

February 21, 2008 Project 11037.001 RECEIVED

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Alameda County Environmental Health

Ms. Donna Drogos Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502-6577

Subject: Former Shell Automotive Service Station 2301 - 2307 Lincoln Avenue Alameda, California

Dear Ms. Drogos:

Geomatrix Consultants, Inc. (Geomatrix), has prepared this letter and the attached report (Attachment A) on behalf of our client, Mr. Allan Sebanc. Based on the findings summarized in our report, Geomatrix recommends further investigation at the site. In the attached Statement of Environmental Responsibility, dated February 7, 2008, Shell assumes responsibility for cleanup attributable to Shell's historical operations (Attachment B).

#### SITE HISTORY

According to Shell's consultant, the site was operated as an automotive service station from 1926 until 1982<sup>1</sup>. Alameda Fire Department (AFD) records (Attachment E) indicate that underground storage tanks (USTs) were installed at a Shell Oil Station at the site in 1958, then additional tanks were installed by Shell Oil Company in 1970. Shell owned the site from 1979 until 1982 according to Shell's consultant. The USTs installed by Shell in 1970 were removed in 1982, when Shell owned the property. The site was redeveloped into a retail center in 1982.

The site has been used as a retail center from 1982 until present day. Mr. Sebanc has never owned or operated any USTs at the site.

#### AUGUST 2007 SOIL AND GROUNDWATER SAMPLING

As summarized in the attached report, Geomatrix collected samples from a UST system location that was used at the site from at least 1959 until 1982. Based on Geomatrix's August 2007 soil and groundwater data and the site history described in our report, petroleum hydrocarbons detected in soil and groundwater samples from borings EB-1 through EB-3, EB 5 and EB-6 likely are the result of onsite UST operation.

Because a number of detected petroleum hydrocarbon and lead concentrations exceed applicable Environmental Screening Levels<sup>2</sup>, as stated in the attached December 7, 2007 report, Geomatrix recommends further investigation to evaluate the extent of impacts and the potential for the detected chemicals to pose an unacceptable risk to human health or the environment.

<sup>1.</sup> Ibid.

<sup>2</sup> California Regional Water Quality Control Board, San Francisco Bay Region (Regional Water Board), 2007, Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, Interim Final, November.



Ms. Donna Drogos February 21, 2008 Page 2

We appreciate your attention to this matter. Please contact either of the undersigned at 510-663-4100 if you have further questions or require additional information.

Sincerely, GEOMATRIX CONSULTANTS, INC.

Make Torrens Project Scientist

Robert W. L.

Robert W. Schultz, PG #7@12, CAG #833 Senior Geologist

jlt/rws/kwg

Attachments: Attachment A - Subsurface Investigation Summary Report (December 7, 2007), prepared by Geomatrix
Attachment B - Shell's "Statement of Environmental Responsibility" (February 7, 2008)
Attachment C - Limited Phase II Environmental Site Investigation (August 12, 1999) prepared by Basics Environmental
Attachment D - Site Assessment Report (May 1, 2000) prepared by Toxichem
Attachment E - Alameda Fire Department Underground Storage Tank Records

cc: Mr. Denis Brown, Shell Oil Products US Mr. Gary Foote, Geomatrix Mr. Allen Sebanc, Property Owner



# ATTACHMENT A

# **Subsurface Investigation Summary Report** (December 18, 2007), Prepared by Geomatrix

## **Subsurface Investigation Summary Report**

2301-2307 Lincoln Avenue Alameda, California

Prepared for:

Allan Sebanc 2805 Ralston Avenue Hillsborough, California 94010-6547

Prepared by:

**Geomatrix Consultants, Inc.** 2101 Webster Street, 12th Floor Oakland, California 94612

December 2007

Project No. 11037.001



# Subsurface Investigation Summary Report

2301-2307 Lincoln Avenue Alameda, California

Prepared for:

Allan Sebanc 2805 Ralston Avenue Hillsborough, California 94010-6547

December 2007

Project No. 11037.001





#### SUBSURFACE INVESTIGATION SUMMARY REPORT 2301-2307 Lincoln Avenue Alameda, California

18 December 2007 Project 11037.001

This report was prepared by the professional staff of Geomatrix Consultants, Inc., under the supervision of the Senior Geologist whose seal and signature appears herein. The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.

Avery Patton Staff Geologist

Make Torrens Project Scientist

let W.

Robert W. Schultz, CHG(#833) Senior Geologist



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## SUBSURFACE INVESTIGATION SUMMARY REPORT 2301-2307 Lincoln Avenue

Alameda, California

### **1.0 INTRODUCTION**

This report presents the results of a subsurface investigation consisting of soil and groundwater sampling and monitoring well installation activities, completed in August 2007 at the 2301-2307 Lincoln Avenue property in Alameda, California (the Site, Figure 1). Geomatrix Consultants, Inc. (Geomatrix) performed this investigation on behalf of Allan Sebanc to evaluate potential impacts from former USTs previously operated at the Site.

#### 1.1 PURPOSE

The objectives of this subsurface investigation were to: 1) investigate petroleum hydrocarbons and related constituents in soil and groundwater beneath an area of the site previously occupied by an underground storage tank (UST) system that operated between the 1920s and 1970s (the western tank area); and 2) perform an initial assessment of an area of the site previously occupied by a UST system that operated between the 1970s and 1984 (the eastern tank area).

#### **1.2** SCOPE OF WORK

The subsurface investigation and monitoring well installation and sampling was completed between August 15 and 24, 2007 and was conducted in accordance with the March 14, 2007 *Revised Workplan and Cost Estimate for Additional Soil and Groundwater Investigation, Former UST Area Assessment and Geophysical Surveys (Work Plan*; Geomatrix, 2007). The scope of work included the following:

- Review of historical reports and plans associated with the Site;
- Collection of soil and grab groundwater samples at the Site;
- Installation of three monitoring wells;
- Gauging and sampling of the new monitoring wells; and
- Comparison of all analytical data to applicable screening criteria.



#### 2.0 BACKGROUND INFORMATION

The following sections discuss regional and site geology and provide a description of historical investigations performed at the Site.

