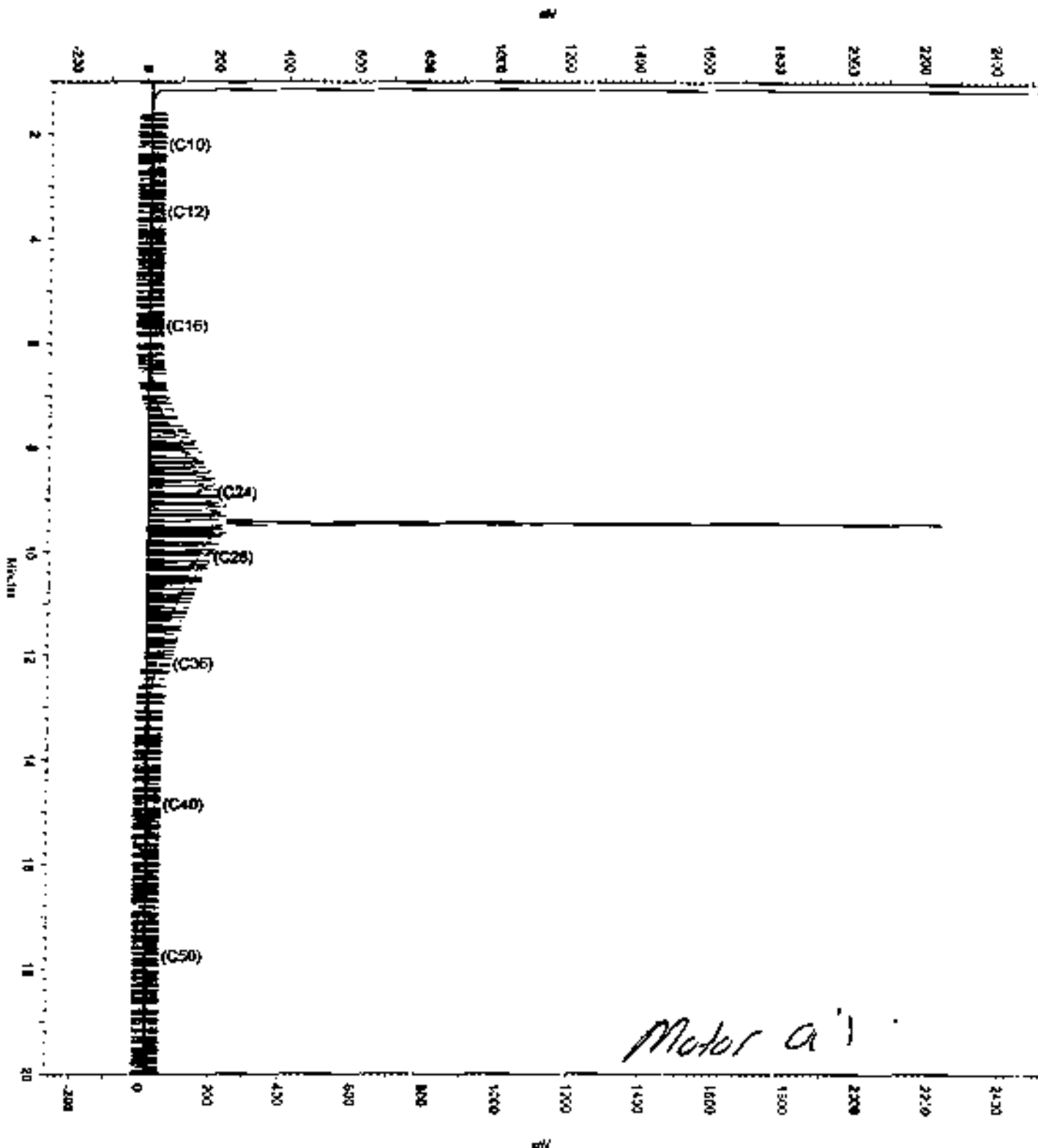
Surrogate	%REC	Limits
Hexacosane	93	60-135



Sample Name: 007_52268_dsl_500
Data File: \\Lincs\gd\hr\hvac\chrom\Projects\GC17A\Dec03\11a002
Sequence File: \\Lincs\gd\hr\hvac\chrom\Projects\GC17A\Sequence\011.Lseq
Software Version: 5.1.7
Method Name: \\Lincs\gd\hr\hvac\chrom\Projects\GC17A\Method\slp000.met
Run Date: 1/11/2006 12:30:25 PM
Analyze Date: 1/11/2006 12:48:10 PM
Instrument: GC17A (QILINS) Vial: 2 Operator: Teh 3 Analyst: (msz303@PQ)
Sample Amount: 1 Dilution Factor: 1 PDF: 1



Sample Name: cov_200411_rev_000
Data File: \\Lims\gd\reports\chrom\Projects\GC17A\Data\011a000
Sequence File: \\Lims\gd\reports\chrom\Projects\GC17A\Sequence\011.seq
Software Version: 3.1.7
Method Name: \\Lims\gd\reports\chrom\Projects\GC17A\Method\gash000.msl
Run Date: 1/11/2006 12:42:37 PM
Analysis Date: 1/11/2006 1:15:52 PM
Instrument: GC17A Ver 3 Operator: Tah J. Analyst (SmsZichleq)
Sample Amount: 1 Injection Factor: 1 PDF: 1



Chromatogram

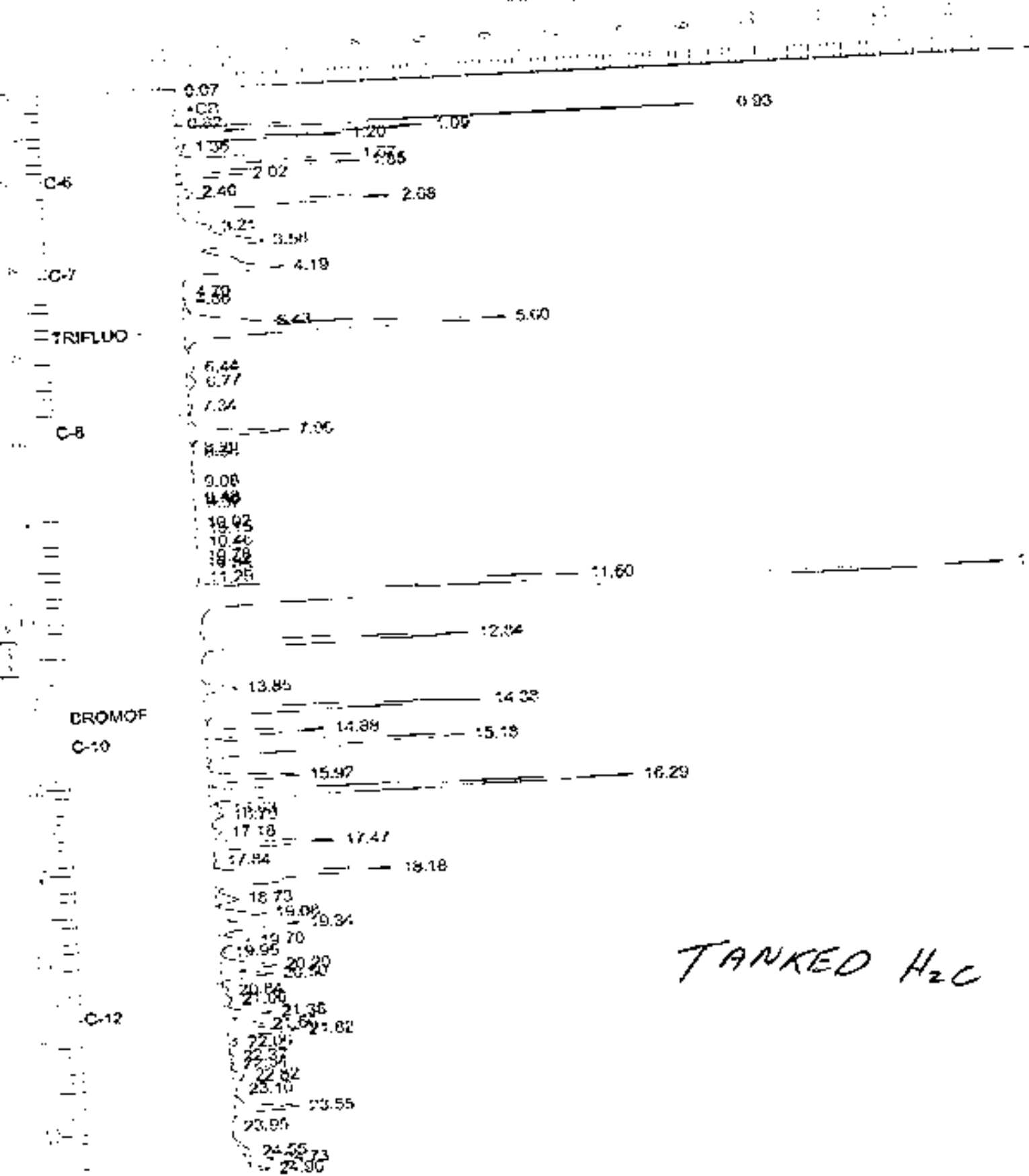
Sample Name : 116217 091.109163.Pvwampad
Date : 0:\DC55\DATA\01000117RAW
Method : TRMBOXE
Injection Time : 0.50 min
Injection Volume : 1.0

Sample No : 11.0
Date : 1/11/06 09:23 AM
Time of Injection : 1/10/06 05:27 PM
Low Point : 5.00 mV
Plot Scale : 225.4 mV