#### 2.1 SITE DESCRIPTION

The Site (Figure 2) consists of a parcel approximately 150 feet long by 140 feet wide. A 7-11 store, a dry cleaners (with no on-site dry-cleaning operations), and a laundromat are located within the building that occupies the northern portion of the Site. The remainder of the Site consists of an asphalt-paved parking lot and landscaped areas.

#### 2.2 **REGIONAL AND SITE GEOLOGY AND HYDROGEOLOGY**

The Site, on the island of Alameda, is located approximately 0.5 mile west of the alluvial plain that lies between the East Bay Hills to the east and the San Francisco Bay to the west. Streams that drained the hills throughout the recent geologic past have meandered across the plain, forming the alluvial plains. Sand and gravel was deposited on the slopes and near the base of the hills while finer-grained materials were deposited westward to San Francisco Bay (Helley et al., 1979).

The island of Alameda is composed of dune sands in the central and eastern portions (the original island), and artificial fill to the west and at the southern perimeter (expanding the island in the mid-1900s). The Site is located within the footprint of the original island and subsurface deposits consist of fine to medium sands up to 60 feet thick (Figuers, 1998). These sands likely were deposited during the late Pleistocene to early Holocene drop then rise in sea level, during which large volumes of fluvial and glacially derived sediment were blown into dunes (Knudsen et al., 1997).

The present day elevation at the Site is approximately 28 to 30 feet above mean sea level. Depth to groundwater has been reported between approximately 6 and 10 feet below ground surface in shallow monitoring wells installed at neighboring properties within one-eighth mile to the south and east of the Site. Groundwater flow direction at these properties appear to vary, flowing to the northeast, east, southeast, and south. The regional groundwater flow is assumed to be to the east or northeast toward the Oakland Estuary.



#### 2.3 UST HISTORY

Geomatrix reviewed previous investigation documents (Basics, 1999 and Toxichem, 2000), and procured Sanborn Fire Insurance maps, aerial photographs of the Site, and a 1982 County of Alameda plan for the Site prepared by Michael J. Majors Civil Engineering, Inc. (Majors), to determine the Site's history. The Sanborn Fire Insurance maps, aerial photographs and Majors site plan are included in Appendix A. These documents indicate that the Site formerly operated as a fueling station from the 1920s to 1982, during which time two generations of Site buildings and USTs (identified herein as the western and eastern USTs) were present.

The western tanks were installed in the 1920s, and were associated with a fueling station that operated on the southwestern portion of the Site (herein referred to as the western tank area). From this time until sometime between 1950 and 1965, the eastern and northern portions of the Site were occupied by buildings that do not appear related to the fueling station.

Aerial photos and the Majors site plan show that some time between 1950 and 1965, the original fueling station in the southwestern corner of the Site was demolished and another fueling station was constructed, which occupied the entire Site. Toxichem Management Systems, Inc. (Toxichem) indicated that the western USTs were replaced in 1970; however, the structures shown on the 1982 Majors plan (depicting the second generation fueling station at the Site) are visible in a 1965 aerial photograph (Toxichem, 2000). The tanks in the eastern portion of the Site, and the associated pump islands in the center of the Site, are collectively referred to herein as the eastern tank area. The eastern USTs (one 8,000-gallon, two 2,000-gallon, and one 1,000-gallon) were removed in June 1982, when the Site was redeveloped into a retail center, as it exists currently.

Previous investigations and associated reports appear to have been focused on the western tank area, and did not identify the eastern tank area shown on the Majors 1982 site plan.

#### 2.4 **PREVIOUS INVESTIGATIONS**

A Phase II investigation was performed at the Site in 1999 by Basics Environmental (Basics, 1999) in the vicinity of the western tank area. In July 1999, Basics Environmental detected petroleum constituents in soil and groundwater samples collected from the Site (Basics, 1999). Basics' sample locations are shown on Figure 2.



Toxichem performed a Phase I site assessment for the Site in 2000. Toxichem stated in their May 1, 2000 report that the petroleum constituents detected by Basics originated from an off site source.

While two sets of USTs reportedly have been removed from the Site, no post-tank-removal soil analytical data appear to have been collected.

### 3.0 FIELD INVESTIGATION

Geomatrix conducted a subsurface investigation at the Site between August 15 and 24, 2007. The work included: 1) soil sampling in the western and eastern tank areas, 2) grab groundwater sampling in the eastern tank area, 3) attempting to drill a borehole in the location of the former oil sump, and 4) well installation, well development, and groundwater gauging and sampling.

#### **3.1 PREPARATORY ACTIVITIES**

Prior to initiating any subsurface field activities at the Site, Geomatrix performed the following: 1) marked each boring location and the site boundaries and notified Underground Services Alert (Ticket #2994969), a regional subsurface utility notification service, at least two business days in advance of work, in accordance with California law; 2) acquired the necessary drilling permits from Alameda County Public Works Agency (ACPWA) (Well Permit numbers W2007-0884 to W2007-0887; Appendix A); 3) prepared a site-specific health and safety plan; and 4) coordinated with the client for Site access.

#### 3.2 SOIL SAMPLING

This section describes soil sampling activities for the western and eastern tank areas. Geomatrix advanced:

- Six borings to a total depth of 13 to 18 feet below ground surface (bgs) (borings EB-1 through EB-6) to assess the potential for a release to have occurred in the area of the former eastern UST pit;
- Three borings to a total depth of 13 to 18 feet bgs to further evaluate soil in the area of the western tank area and to install monitoring wells MW-1 through MW-3; and



• Four borings to a total depth of 2 to 3 feet bgs (borings EB-8 through EB-11) to assess the potential for a release to have occurred in the area of the former eastern fueling dispensers.

In addition, Geomatrix attempted to advance a soil boring inside the current site building in the location of a former oil sump; however, the area was not accessible due to tenant operations. A total of 23 soil samples were collected for laboratory analysis from the 12 soil borings at depths ranging from 2 to 14.5 feet bgs. Sampling depths are presented on the boring logs in Appendix B.