High Point : 115.00 mV

End Time : 15.00 min
Plot Offset : 0 mV

Resolution : 0.1

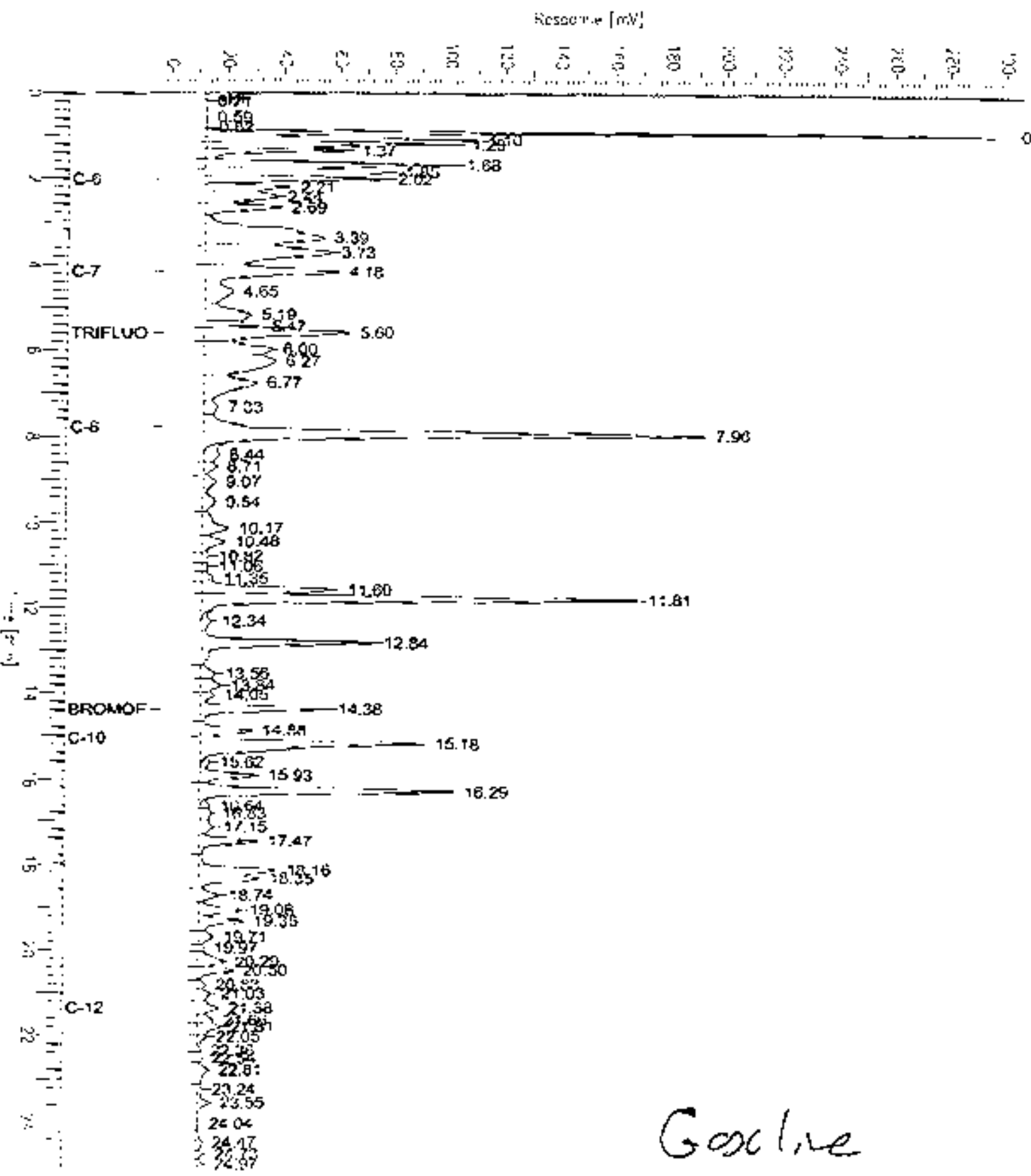


TANKED H₂O

Chromatogram

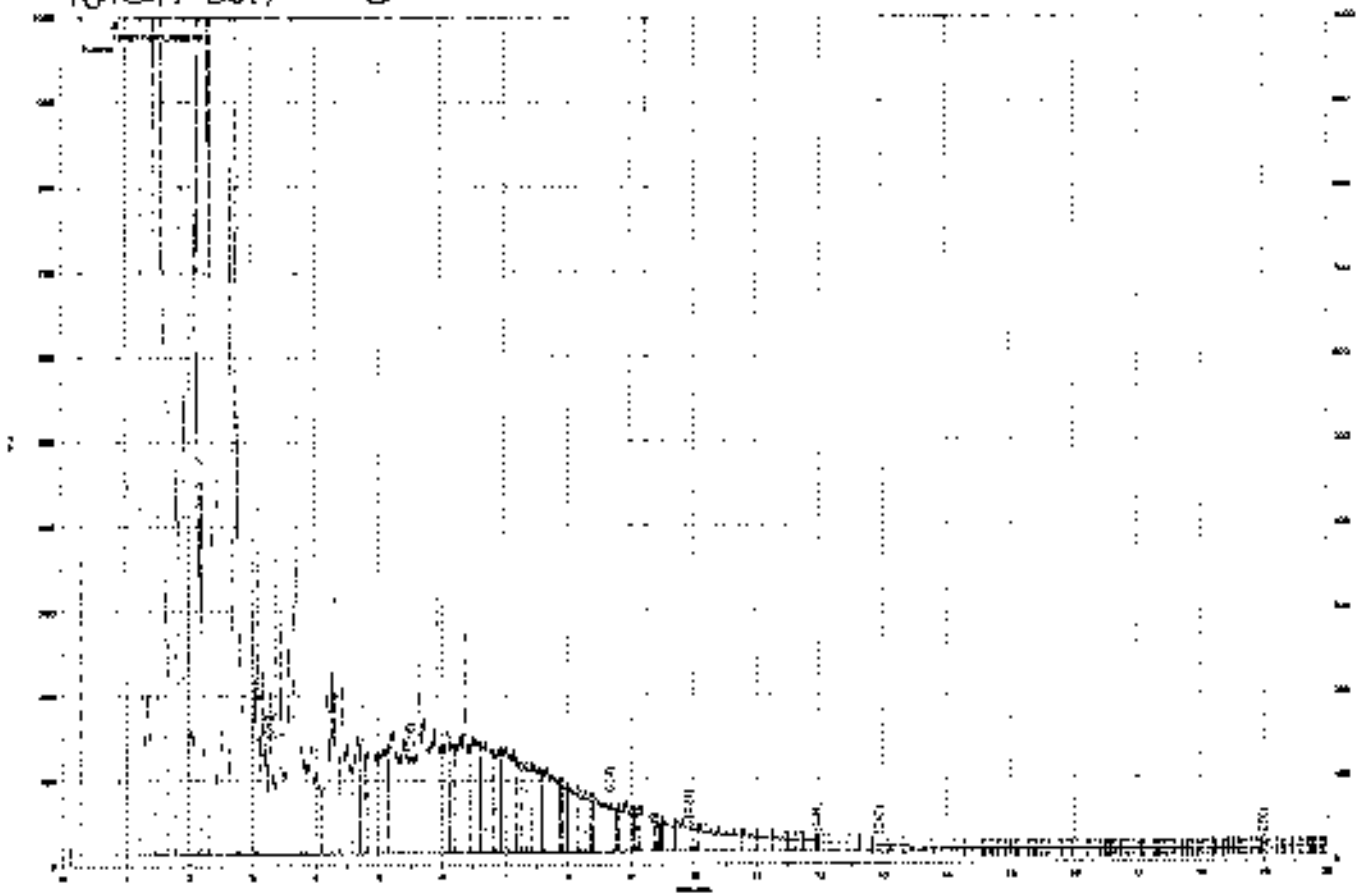
Sample Name : cov/100.gr123426.109366.50400.5/5000
File Name : G:\GCSS\DATA\11000003.raw
Method : FIDMSDIE
Start Time : 0.00 min End Time : 25.00 min
Scale Factor : 1.0 Plot Offset : 1 mV

Sample #:
Date : 1/17/06 02:18 AM Page 1 of 1
Time of Injection: 1/10/06 01:05 AM
Low Point : -2.08 mV High Point : 301.45 mV
Plot Scale: 301.5 mV



Gasoline

18+217-001, 109375



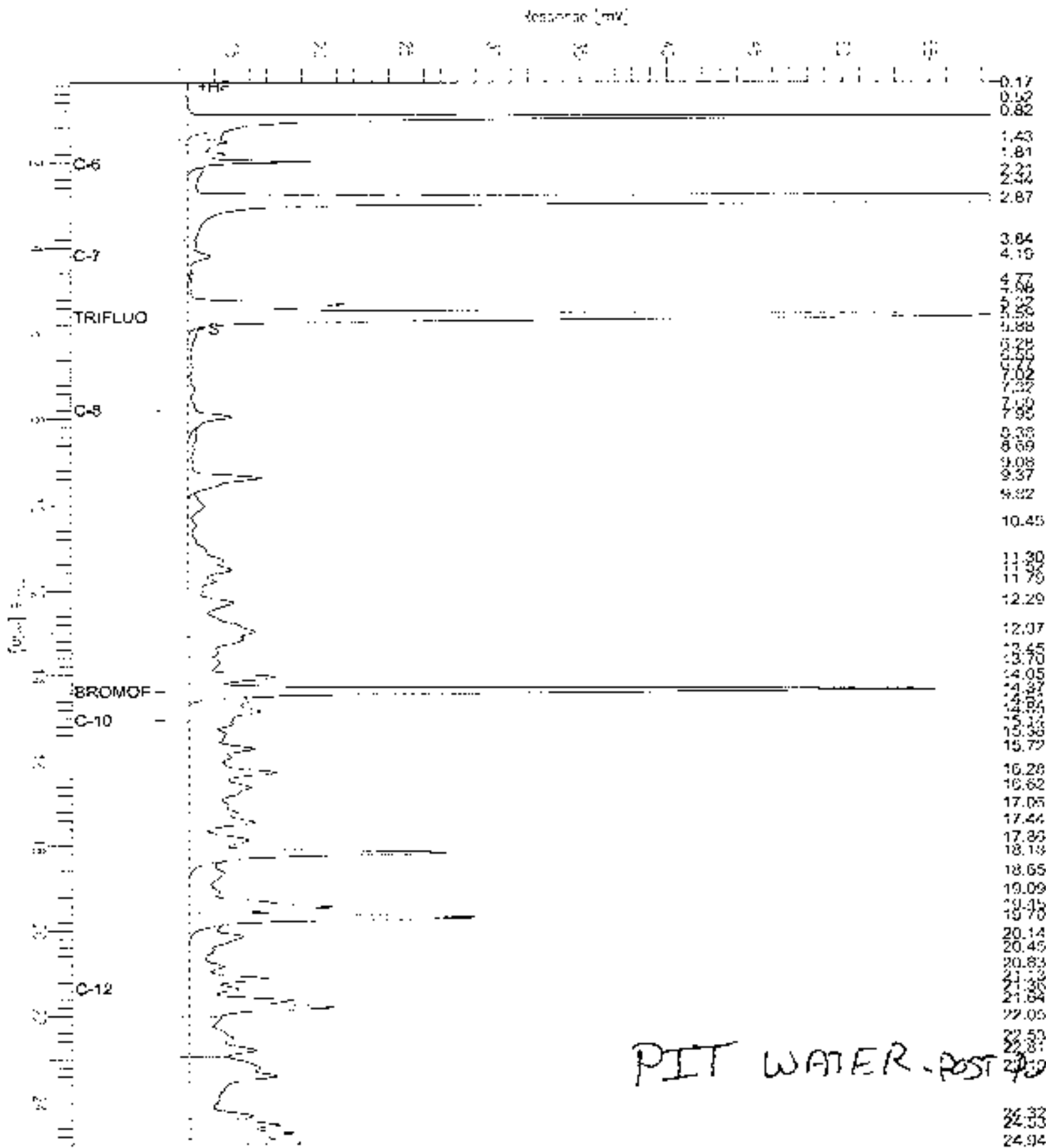
\\lms\gdrive\ezchrom\Projects\GC11A\Data\011a007_A

TANKED Water

Chromatogram

Sample Name : 164218-001,109368,cvhw+bxke
 FileName : C:\GC05\DATA\01GC021.RAW
 Method :
 Start Time : 0.13 min
 Scale Factor : 0.0

Sample #: 01.0
 Date : 1/11/06 09:19 AM
 Time of Injection : 1/10/06 10:41 AM
 Low Point : 11.04 mV
 High Point : 58.46 mV
 Plot Offset : 11 mV
 Plot Scale : 49.4 mV



PIT WATER - POST 40

Chromatogram

Sample Name : 184212 G10,109368,abcxx+cvh
FileName : G:\CCGS\DATA\1109089.saw
Method : TVSGCCKE
Start Time : 9.00 min
Scale Factor: 1.0

End Time : 25.00 min
Plot Offset: 10 mV

Sample #: 01.0

Date : 1/12/00 06:50 AM

Time of Injection: 1/10/00 04:24 PM

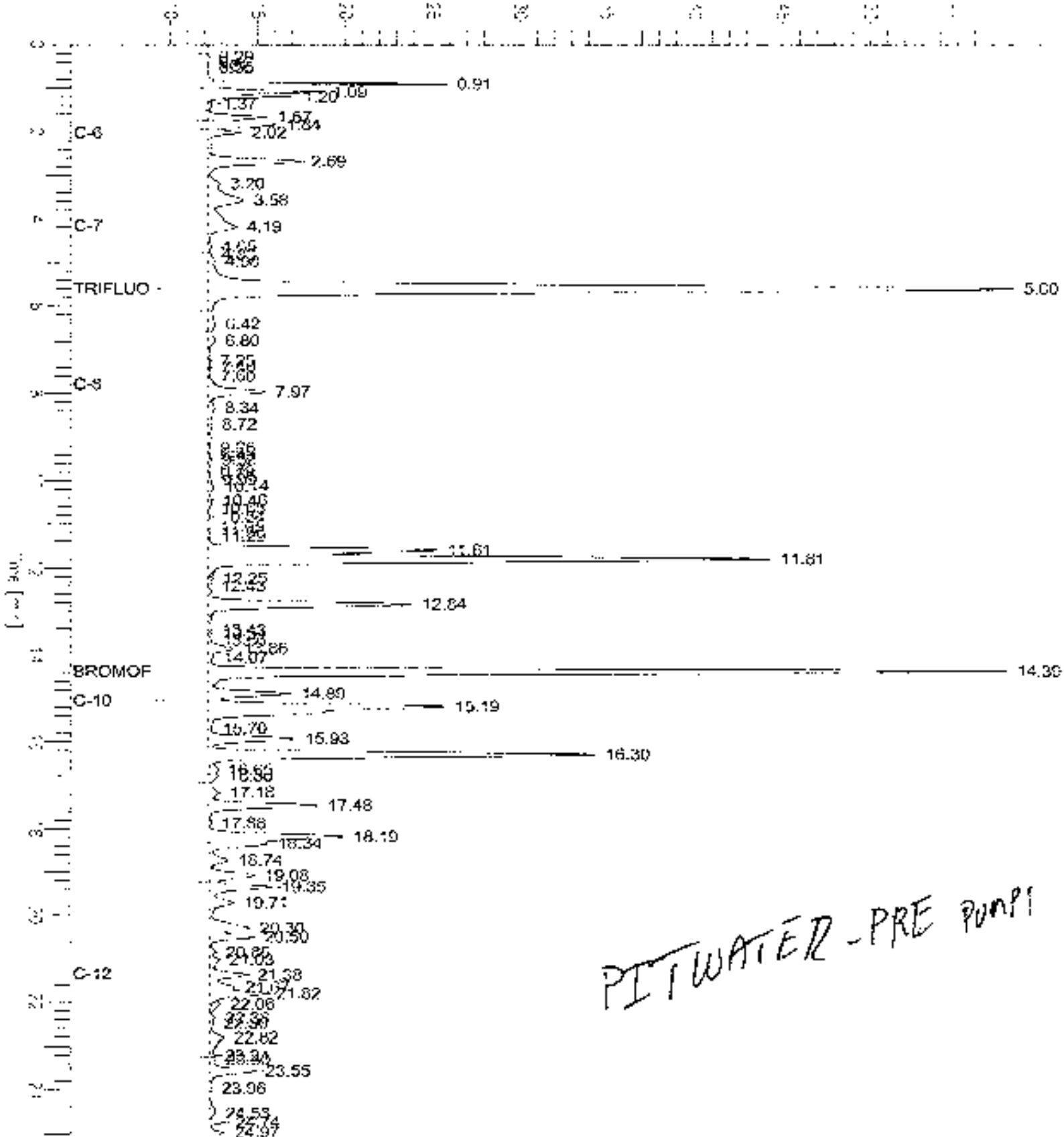
Low Point : 9.83 mV

Plot Scale: 49.4 mV

Page 1 of 1

High Point : 58.19 mV

Response [mV]



PITWATER - PRE PUMPS

Name : 184212 061.104354
C:\NOV19\DATA\110706\029.DAT
Time : 0.52 min
Factor : 0.0

End Time : 06.50 min
Plot Offset: 1 mV

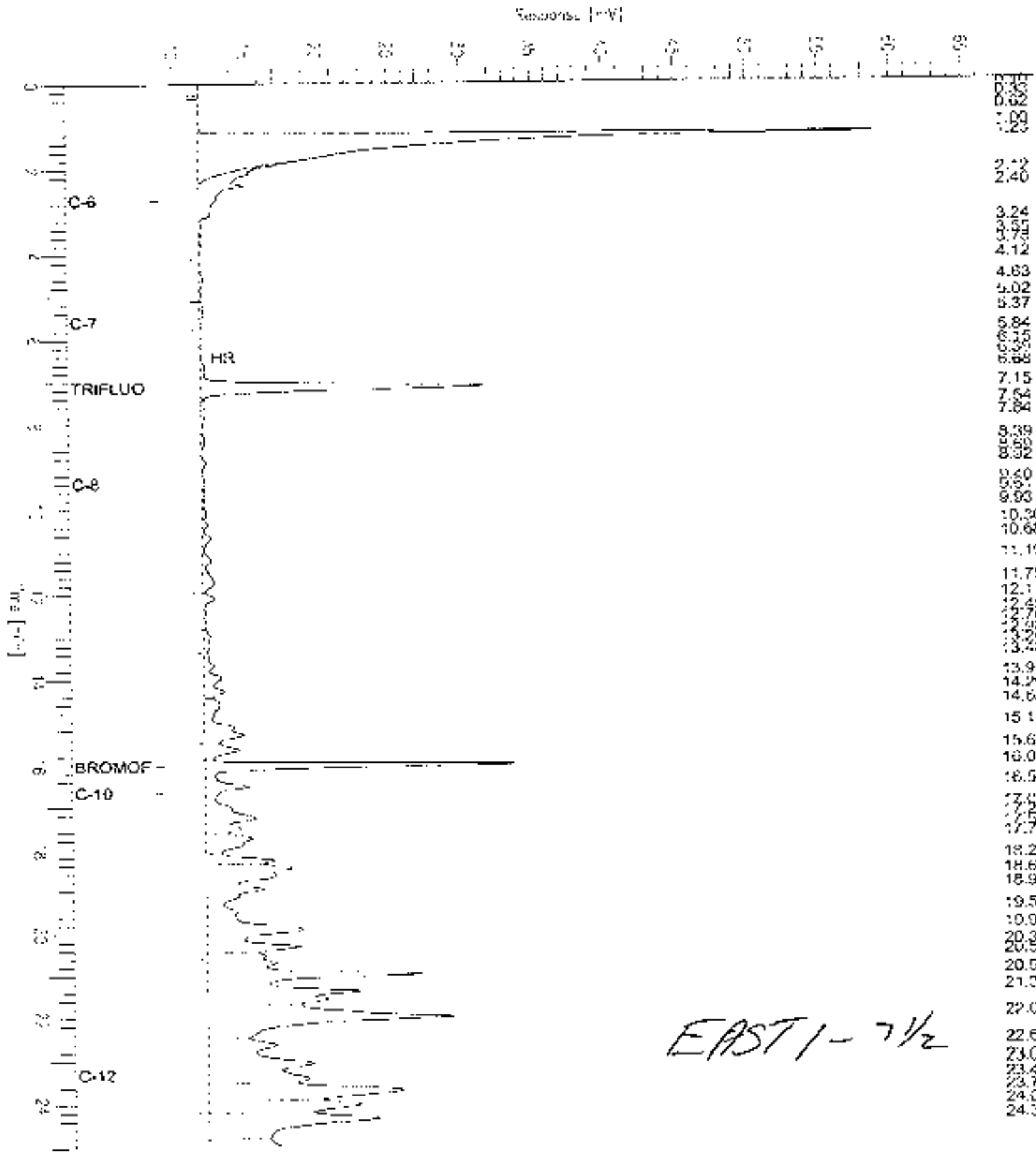
Sample #: 4
Date: 1/10/06 09:05 AM
Time of Injection: 1/10/06 01:25 PM
Low Point: 0.51 mV
High Point: 53.1 mV
Plot Scale: 52.4 mV



GC19 TVH 'X' Data File (FID)

Sample Name : 184212-002,109355
 FileName : C:\GC19\DATA\10\GC19.raw
 Method : TVHBTXZ
 Start Time : 9.00 min
 Scale Factor : 1.0

Sample #: 8
 Date : 1/11/06 09:22 AM
 Time of Injection: 1/10/06 00:36 PM
 Low Point : 9.00 mV
 High Point : 69.70 mV
 Plot Scale: 50.0 mV
 End Time : 25.00 min
 Plot Offset: 0 mV



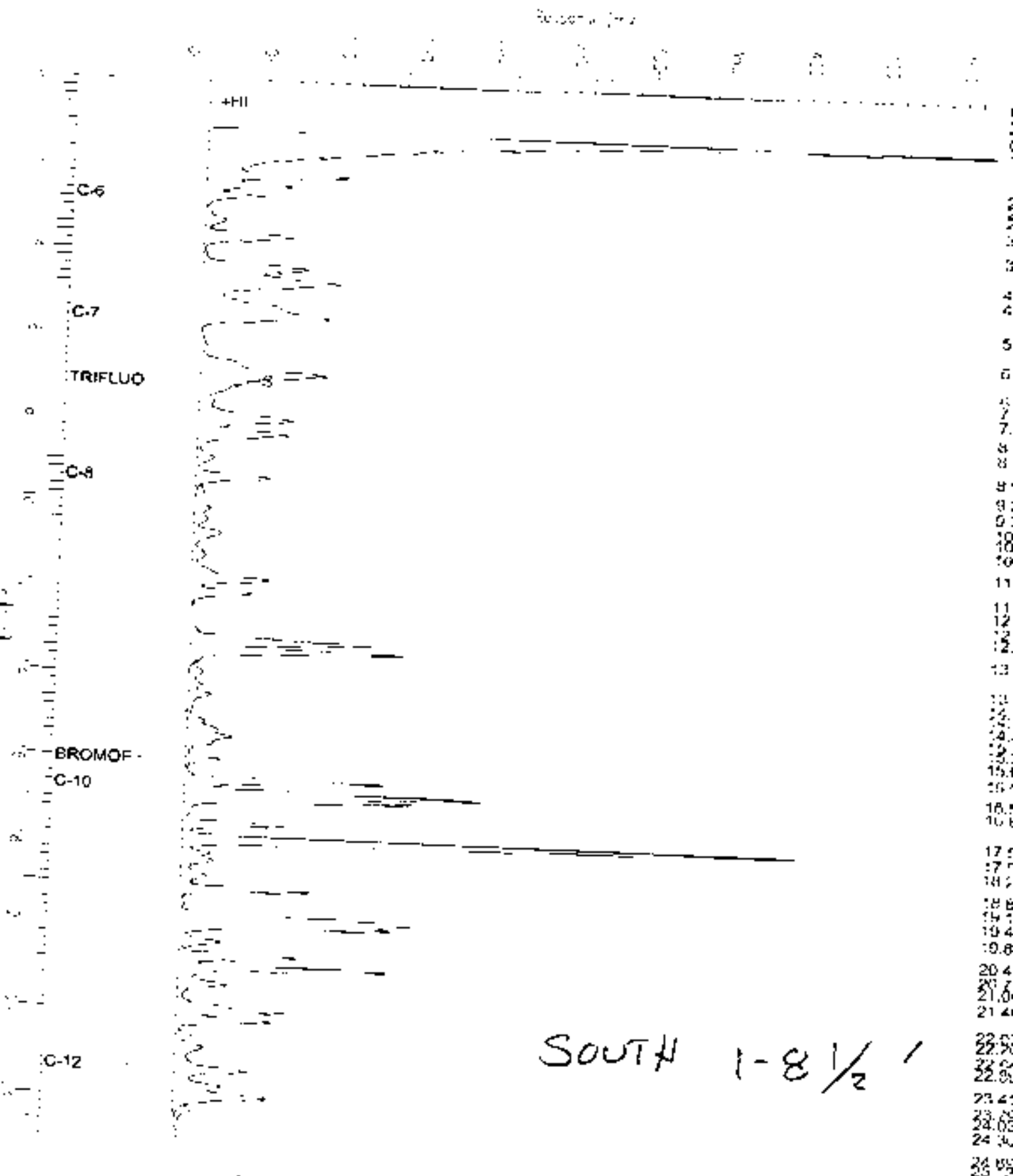
EAST 1 - 7 1/2

GC19 TVH 'X' Data File (FID)

Sample Name: 184212 001, 103305
 File Name: C:\GC19\DATA\1010X020.raw
 Method: TVHSTAN
 Start Time: 0.00 Min
 Scale Factor: 1.1