Geomatrix collected soil samples for chemical analysis from borings advanced in the western tank area (MW-1, MW-2, and MW-3) based on visual observations and photo ionization detector (PID) readings of the soil core; the objective was to vertically delineate the extent of petroleum impacts in the soil core, if any were observed. If no obvious impacts were present, a soil sample was collected at the soil-groundwater interface. At a minimum, two soil samples were collected from each boring advanced in the eastern tank area: one at the soil groundwater interface and one at the base of the former tank pit, as determined in the field. Additional soil samples were collected if visual and/or PID readings indicated petroleum impacted soils within the soil cores. Geomatrix collected no soil samples from boring MW-3 because the encountered lithology resulted in inadequate recovery.

Vironex, Inc., of Pacheco, California, a California-licensed drilling contractor, advanced the borings using a hydraulically powered Geoprobe 6600 direct-push drill rig, under the oversight of a California-registered geologist. All borings initially were advanced to a shallow depth using a hand auger (approximately 3 to 5 feet bgs). Borings MW-1 through MW-3 and EB-1 through EB-6 were advanced further using a dual-tube, direct-push sampling system (Geoprobe DT21 or Geoprobe DT22). This drilling technology utilizes an outer drive casing to maintain borehole stability and limit the potential for cross-contamination of soil and grab groundwater samples. Continuous soil cores were collected with the dual-tube direct-push technology sampling system's inner sample barrel as it was simultaneously driven with the outer drive casing.

A lithologic description of each boring was recorded on a boring log using the visual-manual procedures of American Society of Testing and Materials Standard D2488-00, based on the Unified Soil Classification System, for guidance. The description includes the soil type, grain sizes and estimated percentages of each, moisture content, color according to the Munsell color



charts (Kollmorgen Instruments Corp.), plasticity for fine-grained materials, consistency, and other pertinent information. Recovered soil was screened for the presence of organic vapors using a photo-ion detector (PID).

Soil samples collected for volatile chemicals were preserved in the field using United States Environmental Protection Agency (U.S. EPA) Method 5035, using appropriate laboratorysupplied sampling equipment and containers. All soil samples for non-volatile analysis were collected in new, clean butyrate liners. Immediately following sample collection, the ends of the liner containing the sample were sealed using Teflon<sup>®</sup> sheeting, plastic end caps, and silicone tape. Each soil sample was labeled, sealed in a plastic bag, and placed in an ice-cooled chest prior to delivery to the analytical laboratory under Geomatrix chain-of-custody procedures.

#### 3.3 GRAB GROUNDWATER SAMPLING

Two grab groundwater samples were collected for chemical analysis from temporary borings in the eastern tank area (EB-1 and EB-4; Figure 2). To allow for collection of a depth-discrete grab groundwater sample, each boring was advanced 4 to 5 feet below the depth at which the water table was first observed in the soil core to allow for sufficient groundwater to enter the boring. Temporary 1-inch-diameter polyvinyl chloride (PVC) casing (1-inch OD Sch. 40 PVC) with 5 feet of 0.010-inch factory-slotted screen was placed inside each borehole; temporary wells were screened from 10 to 15 feet bgs. The drive casing then was retracted from the bottom of the boring to 10 feet bgs to allow groundwater to infiltrate the PVC casing using new, clean, polyethylene tubing fitted with a pre-cleaned check valve. Groundwater was decanted directly into sample bottles provided by the analytical laboratory. Sample bottles were labeled, sealed in plastic bags, and stored in an ice-cooled chest prior to delivery to the analytical laboratory under Geomatrix chain-of-custody procedures.

Following completion of sample collection, boreholes were backfilled with Type I-II neat cement grout from total depth to ground surface using a tremie pipe, in accordance with ACPWA requirements. Borings were completed at ground surface with concrete patch to match surrounding materials.

#### 3.4 MONITORING WELL INSTALLATION

After three borings (MW-1 through MW-3) were advanced to the total desired depth (approximately 13 feet bgs), monitoring wells were installed and constructed inside the



boreholes in accordance with ACPWA permit requirements. The wells were constructed using a 1-inch-diameter temporary PVC blank casing fitted to a GeoInsight<sup>TM</sup> pre-pack well screen. Each well screen consists of a 5-foot-long, 0.01-inch-slot-size well screen inside of an approximately 3-inch-diameter stainless steel screen filled with filter pack sand. The pre-pack well screen and blank PVC were placed in the borehole inside the outer drive casing. To fill in the annular space around the pre-pack well screen, additional #2/16 filter pack sand was added outside the pre-pack well screen, as necessary, through the drive casing. An approximately 1.5- to 3.5-foot-thick transition seal of hydrated bentonite pellets was added through the drive casing, hydrated in six-inch lifts. Neat cement grout was added with a tremie pipe from the top of the transition seal to the ground surface. A flush-mounted traffic-rated well box was installed at the ground surface. Monitoring well installation details were recorded on well construction logs, which are presented in Appendix B.

### 3.5 MONITORING WELL DEVELOPMENT

Monitoring wells (MW-1, MW-2, and MW-3) were developed at least 72 hours after installation using a peristaltic pump with new down-hole polyethylene tubing. Wells were purged using a flow rate of 0.5 gallons per minute or less. Water quality parameters (i.e., pH, temperature, and specific conductance) were measured with a YSI 556 MPS water quality probe that was attached to a flow-through cell. Turbidity was measured with a LeiMotte 2008 turbidity meter. Where possible, each well was purged until at least four casing volumes were removed, and until water quality parameters stabilized to within 10 percent of previous readings.

Kister, Savio & Rei, Inc., of Richmond, California, a California-licensed surveyor, surveyed each monitoring well for both elevation and horizontal positions in a format compatible with the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker).

Purge water was containerized in a labeled 55-gallon drum also containing decontamination water generated during drilling and sampling activities.

#### 3.6 MONITORING WELL SAMPLING

Water levels were recorded and groundwater samples were collected from the three monitoring wells (designated MW-1 through MW-3) at least 72 hours after development. Prior to sample collection, each well was purged using a peristaltic pump and dedicated down-hole polyethylene tubing was placed in the middle of the well screen (eg. 12.5 feet bgs) in



accordance with low-flow micro purge sampling protocols (Puls & Barcelona, 1996). Wells were purged at a low-flow rate

(between 200 to 500 milliliters/minute) until water quality parameters (i.e., pH, temperature, specific conductance, and turbidity) stabilized to within 10 percent of previous readings. Purge water was containerized in a labeled 55-gallon drum. Water quality parameters were measured intermittently during purging and immediately prior to sampling using an YSI 556 MPS water quality meter. Measured water quality parameters and turbidity observations were recorded on field data sheets, which are presented in Appendix C.