End Time: 25.00 min
 Plot Offset: 14 mV

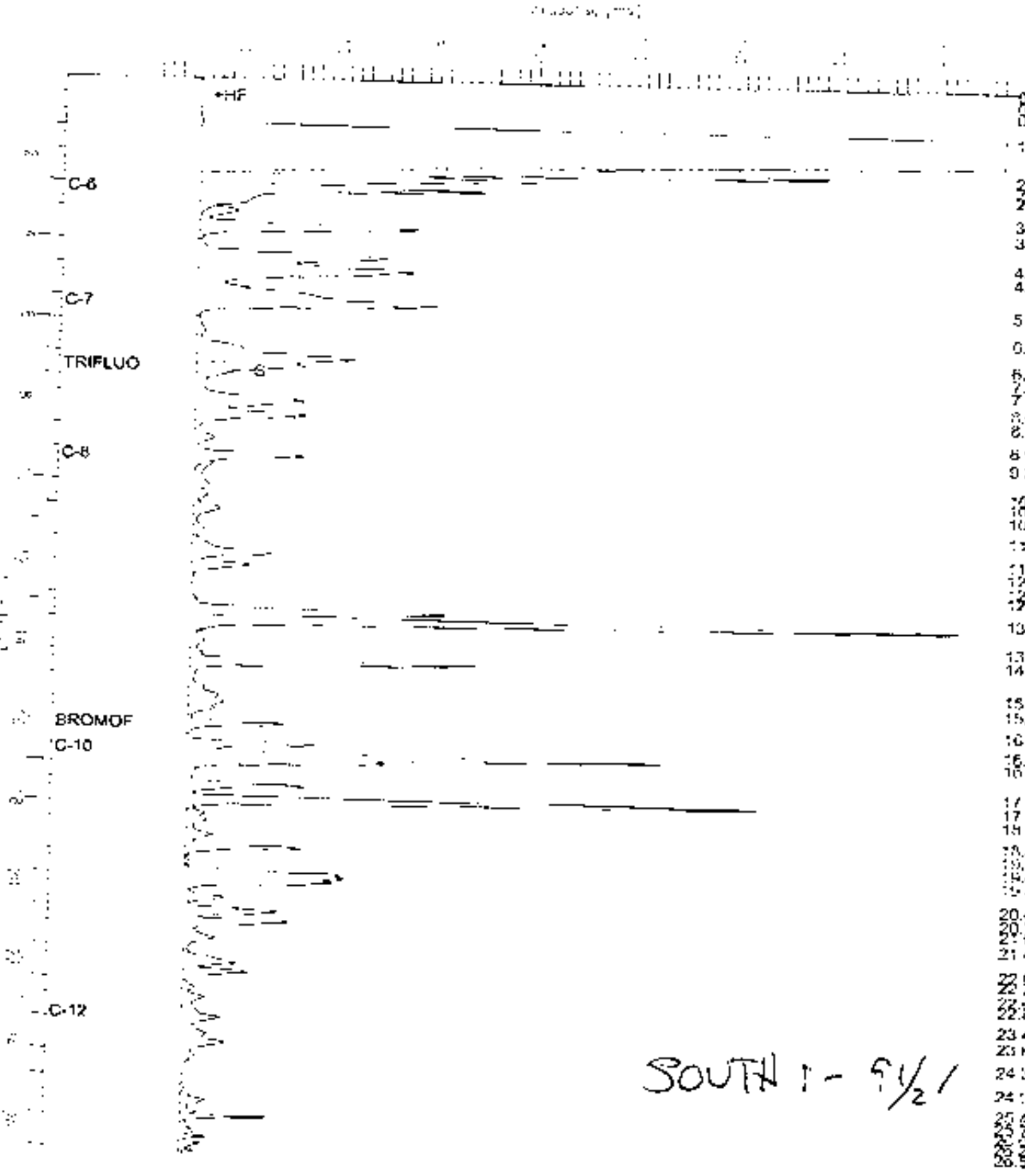
Sample #: 1
 Date: 1/10/06 09:22 AM
 Time of Injection: 1/10/06 09:13 PM
 Low Point: -11.61 mV
 High Point: 515.00 mV
 Plot Scale: 111.4 mV



GC19 TVH 'X' Data File (FID)

Sample Name: 154212-004.D00001
 File Name: C:\GC19\DATA\154212.D00001.RAW
 Method:
 Retention Time: 0.02 min
 Scale Factor: 3.0
 End Time: 26.60 min
 Run Offset: 4.00

Sample #: 6
 Date: 1/11/86 09:01 AM
 Time of Injection: 1/13/86 03:10 AM
 Low Point: 3.00 mV
 High Point: 174.25 mV
 Plot Scale: 170.6 mV



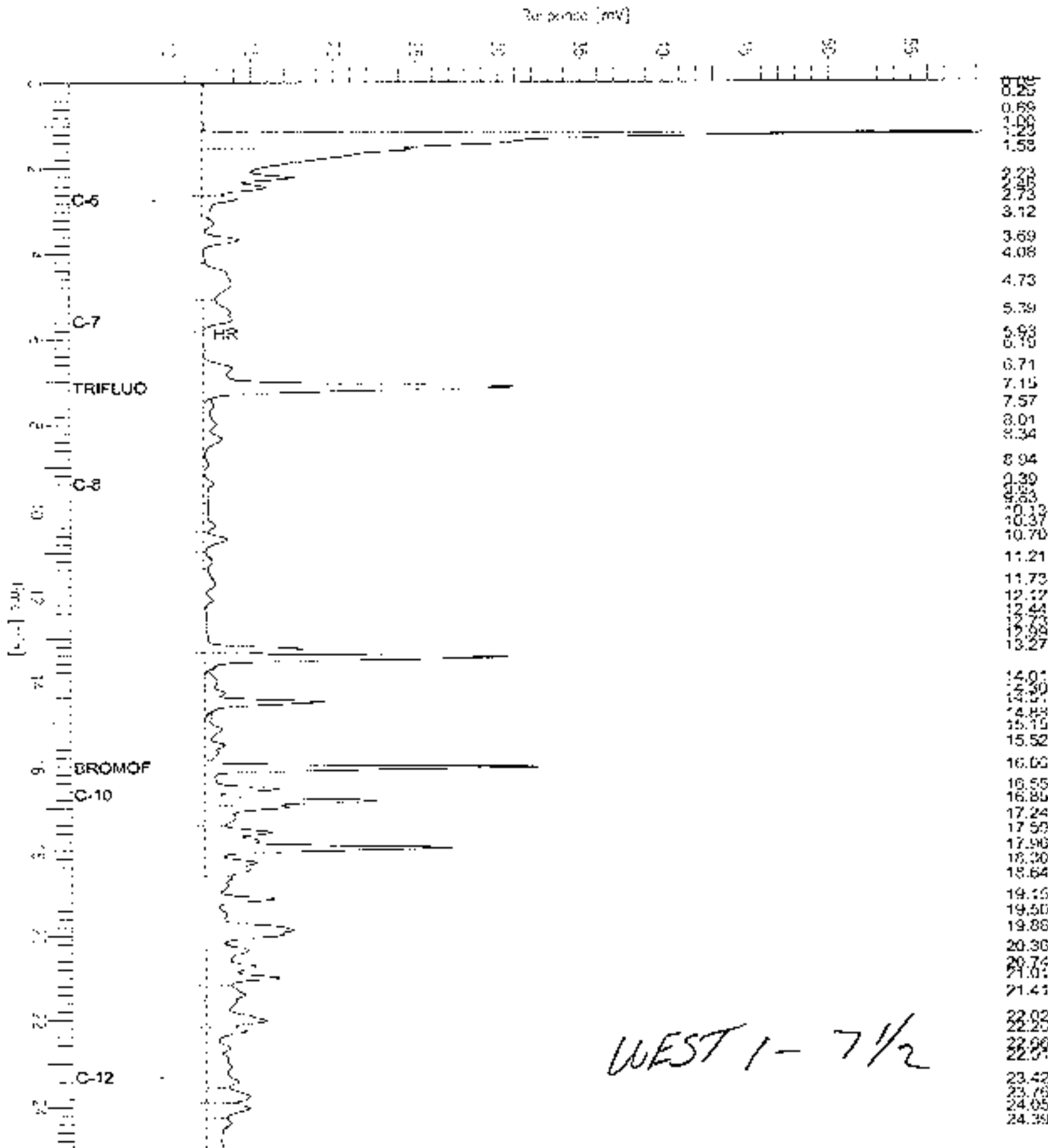
GC19 TVH 'X' Data File (FID)

Sample Name : nes.184812-005.199355
 FileName : G:\GC19\DATA\01\GC005.raw
 Method : TVHUXE
 Start Time : 3.00 min
 Scale Factor : 1.0

End Time : 23.00 min
 Plot Offset : 10 mV

Sample #: 2
 Date : 1/11/05 09:21 AM
 Time of Injection: 1/10/06 10:43 AM
 Low Point : 9.64 mV
 High Point : 59.90 mV
 Plot Scale: 50.3 mV

Page 1 of 1



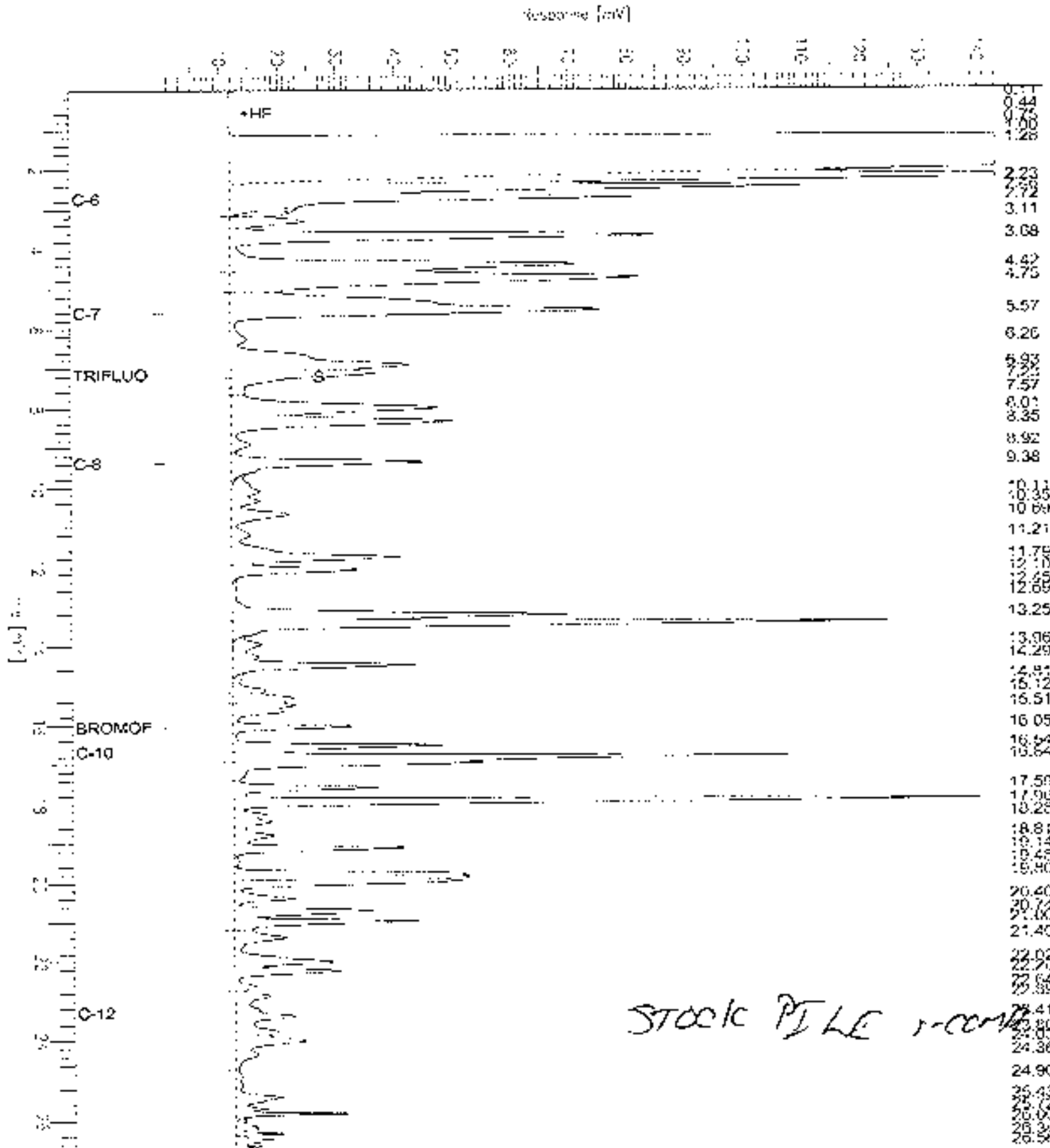
GC19 TVH 'X' Data File (FID)

Sample Name : 104012-097,109355
 File Name : C:\GC19\DATA\1102015.RAW
 Method :
 Start Time : 0.00 min
 Scale Factor : 0.0

End Time : 26.80 min
 Plot Offset : 0 mV

Sample #: a
 Date : 1/11/06 09:11 AM
 Time of Injection: 1/10/06 06:20 PM
 Low Point : 0.32 mV
 High Point : 143.05 mV
 Plot Scale: 142.7 mV

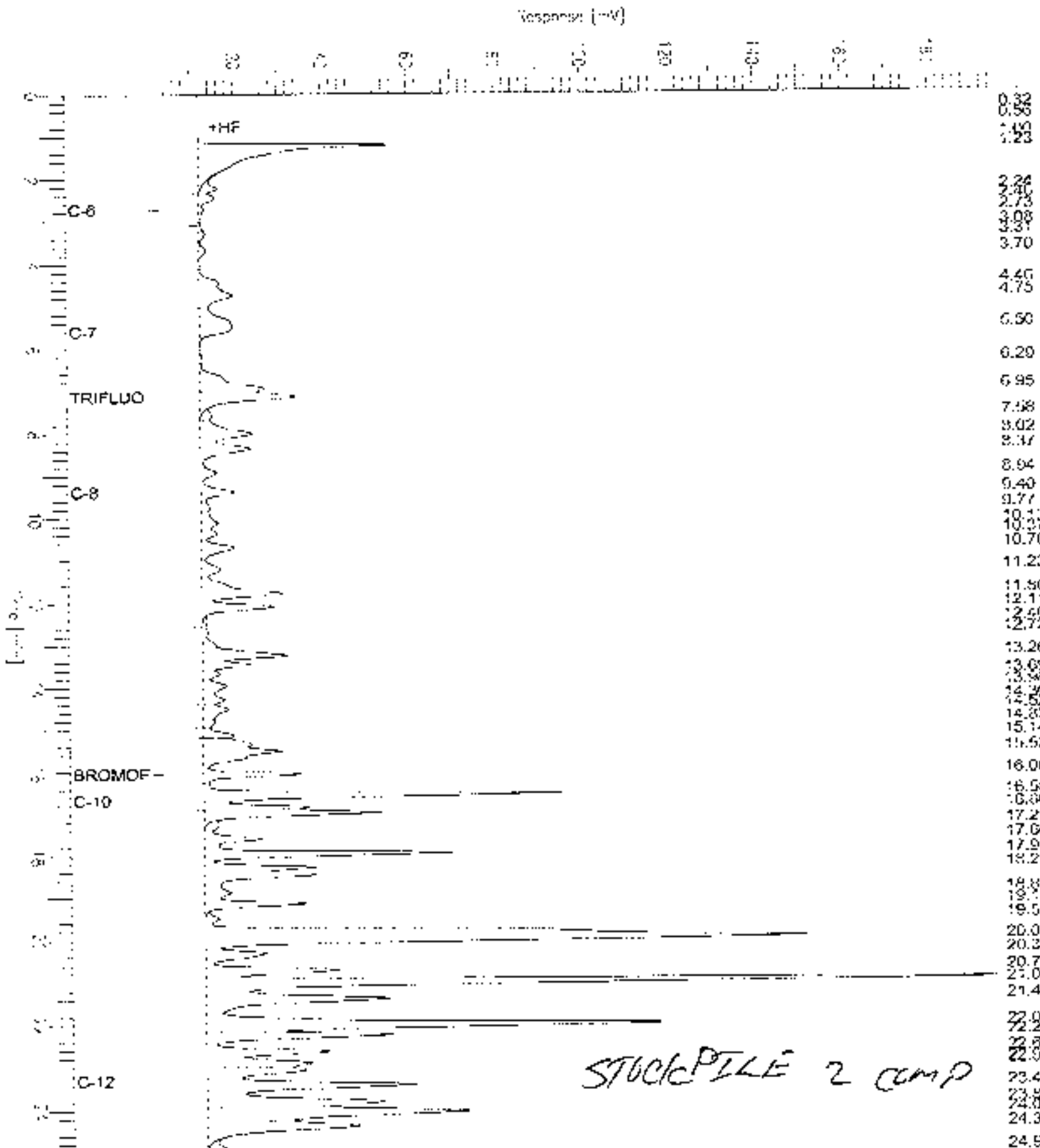
Page 1 of 1



GC19 TVH 'X' Data File (FID)

Sample Name : LB4212 000,109255
 FileName : C:\GC19\DATA\010X007.raw
 Method : TVH07.ME
 Start Time : 0.00 min
 Scale Factor : 1.0

Sample #: a
 Date : 1/11/06 09:21 AM
 Time of Injection: 1/10/06 11:51 AM
 Low Point : 2.96 mV
 High Point : 194.34 mV
 Plot Scale: 191.6 mV

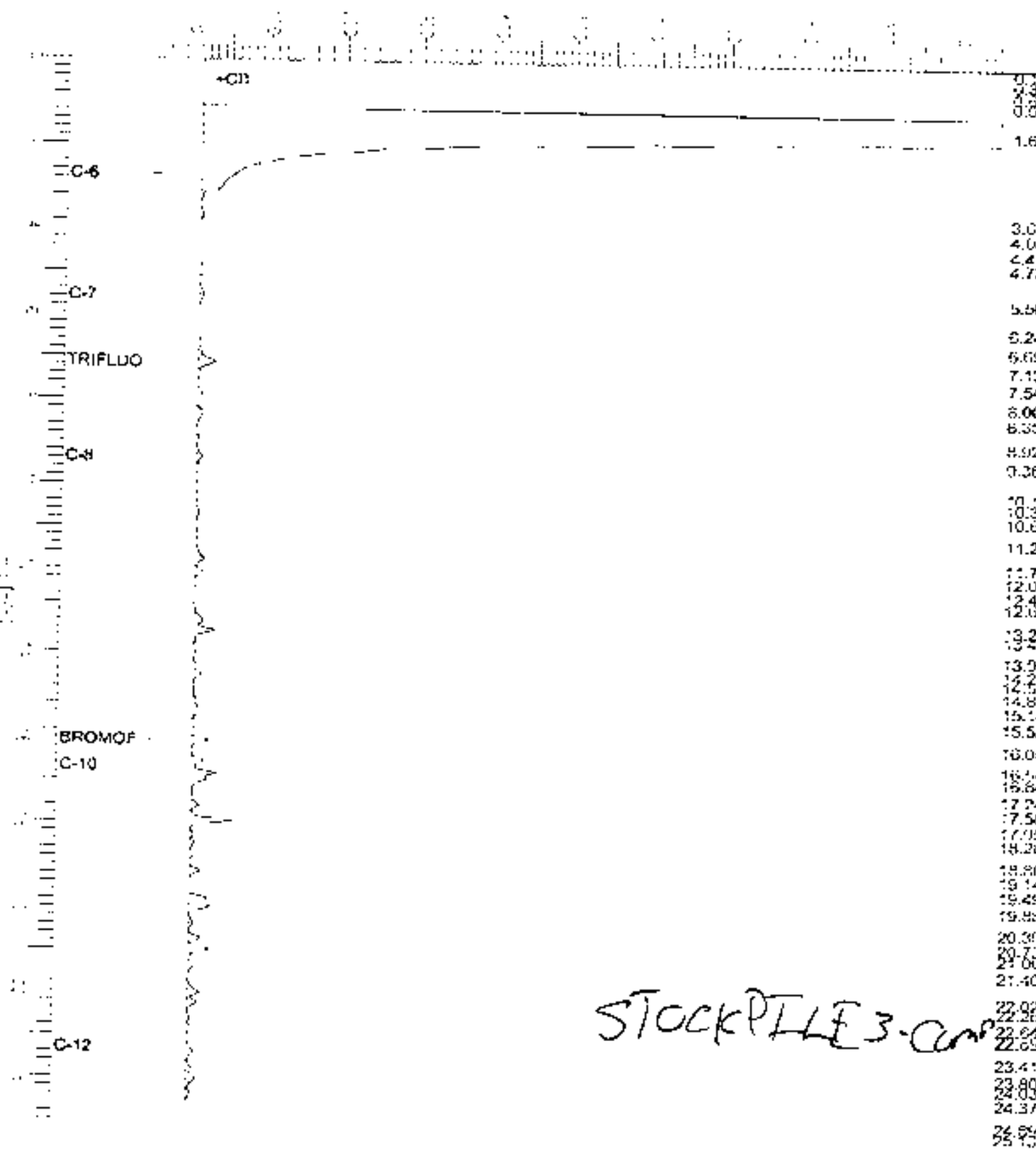


GC19 TVH 'X' Data File (FID)

Sample Name : 194212-003.109430
 FileName : G:\GC19\DATA\01024001.cov
 Method : TVH187XL
 Start Time : 0.00 min End Time : 25.00 min
 Scale Factor : 1.0 Plot Offset : -40 mV

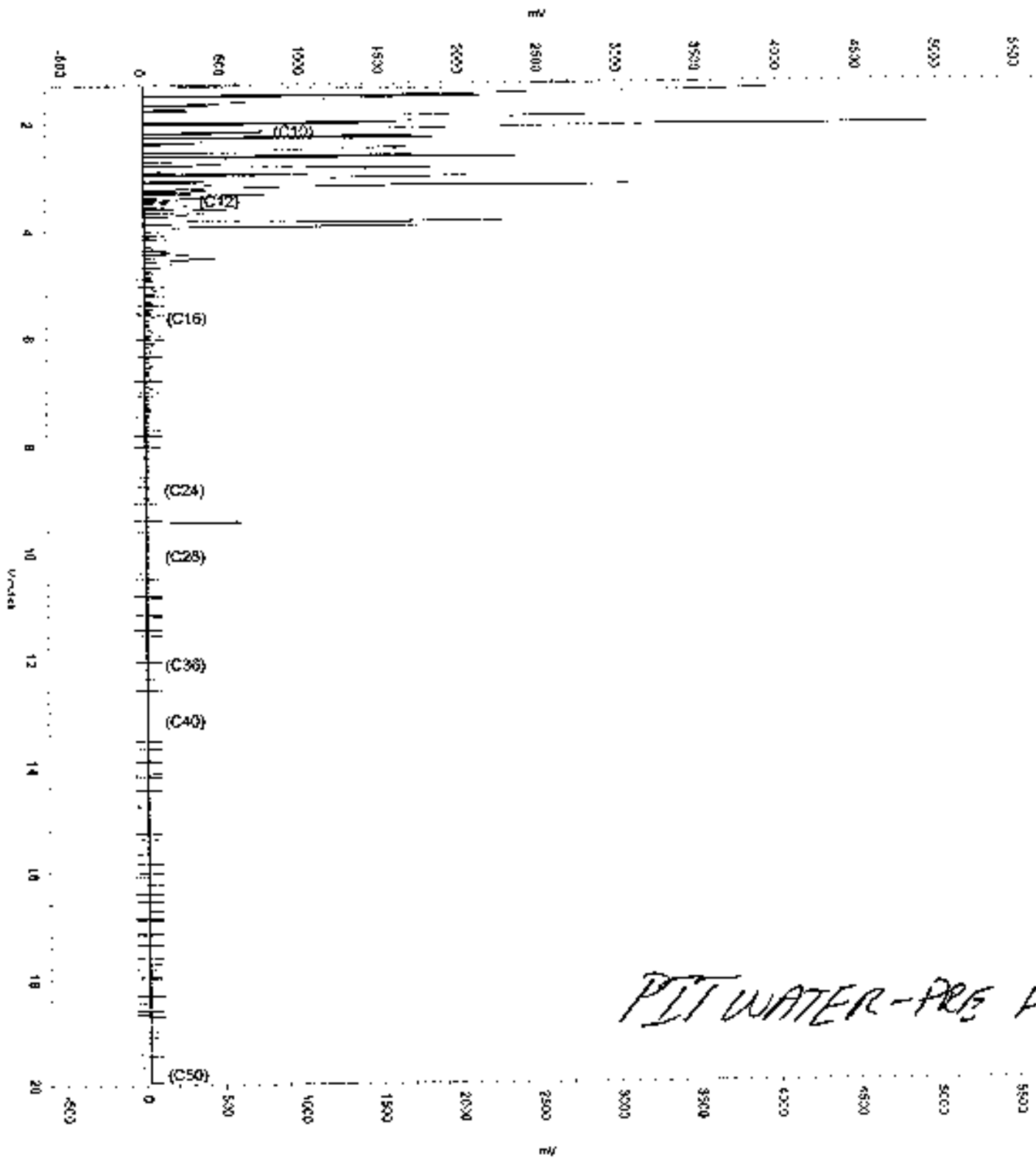
Sample #: 1
 Date : 1/12/06 03:04 PM Page 1 of 1
 Time of Injection : 1/12/06 03:13 PM
 Low Point : -40.15 mV High Point : 1050.00 mV
 Plot Scale: 1190.0 mV