Following purging, groundwater samples were collected in laboratory-supplied sample containers directly from the discharge tubing connected to the pump. All samples were placed in an ice-chilled chest prior to delivery to the analytical laboratory under chain-of-custody procedures.

#### 3.7 INVESTIGATION-DERIVED WASTE

As mentioned above, investigation derived waste (IDW) generated as part of this investigation (i.e., soil cuttings, purge water, equipment wash water) was containerized according to media (i.e., soil, water) in separate 55-gallon steel drums. Each IDW drum was labeled and temporarily stored at the Site pending analysis and proper disposal.

#### 4.0 LABORATORY ANALYSIS AND REVIEW

All collected soil and groundwater samples were analyzed by Curtis & Tompkins, Ltd., of Berkeley, California, a California Department of Public Health-certified analytical laboratory for the following constituents (unless otherwise noted below):

- Total petroleum hydrocarbons quantified as gasoline (TPHg) using U.S. EPA Method 8015 modified.
- Selected volatile organic compounds (VOCs) using U.S. EPA Method 8260b. Specific VOCs included benzene, toluene, ethylbenzene, and total xylenes (BTEX, collectively); methyl tert-butyl ethene (MTBE); four fuel oxygenates [tert-amyl methyl ether (TAME), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-butyl alcohol (TBA)]; and two fuel additives [1,2-dibromo ethane (EDB) and 1,2-dichloroethane (1,2-DCA)].
- Soil samples collected from the eastern tank area (EB-1 through EB-6) and the associated former pump islands (EB-8 through EB-11) were analyzed for lead using U.S. EPA Method 6010.



Laboratory analytical reports and chain-of-custody documentation are presented in Appendix D.

Geomatrix performed a laboratory data quality review following the U.S. EPA National Functional Guidelines for Organic Data Review (U.S. EPA, 1999) and the U.S. EPA National Functional Guidelines for Inorganic Data Review (U.S. EPA, 2002; National Functional Guidelines). This review included an evaluation of laboratory quality assurance and quality control (QA/QC) procedures, such as method blank analyses, surrogate recoveries, and laboratory control spikes and duplicate spikes. A summary of the quality review is provided below.

Surrogates used in the TPHg analysis were detected above the control limits in samples MW-1-8.5, MW-1-12.0, MW-2-10.5, EB-2-9.0, EB-2-13, EB-3-11.8, EB-4-6.5, EB-4-13.0, and EB-6-14.0. In accordance with the National Functional Guidelines, detected concentrations in affected samples are qualified with "J," indicating that the analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample. Surrogates used in the TPHg analysis also were detected below control limits in samples MW-1-3.0 and EB-4-10.2. Detected concentrations in affected samples are qualified with "J". Non-detected concentrations in affected samples are qualified with "UJ," indicating that the analyte was not detected above the reported sample quantitation limit, but the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. The affected data are noted in Table 1.

Two samples (EB-8-1.5 and EB-9-2.0) were analyzed several days past the recommended hold time. In accordance with the National Functional Guidelines, non-detected concentrations of VOCs were qualified with "UJ." The affected data are noted in Table 1.

The analytical laboratory made several comments in the case narrative regarding chromatographic patterns not matching the TPHg standard. The lab noted that heavier hydrocarbons contributed to the quantitation of TPHg in soil sample MW-2-10.5, and the sample exhibited a chromatographic pattern that did not resemble the standard. The concentration of TPHg reported in this sample was qualified with "J." The affected data are noted in Table 1. The lab noted that soil sample EB-11-2.0 exhibited an unknown single peak or peaks, and its chromatographic pattern also did not resemble the standard. The TPHg result in this was qualified with a U," and the detection limit was raised to the value detected in the



sample. The affected data is noted in Table 1. Finally, the lab noted that heavier and lighter hydrocarbons contributed to the quantification of the TPHg concentration in groundwater samples collected from (MW-1-082407 and MW-10-082407), and its chromatographic pattern did not resemble the standard. The TPHg concentrations in these samples have been qualified with "J."

No other data quality issues were identified as outside laboratory acceptance criteria.

#### 5.0 RESULTS

Field observations were documented during the investigation and chemical results were provided by the analytical laboratory. The field observations and a comparison of the laboratory analytical results to applicable screening values were used to evaluate the data.

#### 5.1 DRILLING OBSERVATIONS AND WELL GAUGING RESULTS

An asphaltic-concrete surface approximately 4 inches thick was present at all boring locations except at location MW-1, which was placed in a grass landscaped area. Subsurface materials observed in the borings include: aggregate base from beneath the asphaltic concrete to approximately 1 to 2 feet bgs, underlain by sand with varying amounts of silt and gravel to the total depth of each boring.

Wet soil was first observed in the soil core at depths ranging from 8.75 to 10.25 feet bgs. Water levels rose to approximately 9 to 11 feet bgs in temporary well casings within approximately 30 minutes. After the monitoring wells were developed, water levels were measured at depths ranging from 8.47 to 10.57 feet bgs. The groundwater flow direction for the Site was calculated to be to the east-northeast. Groundwater elevations are summarized in Table 1 and presented on Figure 4.

Visual and PID observations indicated that petroleum-impacted material is generally present from approximately 7.5 to 11.5 feet bgs in vicinity of MW-1 in the western tank area. No impacts were observed in soil cores collected from borings MW-2 and MW-3.

Petroleum impacts were observed in all eastern tank area borings, with the exception of EB-4. Where impacts were observed, they were first encountered at depths of 3.5 to 6.5 feet bgs and extended to a depth of approximately 11 feet bgs. No impacts were observed in soil from the shallow borings in the vicinity of the pump islands associated with the eastern tank area (i.e., borings EB-8 through EB-11).



These observations are recorded on boring logs presented in Appendix B.