Response [mV]



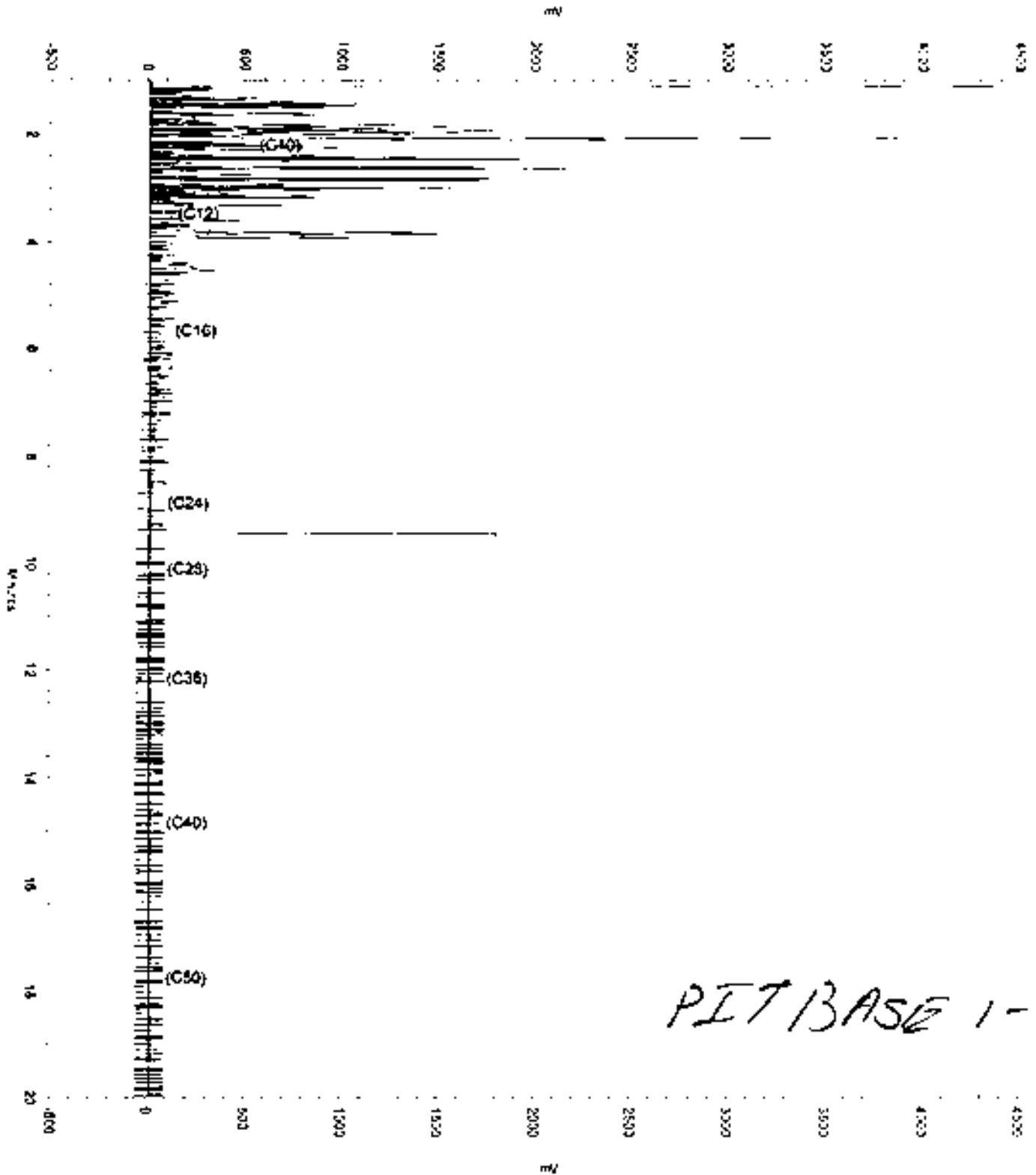
STOCKPILE 3-COMP

Sample Name: 184212-010,108484,3x
Data File: \\Limsig\dr\ve\azchrom\Projects\GC13B\Data\016b055
Sequence File: \\Limsig\dr\ve\azchrom\Projects\GC13B\Sequence\016.seq
Software Version: 3.1.7
Method Name: \\Limsig\dr\ve\azchrom\Projects\GC13B\Method\16h010.mxd
Run Date: 1/17/2006 8:45:53 AM
Analysis Date: 1/17/2006 1:57:05 PM
Instrument: GC13B (Offline) Val: 55 Operator: Tom S, Analyst (1mazk\16h3)
Sample Area: ml

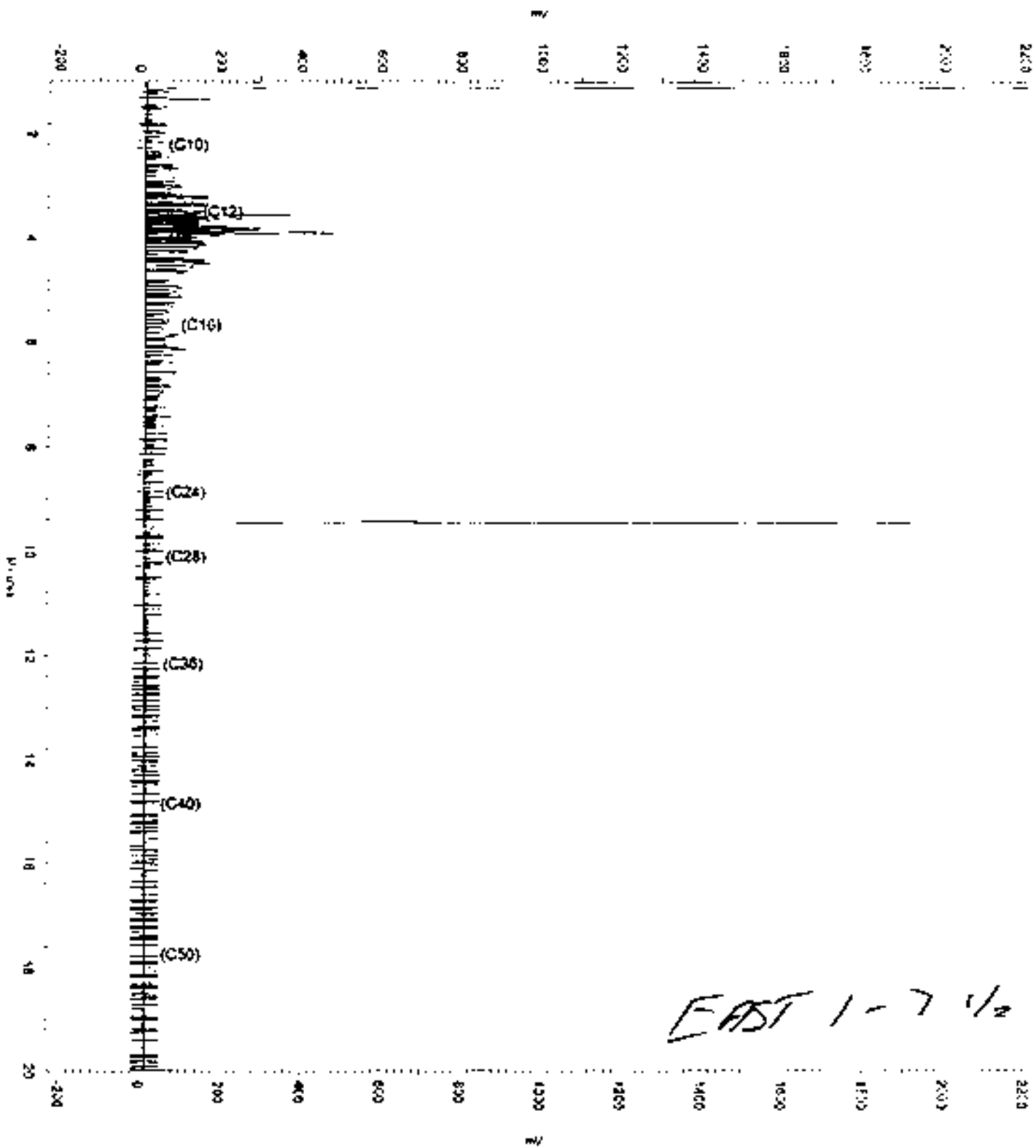


PIT WATER - PRE Pump

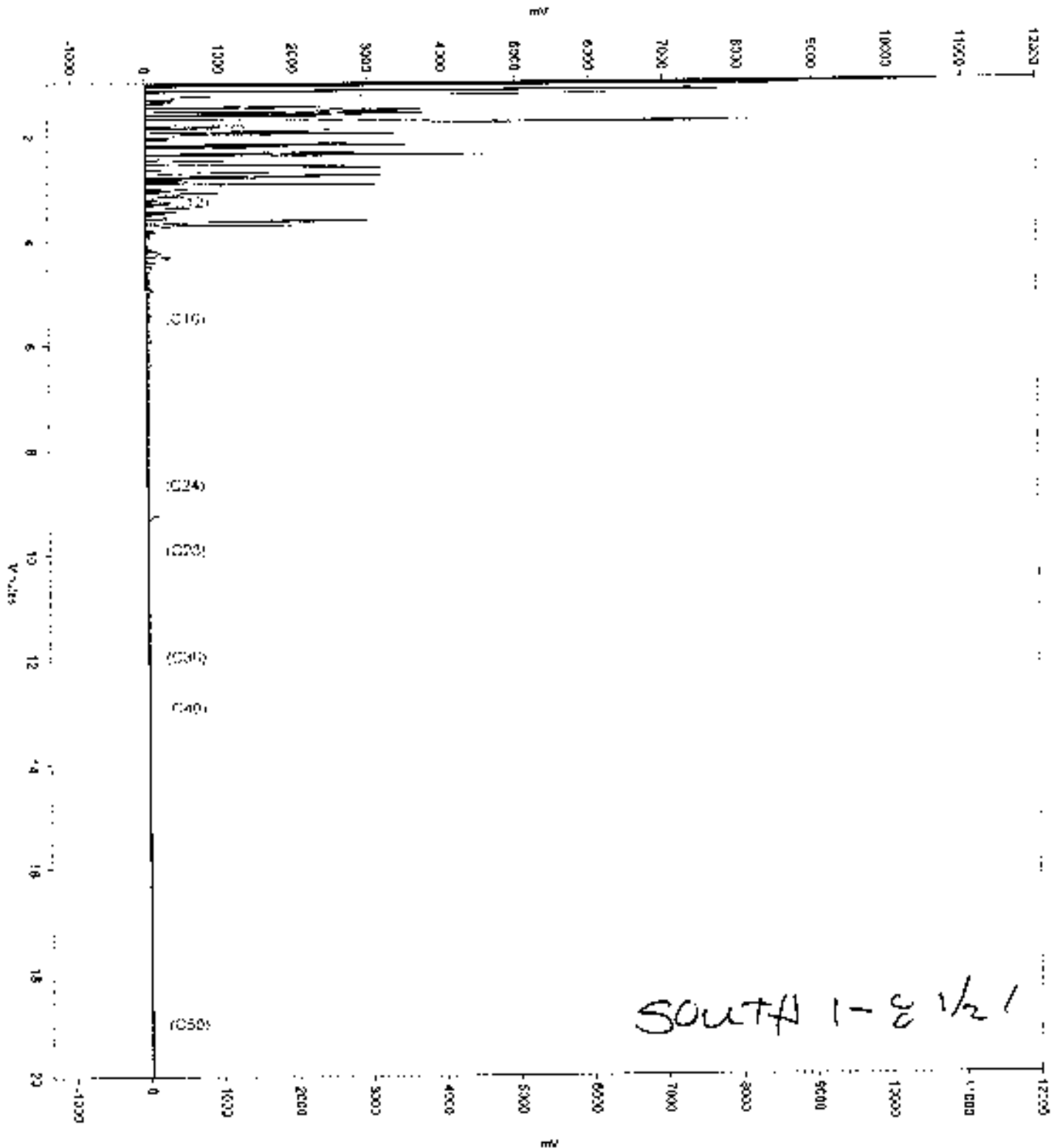
Sample Name: 184212-001_109359
Data File: \\links\drive\eschrom\Projects\GC17A\Data\0112004
Sequence File: \\links\drive\eschrom\Projects\GC17A\Sequence\011.seq
Software Version: 3.1.7
Method Name: \\links\drive\eschrom\Projects\GC17A\Method\date\GC08.met
Run Date: 1/12/2006 2:10:51 PM
Analysis Date: 1/12/2006 3:19:25 PM
Instrument: GC17A (Online) Vial: 34 Operator: Teh S. Anny (links2k3.com)
Sample Amount: 1 Dilution Factor: 1 PDS: 1