#### 5.2 LABORATORY ANALYTICAL RESULTS

The analytical results for soil and grab groundwater samples are summarized in Tables 2 through 4. Figures 3 and 4 present the soil and groundwater samples analytical results. The laboratory reported the results for solid samples in wet-weight format. A summary of the results and comparison to relevant evaluation criteria is provided in the following sections.

#### 5.3 COMPARISON OF RESULTS TO ENVIRONMENTAL SCREENING LEVELS

To assess whether any of the chemicals detected in samples collected at the Site are present at concentrations of potential concern, Geomatrix compared the analytical results to environmental and health-based risk criteria, as discussed below. The objective of this comparison was to perform a preliminary screening of the risk to human health and the environment posed by the detected concentrations of petroleum hydrocarbons and lead. As described in this report, the extent of the detected chemicals in the subsurface has not been fully defined. Further, under the existing land use controls, it is conceivable that site use could change in the future. The comparison below is solely intended to evaluate the presently available data in the context of the current site use.

#### 5.3.1 Description of Water Board Environmental Screening Levels

The San Francisco Bay Regional Water Quality Control Board (Water Board) Environmental Screening Levels (ESLs) are conservative screening levels that correspond to an acceptable risk level and reflect varying combinations of site characteristics including both residential and industrial land uses. In addition, the ESLs address different potential exposure pathways including direct human exposure (e.g., soil ingestion, dermal contact, inhalation of volatiles or particulates in ambient air), indoor air exposure, migration of chemicals in groundwater to surface water, leaching of chemicals in soil to groundwater, exposure by terrestrial ecological receptors in urban areas, and nuisance concerns (e.g., odors and taste). The lowest of the pathway-specific screening levels is selected as the ESL, ensuring that all pathways are adequately protected. Thus, the ESLs are designed to be protective of human health and ecological receptors. Concentrations of chemicals detected below corresponding ESLs can be assumed to not pose a significant threat to human health and the environment. Conversely, an exceedance of the corresponding ESL does not necessarily indicate that adverse health effects will occur but suggests that additional evaluation of the potential risks is warranted.



#### 5.3.2 Exposure Pathways and Site Use

The Water Board has determined ESLs for various exposure pathways. Based on current site use, specific ESLs were chosen for comparison to soil and groundwater data, and are discussed below.

*Soil:* Chemical concentrations in soil samples from the Site were compared with shallow soil ESLs (less than 3 meters bgs) for commercial/industrial sites, where potentially impacted groundwater is not a current or potential drinking water resource (Table B-2; Water Board, 2003). Non-drinking water ESLs were chosen because the current site use does not include the use of groundwater as a drinking water source. Furthermore, the chemicals detected in groundwater at the Site (i.e., TPHg, BTEX) are known to naturally attenuate and, in many situations, do not migrate significantly from their source (Rice et. al, 1995). As stated above, selection on non-drinking water ESLs reflects current site use only. The Water Board considers groundwater at the Site a potential municipal supply.

*Groundwater:* Chemical concentrations in groundwater samples from the Site were compared with two ESLs: 1) for evaluation of potential vapor intrusion concerns at commercial/industrial sites (Table E1-a; Water Board, 2003); and 2) for gross/ceiling contamination concerns assuming groundwater is not a current or potential drinking water resource (Table F1-b; Water Board, 2003). The Water Board considers groundwater at the Site a potential municipal supply; Geomatrix chose this ESL because our objective is to evaluate risk under the current site use. ESLs for the evaluation of potential vapor intrusion concerns were chosen because several businesses are in operation at the Site. While groundwater analytical data do not indicate that chemicals are migrating beneath Site buildings, comparing data to vapor intrusion ESLs is a conservative approach. The justification for using ESLs for which groundwater is not a drinking water source is discussed above, in Section 4.3.2.1.

#### 5.3.3 Comparison of Soil Analytical Results to ESLs

A total of 23 soil samples were analyzed from 12 soil borings (MW-1, MW-2, EB-1 through EB-6, EB-8 through EB-11) from sample depths between 2 and 14.5 feet bgs. Results and sampling depths are summarized in Tables 1 and 2 and on Figure 3. The results for the western and eastern tank areas are summarized separately below.

Western Tank Area. Soil samples were collected from borings MW-1 and MW-2. No soil was retained for analysis from boring MW-3 due to poor recovery of soil while advancing the direct-push technology rods. TPHg was detected at concentrations ranging from 2.4 to 1,600



milligrams per kilogram (mg/kg). The commercial ESL for TPHg (100 mg/kg) was exceeded in only one sample: MW-1-8.5 (1,600 mg/kg).

No other chemicals were detected in samples collected from locations MW-1 or MW-2.

Eastern Tank and Pump Islands Area. Soil samples were collected from borings EB-1 through EB-6 (eastern tank area) and EB-8 through EB-11 (pump islands associated with the eastern tank area). TPHg, benzene, ethylbenzene, xylenes and lead were detected at concentrations ranging from 2.4 to 470 mg/kg, 0.44 to 0.99 mg/kg, 1.8 to 100 mg/kg, 1.0 to 1.1 mg/kg, and 1.2 to 550 mg/kg, respectively. These chemicals were detected at depths of 9 to 10.5 feet.

- The commercial ESL for TPHg (100 mg/kg) was exceeded in only one sample: EB-1-10.5 (470 mg/kg).
- The commercial ESL for benzene (0.120 mg/kg) was exceeded in two soil samples: EB-2-9.0 (0.44 mg/kg) and EB-3-9.0 (0.99 mg/kg).
- The commercial ESL for ethylbenzene (33 mg/kg) was exceeded in only one sample: EB-1-10.5 (100 mg/kg).
- The commercial ESL for lead (260 mg/kg) was exceeded in only one sample: EB-10-2.0 (550 mg/kg).

No other detected concentrations exceeded their corresponding commercial ESL.

#### 5.3.4 Comparison of Groundwater Analytical Results to ESLs

Groundwater sample results are presented in Table 3. The results for the western and eastern tank areas are summarized separately below.

Western Tank Area. Groundwater samples were collected from wells MW-1 through MW-3. TPHg, benzene, and ethylbenzene only were detected in the sample collected from MW-1. Toluene only was detected in the sample collected from MW-2. TPHg, benzene, toluene, and ethylbenzene were detected at concentrations of 4,100 micrograms per liter ( $\mu$ g/L), 3.1  $\mu$ g/L, 1.5  $\mu$ g/L, and 0.5  $\mu$ g/L, respectively. None of these concentrations exceed the commercial ESLs for groundwater. No other chemicals were detected in the western tank area samples.



Eastern Tank and Pump Islands Area. Grab groundwater samples were collected from temporary wells EB-1 and EB-4. No chemicals were detected in the sample collected from EB-4. TPHg, benzene, ethylbenzene, toluene and total xylenes were detected at concentrations of 7,000  $\mu$ g/L, 980  $\mu$ g/L, 490  $\mu$ g/L, 11  $\mu$ g/L, and 19  $\mu$ g/L, respectively. The most conservative applicable commercial ESLs (gross/ceiling)for groundwater were exceeded for TPHg (500  $\mu$ g/L), benzene (540  $\mu$ g/L), and ethylbenzene (300  $\mu$ g/L).

#### 5.4 SUMMARY OF FINDINGS

The following summary is based on the subsurface investigation results summarized in the preceding sections. This section summarizes the findings for the western and eastern tank areas separately below:

Western Tank Area:

- Visual and PID observations made during drilling indicate the presence of petroleum-impacted soil at depths ranging from 7.5 to 11.5 feet bgs in the vicinity of MW-1. No impacts were observed at MW-2 and MW-3.
- TPHg was detected in soil at a concentration exceeding its commercial ESL at a depth of 8.5 feet bgs in boring MW-1 but was not detected above its commercial ESL in a sample from 12 feet bgs, indicating that the vertical extent of affected soil has been delineated at this location..
- No other detected chemicals in soil or groundwater exceeded the evaluation criteria.
- The horizontal extent of petroleum-impacted soil has been delineated to the north and east, however the horizontal extent of petroleum-impacted soil to the west and south of MW-1 has not yet been delineated.
- Petroleum-related constituents detected in groundwater collected from well MW-1 are consistent with previous findings reported for boring SB-3 from Basics 1999 Phase II investigation conducted at the site and concentrations are below commercial ESLs.

Eastern Tank and Pump Islands Area:

- Visual and PID observations made during drilling indicate the presence of petroleum-impacted soil at depths ranging from 9 to 10.5 feet bgs.
- TPHg, benzene, and ethylbenzene were detected in soil at concentrations exceeding their commercial ESL in samples collected from depths ranging from 9 to 10.5 feet bgs at three boring locations (EB-1 through EB-3). However these



constituents were not detected above their commercial ESLs in deeper samples collected between 12 and 14 feet bgs, indicating that the vertical extent of affected soil has been delineated in this area..

- Lead was detected in soil at a concentration exceeding its commercial ESL at a depth of 2.0 feet bgs at one location.
- TPHg, benzene, and ethylbenzene were detected in groundwater at concentrations exceeding their commercial ESLs at location EB-1.
- No other detected chemicals in soil or groundwater exceeded the evaluation criteria.
- The horizontal extents of petroleum-impacted soil and groundwater have been delineated to the west and south; however, the horizontal extent of petroleum impacts to soil and groundwater have not been delineated to the north and east of boring EB-1.

#### 6.0 **RECOMMENDATIONS**

Geomatrix recommends that the appropriate responsible party prepare a workplan for soil and groundwater investigation to address the following data gaps:

- The extent of petroleum-impacted soil and groundwater is undefined to the south and west of the western tank area.
- The extent of petroleum-impacted soil and groundwater is undefined to the north and east of the eastern tank area.

In addition, further address of lead-impacted soil at 2 ft bgs in boring EB-10, and a soil vapor assessment to further evaluate the potential for petroleum hydrocarbon vapors to migrate from soil or groundwater into indoor air appear necessary to evaluate risk to human health and the environment.



#### 7.0 **REFERENCES**

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# WELL CONSTRUCTION DETAILS AND DEPTH TO WATER MEASUREMENTS $^{\rm 1}$

2301 - 2307 Lincoln Avenue

Alameda, California

Well Name	Measuring Point Elevation <sup>2</sup>	Total Depth of Well (feet)	Screen Interval (ft bgs) <sup>3</sup>	Casing Diameter (inches)	Date Measured	Depth to Water (feet below TOC) <sup>4</sup>	Water Level Elevation (ft MSL)
MW-1	28.61	18.88	7.3 - 12.1	1	8/24/2007	8.37	20.24
MW-2	28.94	19.02	8.3 - 12.9	1	8/24/2007	9.26	19.68
MW-3	28.39	18.88	7.5 - 12.2	1	8/24/2007	8.40	19.99

Notes:

1. Monitoring wells installed on August 15, 2007 by Vironex, Inc., of Pacheco California.

2. Measuring point elevation based on the National Geodetic Vertical Datum 1988.

3. ft bgs = feet below ground surface.

4. ft below TOC = feet below top of casing.

5. ft MSL = feet mean sea level.



#### SOIL SAMPLE RESULTS - VOCs AND TPHg<sup>1</sup>

2301-2307 Lincoln Ave.

#### Alameda, California

Concentrations in milligrams per kilogram (mg/kg)