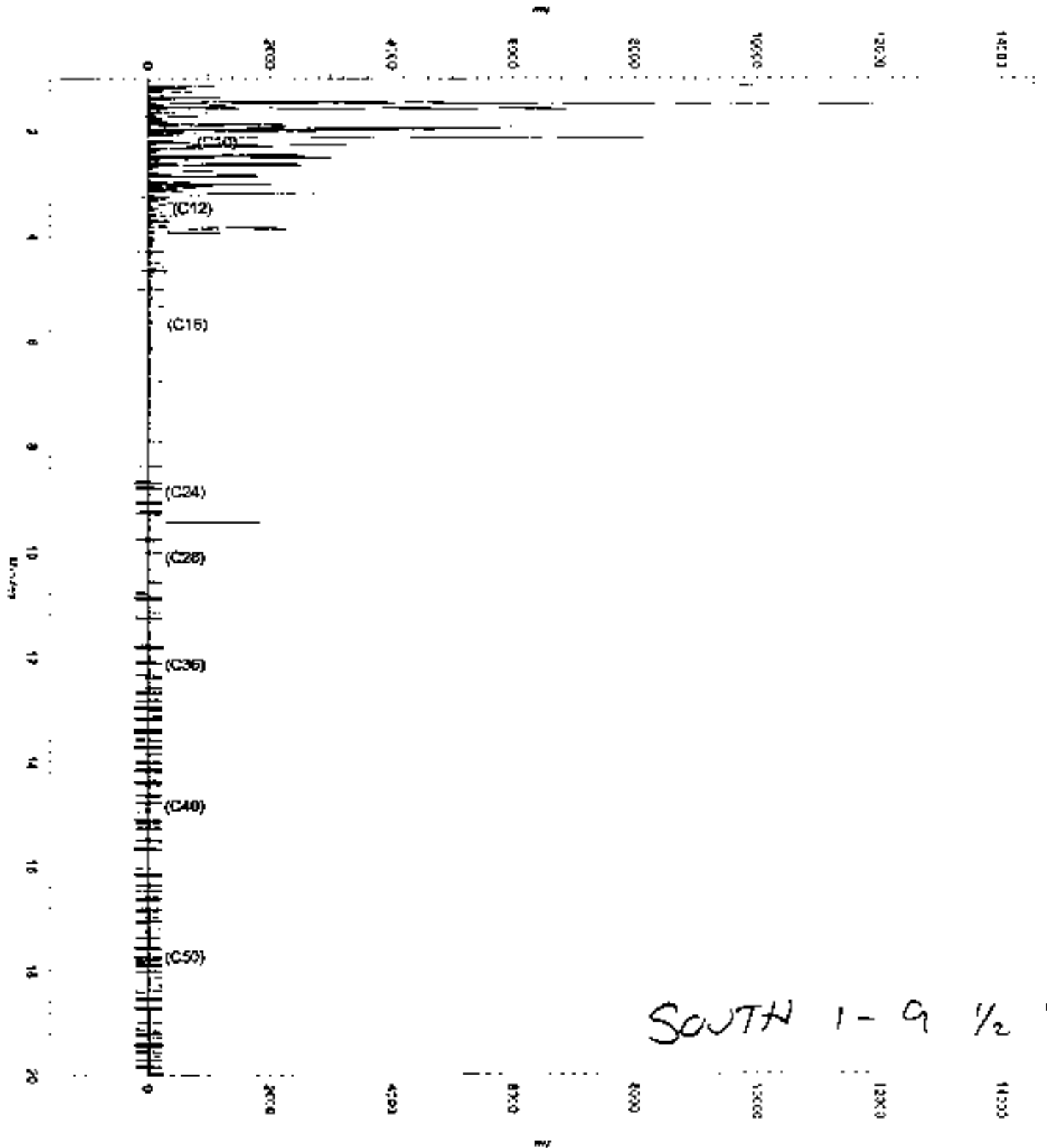
Sample Name: 140212-002_104339
Data File: Y:\msd\drive\ezchrom\Projects\GC17A\Data\011a035
Sequence File: Y:\msd\drive\ezchrom\Projects\GC17A\Sequence\011.seq
Software Version: 3.17
Method Name: 'L:\msd\drive\ezchrom\Projects\GC17A\Method\am009.mxd'
Run Date: 3/12/2006 2:35:04 PM
Analysis Date: 1/12/2006 3:20:34 PM
Instrument: GC17A (Offline) Ver. 35 Operator: Teh J. Anahy (Ima2kardah)
Sample Amount: 1 Dilution Factor: 1 POF: 1



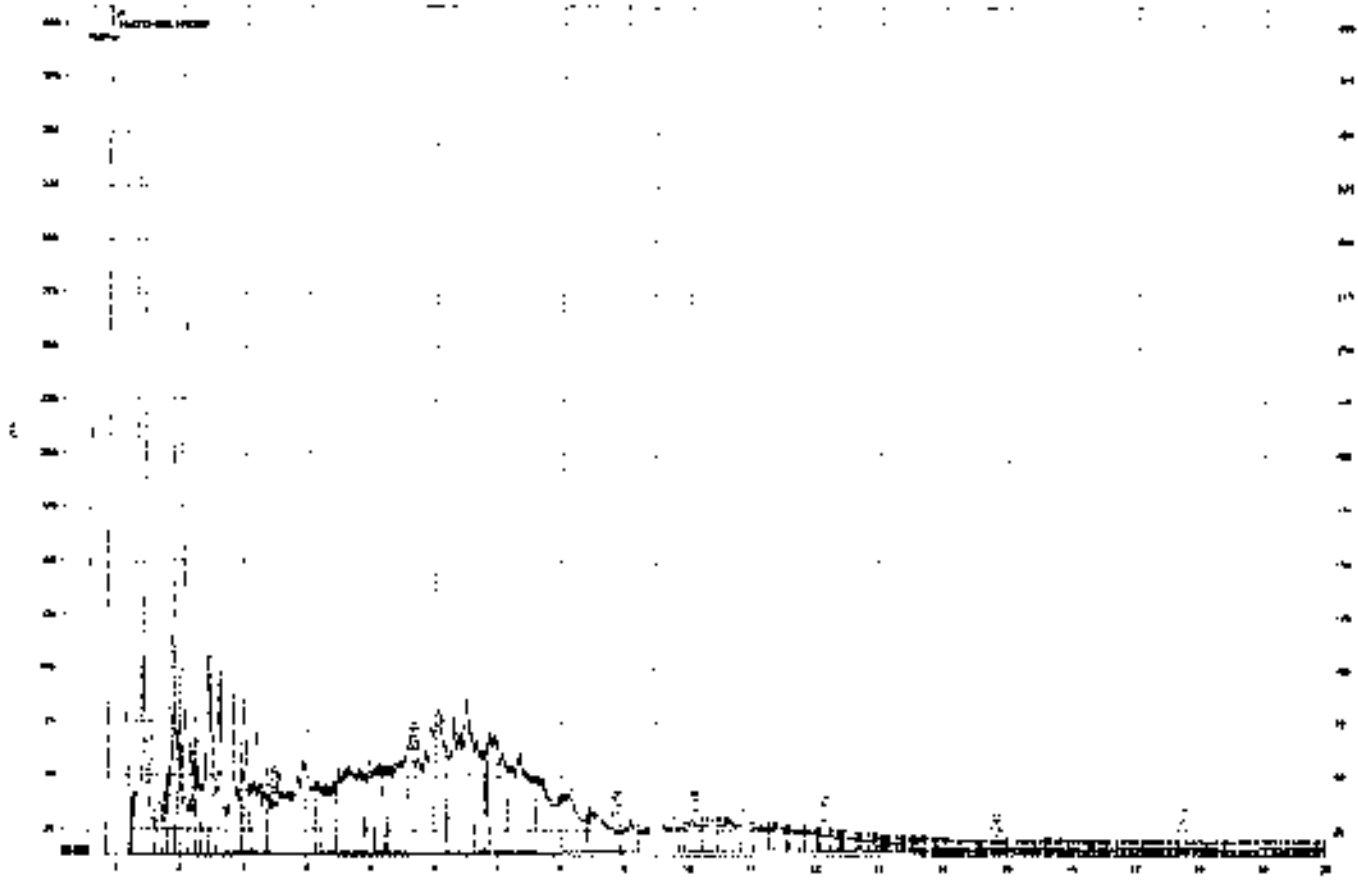
Sample Name: 134212-003,109359.10x
Data File: Y:\Lims\gdv\ezchrom\Projects\GC11A\Data\012a008
Sequence File: Y:\Lims\gdv\ezchrom\Projects\GC11A\Sequence\012.aeq
Software Version: 3.1.7
Method Name: Y:\Lims\gdv\ezchrom\Projects\GC11A\Method\atoh011.mcr
Run Date: 1/12/2006 1:40:36 PM
Analysis Date: 1/12/2006 2:16:23 PM
Instrument: GC11A (Offline) Val: 8 Operator: Teh 1 Analyst: jimsz@eth1
Sample Amount: 1



Sample Name: 184712-004, 109259
Data File: \\Lims\gpr\wlezchrom\Projects\GC17A\Data\011\036
Sequence File: \\Lims\gpr\wlezchrom\Projects\GC17A\Sequence\011.seq
Software Version: 3.1.7
Method Name: \\Lims\gpr\wlezchrom\Projects\GC17A\Method\wkh009.met
Run Date: 1/12/2006 2:00:01 PM
Analysis Date: 1/12/2006 3:31:37 PM
Instrument: GC17A (Offline) Val: 95 Operator: Teh S. Analyst: (ime2k3mah3)
Sample Amount: 1 Dilution Factor: 1 PDF: 1