Sample ID	Sample Depth (feet bgs)	Sample Date	TPHg (C7-C12)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Methyl tert- Butyl Ether (MTBE)	tert-Butyl Alcohol (TBA)	Isopropyl Ether (DIPE)	Ethyl tert- Butyl Ether (ETBE)	Methyl tert- Amyl Ether (TAME)	1,2- Dibromo- ethane	1,2- Dichloro- ethane
Western Tank	Area													
MW-1-3.0	3.0	8/15/2007	$<0.18 \text{ UJ}^2$	< 0.0042	< 0.0042	< 0.0042	< 0.0084	< 0.0042	< 0.085	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042
MW-1-8.5	8.5	8/15/2007	$1,600 \text{ J}^3$	<2.0	<2.0	<2.0	<4.0	<2.0	<40	<2.0	<2.1	<2.2	<2.3	<2.0
MW-1-12.0	12.0	8/15/2007	2.4 J	< 0.0037	< 0.0037	< 0.0037	< 0.0074	< 0.0037	< 0.075	< 0.0037	< 0.0037	< 0.0037	< 0.0037	< 0.0037
MW-1-14.5	14.5	8/15/2007	< 0.160	< 0.0052	< 0.0052	< 0.0052	< 0.01	< 0.0052	< 0.1	< 0.0052	< 0.0052	< 0.0052	< 0.0052	< 0.0052
MW-2-10.5	10.5	8/15/2007	5.0 J	< 0.004	< 0.004	< 0.004	< 0.008	< 0.004	< 0.079	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Eastern Tank	Area and <b>F</b>	ump Island												
EB-1-10.5	10.5	8/16/2007	470	<6.6	<6.6	100	<13.2	<6.6	<130	<6.6	<6.6	<6.6	<6.6	<6.6
EB-1-14.0	14.0	8/16/2007	< 0.820	< 0.004	< 0.004	< 0.004	< 0.008	< 0.004	< 0.081	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
EB-2-9.0	9.0	8/16/2007	24 J	0.44	< 0.270	3.7	< 0.540	< 0.0045	< 0.091	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045
EB-2-13	13.0	8/16/2007	< 0.150	< 0.0045	< 0.0045	< 0.0045	< 0.009	< 0.27	<5.3	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
EB-3-9.0	9.0	8/16/2007	68	0.99	< 0.73	12	1.0	< 0.73	<15	< 0.73	< 0.73	< 0.73	< 0.73	< 0.73
EB-3-11.8	11.8	8/16/2007	< 0.180	< 0.0042	< 0.0042	< 0.0042	< 0.0084	< 0.0042	< 0.085	< 0.0042	< 0.0042	< 0.0042	< 0.0042	< 0.0042
EB-4-6.5	6.5	8/16/2007	< 0.190	< 0.0043	< 0.0043	< 0.0043	< 0.0086	< 0.0043	< 0.086	< 0.0043	< 0.0043	< 0.0043	< 0.0043	< 0.0043
EB-4-10.2	10.2	8/16/2007	<0.180 UJ	< 0.0045	< 0.0045	< 0.0045	< 0.009	< 0.0045	< 0.091	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045
EB-4-13.0	13.0	8/16/2007	< 0.160	< 0.0041	< 0.0041	< 0.0041	< 0.0082	< 0.0041	< 0.082	< 0.0041	< 0.0041	< 0.0041	< 0.0041	< 0.0041
EB-5-2.5	2.5	8/16/2007	< 0.180	< 0.0071	< 0.0071	< 0.0071	< 0.014	< 0.0045	< 0.089	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045
EB-5-9.0	9.0	8/16/2007	2.4	< 0.210	< 0.210	3.7	1.1	< 0.0071	< 0.14	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
EB-5-12.5	12.5	8/16/2007	<1.1	< 0.0045	< 0.0045	< 0.0045	< 0.0090	< 0.21	<4.2	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
EB-6-9.5	9.5	8/16/2007	4.3	< 0.12	< 0.12	1.8	< 0.24	< 0.12	<2.4	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
EB-6-14.0	14.0	8/16/2007	< 0.180	< 0.0036	< 0.0036	< 0.0036	< 0.007	< 0.0036	< 0.072	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036
EB-8-1.5	1.5	8/15/2007	<0.980 UJ	<0.0049 UJ	<0.0049 UJ	<0.0049 UJ	$<\!0.0098 \ UJ$	<0.020 UJ	<0.091 UJ	$<\!0.0045 \text{ UJ}$	<0.0045 UJ	<0.0045 UJ	<0.0045 UJ	$<\!0.0045 \text{ UJ}$
EB-9-2.0	2.0	8/15/2007	<0.960 UJ	$<\!\!0.0048 \text{ UJ}$	$<\!\!0.0048 \text{ UJ}$	$<\!\!0.0048 \text{ UJ}$	$<\!0.0096 \ UJ$	<0.019 UJ	<0.093 UJ	$<\!\!0.0046 \text{ UJ}$	<0.0046 UJ	<0.0046 UJ	<0.0046 UJ	$<\!0.0046 \text{ UJ}$
EB-10-2.0	2.0	8/16/2007	<1.5	< 0.0051	< 0.0051	< 0.0051	< 0.012	< 0.0051	< 0.1	< 0.0051	< 0.0051	< 0.0051	< 0.0051	< 0.0051
EB-11-2.0	2.0	8/16/2007	$< 1.2U^{4}$	< 0.0048	< 0.0048	< 0.0048	< 0.096	< 0.0048	< 0.096	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048
	Comm	ercial ESL <sup>5</sup>	100	0.120	29	33	31	8.4	310	<sup>6</sup>			0.019	0.22

Notes:

1. Samples analyzed by Curtis & Tompkins, Ltd., for TPHg using U.S. EPA Method 8015M and for BTEX and fuel oxygenates and additives using U.S. EPA Method 8260B

2. "UJ" indicates the analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

3. "J" indicates the analyte was positively identified; the associated numerical value is the approxiamte concentration of the analyte in the sampl

4. "U" indicates the analyte was analyzed for, but was not detected above the reported sample quantitation limit

5. Water Board, 2003, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, Table B-2- Final ESL, Shallow soil screening levels (less than 3 meters bgs) for commercial/industrial land use, where potentially impacted groundwater is not a current or potential drinking water resource), July (updated November 2007).

6. "--" indicates an ESL has not been established for this constituent

Abbreviations:

TPHg = total petroleum hydrocarbons quantified as gasoline

VOCs = volatile organic compounds

ESL = environmental screening level



## SOIL SAMPLE RESULTS - LEAD<sup>1</sup>

2301-2307 Lincoln Ave.