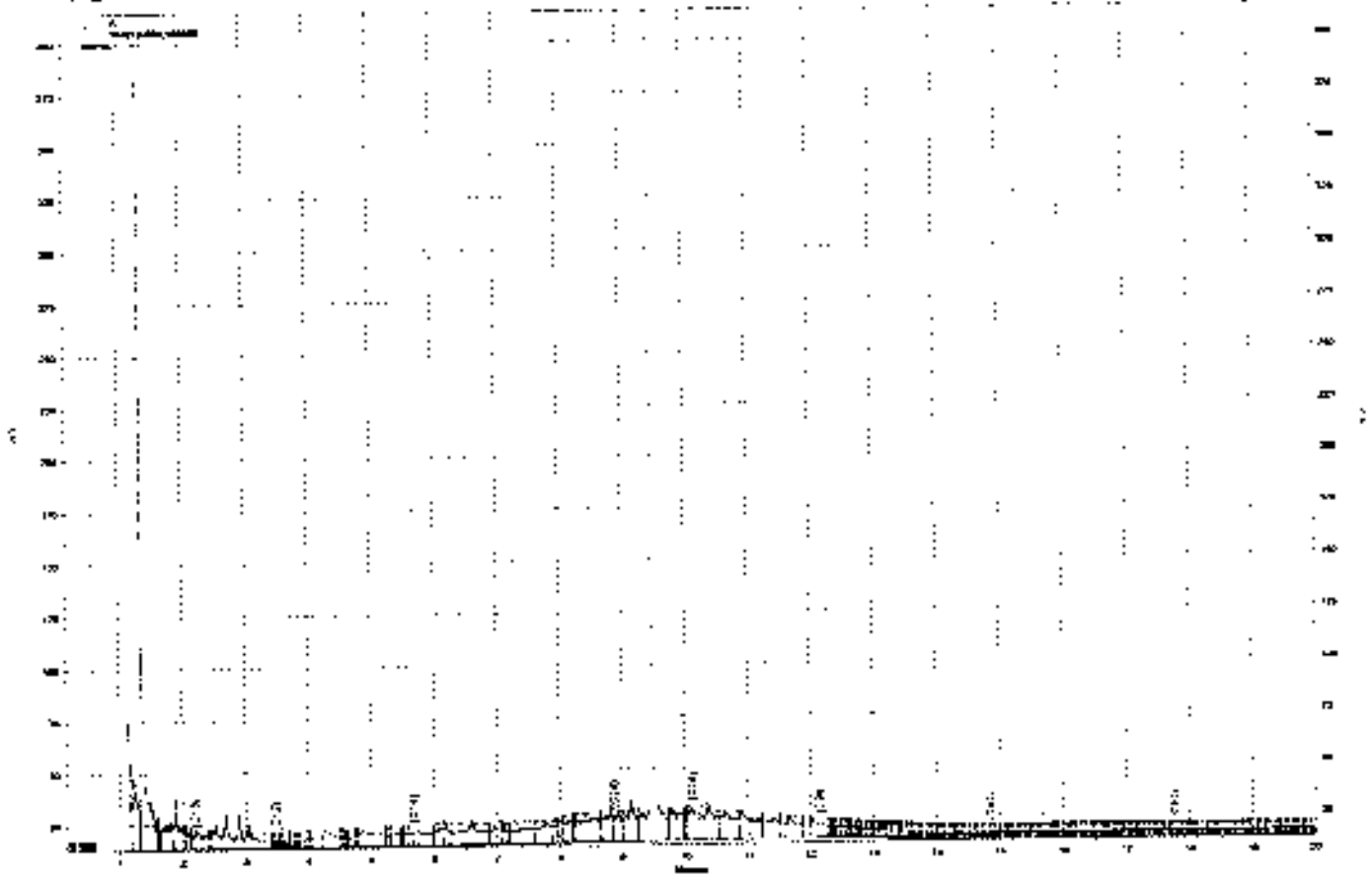
184212 005, 109359



\\Amstgdmv\ezchrom1\Projects\GC17A\Data\011a037.A

WEST 1-7 1/2

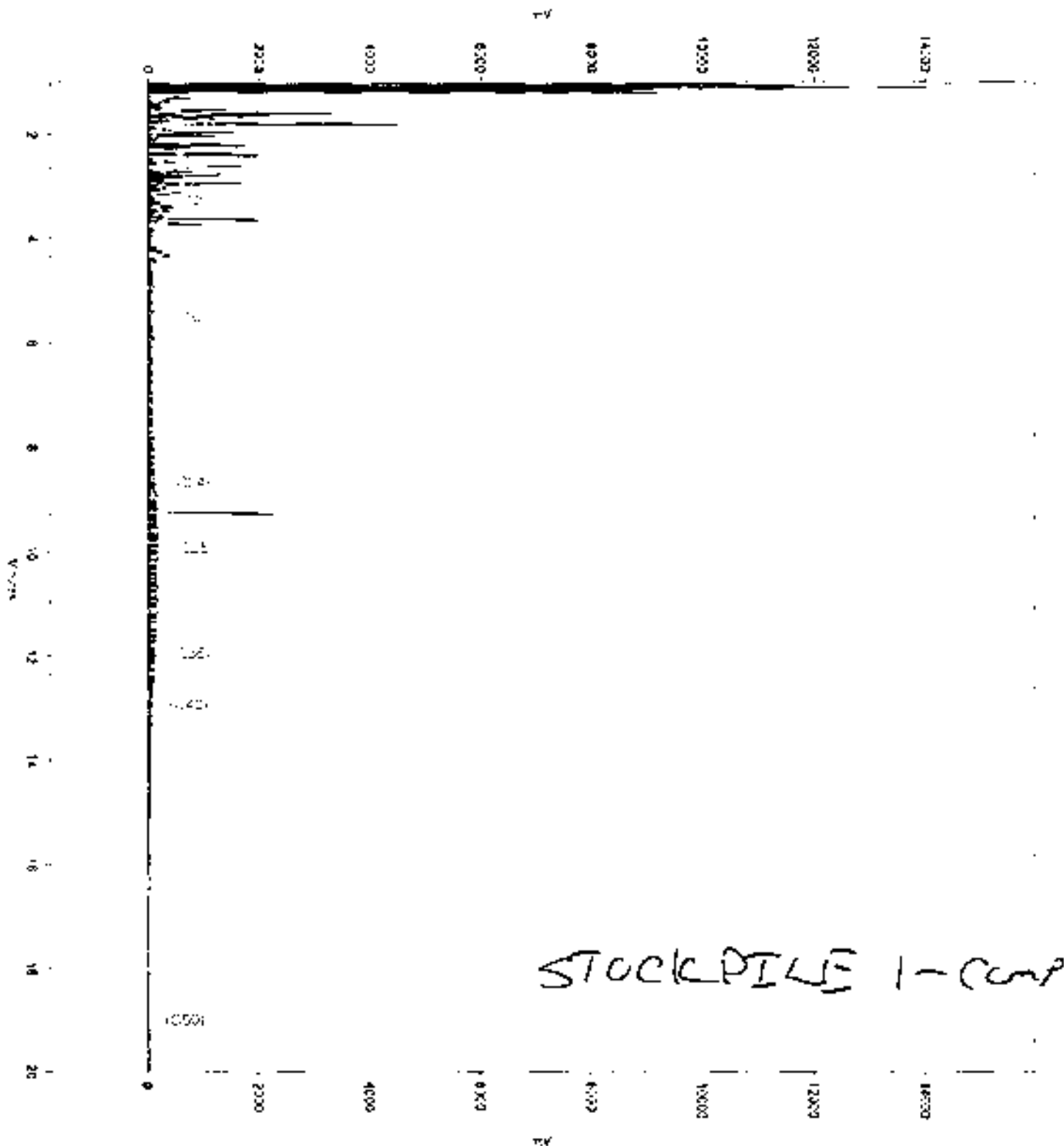
84212.008, 109359



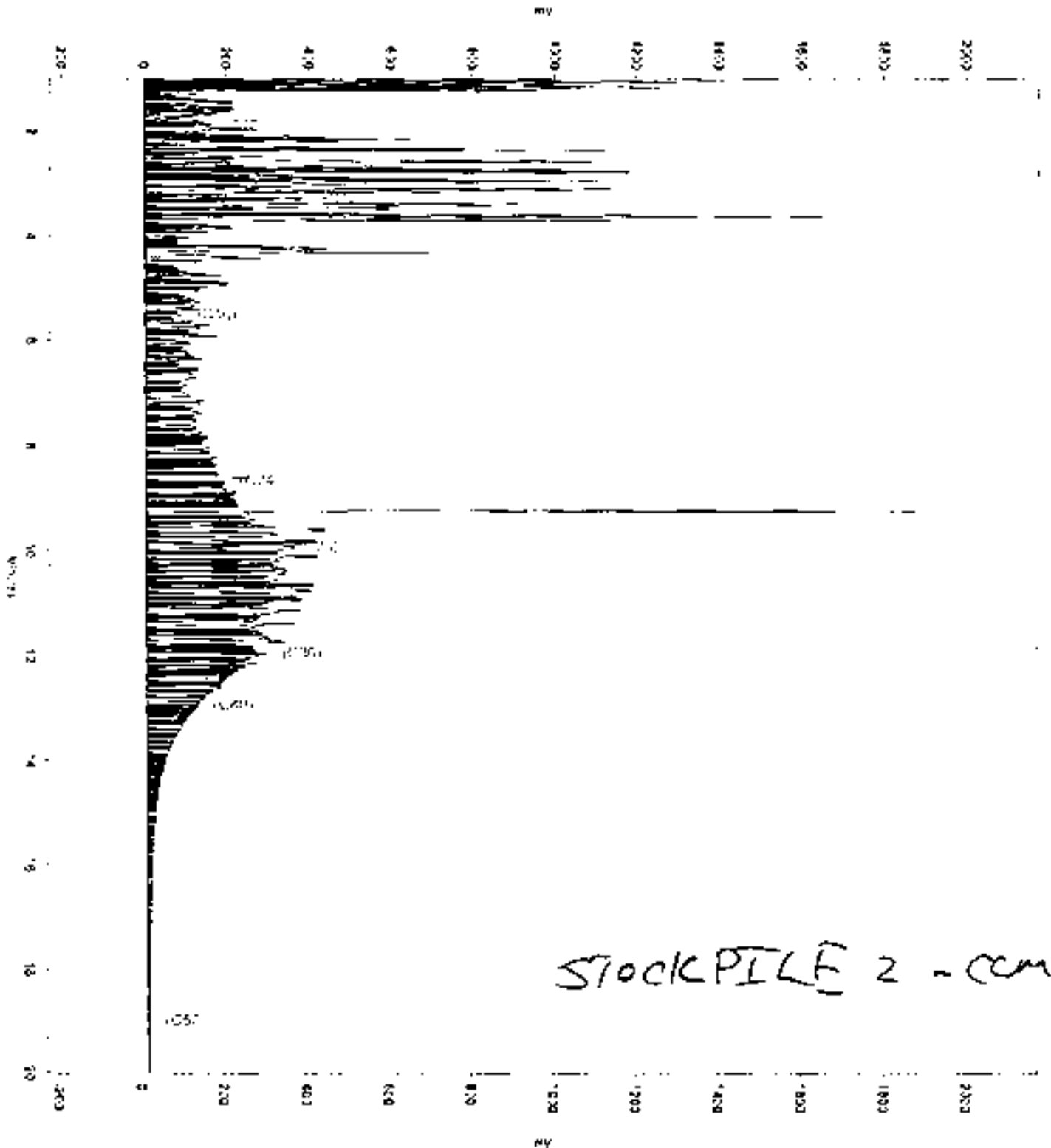
\\Lims\drive\ezchrom\Projects\GC17A\Data\011a035_A

NORTH 1-7 1/2'

Sample Name: 184212-007_109356
Data File: U:\msd\gen\msd4\chrom\Projects\GC11A\060811\014
Sequence File: U:\msd\gen\msd4\chrom\Projects\GC11A\Sequence\011.seq
Software Version: 3.17
Method Name: U:\msd\gen\msd4\chrom\Projects\GC11A\Method\011.mol
Run Date: 1/11/2006 5:13:18 PM
Analysis Date: 1/22/2006 8:09:49 AM
Instrument: GC11A, Vial: 14, Operator: Tom, Analyst: (msd2\ksten1)
Sample Amount: 1



Sample Name: 384212-000Bag, 109382
Data File: \\Lamson\env\chrom\Projects\GC11A\Data\01110922
Sequence File: \\Lamson\env\chrom\Projects\GC11A\Sequence\01110922
Software Version: 3.1.7
Method Name: \\Lamson\env\chrom\Projects\GC11A\Method\ich0111.mol
Run Date: 1/11/2008 8:57:53 PM
Analysis Date: 1/12/2008 8:11:48 AM
Instrument: GC11A, Val 22, Operator: Tex 1, Analyst: (msj\384212)
Sample Amount: 1



Sample Name: 184212-009,109132
Data File: TLims\gdw\exchrom\Projects\GC15B\Data\0100077
Sequence File: TLims\gdw\exchrom\Projects\GC15B\Sequence\010.seq
Software Version: 3.1.7
Method Name: GLims\gdw\exchrom\Projects\GC15B\Method\02005.met
Run Date: 1/11/2008 10:49:04 PM
Analysis Date: 1/12/2008 9:50:31 AM
Instrument: GC15B (Offline) Vial: 77 Operator: Teh Z. analyst (lms2k3@h2)
Sample Amount: 1