#### Alameda, California

Concentrations in miligrams per kilogram (mg/kg)

Sample	Sample Depth	Sample					
ID	(feet bgs)	Date	Lead				
Eastern Tank Area and Pump Islands							
EB-1-10.5	10.5	8/16/2007	4.5				
EB-1-14.0	14.0	8/16/2007	1.4				
EB-2-9.0	9.0	8/16/2007	21				
EB-2-13	13.0	8/16/2007	1.2				
EB-3-9.0	9.0	8/16/2007	2				
EB-3-11.8	11.8	8/16/2007	1.8				
EB-4-6.5	6.5	8/16/2007	2.3				
EB-4-10.2	10.2	8/16/2007	1.8				
EB-4-13.0	13.0	8/16/2007	1.7				
EB-5-2.5	2.5	8/16/2007	48				
EB-5-9.0	9.0	8/16/2007	2.6				
EB-5-12.5	12.5	8/16/2007	1.5				
EB-6-9.5	9.5	8/16/2007	2.5				
EB-6-14.0	14.0	8/16/2007	2				
EB-8-1.5	1.5	8/15/2007	40				
EB-9-2.0	2.0	8/15/2007	2				
EB-10-2.0	2.0	8/16/2007	550				
EB-11-2.0	2.0	8/16/2007	3.3				
	Commercial ESL <sup>2</sup>		260				

Notes:

- 1. Samples analyzed for total lead by Curtis & Tompkins, Ltd., using U.S. EPA Method 6010B.
- 2. Water Board, 2003, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, Table B-2-Final ESL, Shallow soil screening levels (less than 3 meters bgs) for commercial/industrial land use, where potentially impacted groundwater is not a current or potential drinking water resource), July (updated November 2007).

#### Abbreviation:

ESL = environmental screening level



#### **GROUNDWATER SAMPLE RESULTS - VOCs AND TPHg<sup>1</sup>**

#### 2301-2307 Lincoln Ave. Alameda, California

Concentrations in micrograms per liter (µg/L)

Sample ID	Sample Date	TPHg (C7-C12)	Benzene	Ethyl- benzene	Toluene	Total Xylenes	Methyl tert- Butyl Ether (MTBE)	tert-Butyl Alcohol (TBA)	Isopropyl Ether (DIPE)	Ethyl tert- Butyl Ether (ETBE)	Methyl tert- Amyl Ether (TAME)	1,2-Dibromo ethane	1,2-Dichloro- ethane
Groundwater Samples	from Wells in W	estern Tank A	Area										
MW-1-082407	8/24/2007	$4,100 \text{ J}^2$	3.0	1.5	< 0.5	<1.0	<0.5	<10	<0.5	<0.5	< 0.5	<0.5	<0.5
MW-10-082407 <sup>3</sup>	8/24/2007	3,500 J	3.1	1.3	< 0.5	<1.0	<0.5	<10	<0.5	<0.5	< 0.5	<0.5	<0.5
MW-2-082407	8/24/2007	<50	< 0.5	< 0.5	0.5	<1.0	< 0.5	<10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-3-082407	8/24/2007	<50	< 0.5	< 0.5	< 0.5	<1.0	< 0.5	<10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Grab Groundwater San	nples from Temp	porary Boring	gs in Eastern	Tank Area									
EB-1-081607	8/16/2007	7,000	980	490	11	19	<5	<100	<5	<5	<5	<5	<5
EB-4-081607	8/16/2007	<50	< 0.5	< 0.5	< 0.5	<1.0	< 0.5	<10	<0.5	< 0.5	< 0.5	< 0.5	< 0.5
Vapor Intrusion Com	nmerical ESLs <sup>4</sup>	6	1,800	170,000	530,000	160,000	24,000					510	690
Commerical	ESLs (Gross) <sup>5</sup>	5,000	20,000	300	400	5,300	1,800	50,000				50,000	50,000

Notes:

1. Samples analyzed by Curtis & Tompkins, Ltd. for TPHg using U.S. EPA Method 8015M and for select VOCs (BTEX, fuel oxygenates, and fuel additives) using U.S. EPA Method 8260B.

2. "J" indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

3. Blind duplicate sample collected from MW-1.

4. Water Board, 2003, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, Table E-1a, Groundwater screening levels for evaluation of potential vapor intrusion concerns, July (updated November 2007).

5. Water Board, 2003, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, Table F-1b, Gross contamination groundwater screening levels where groundwater is not a current or potential drinking water resource, July (updated November 2007).

6. "--" indicates an ESL has not been established for this constituent.

#### Abbreviations:

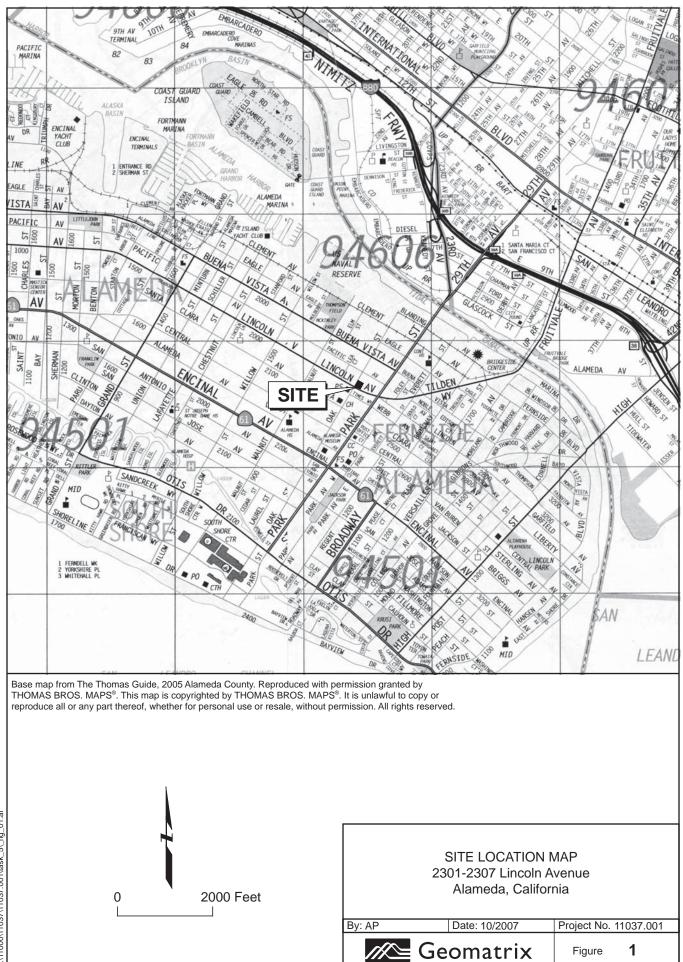
ESL = environmental screening level

TPHg = total petroleum hydrocarbons quantified as gasoline

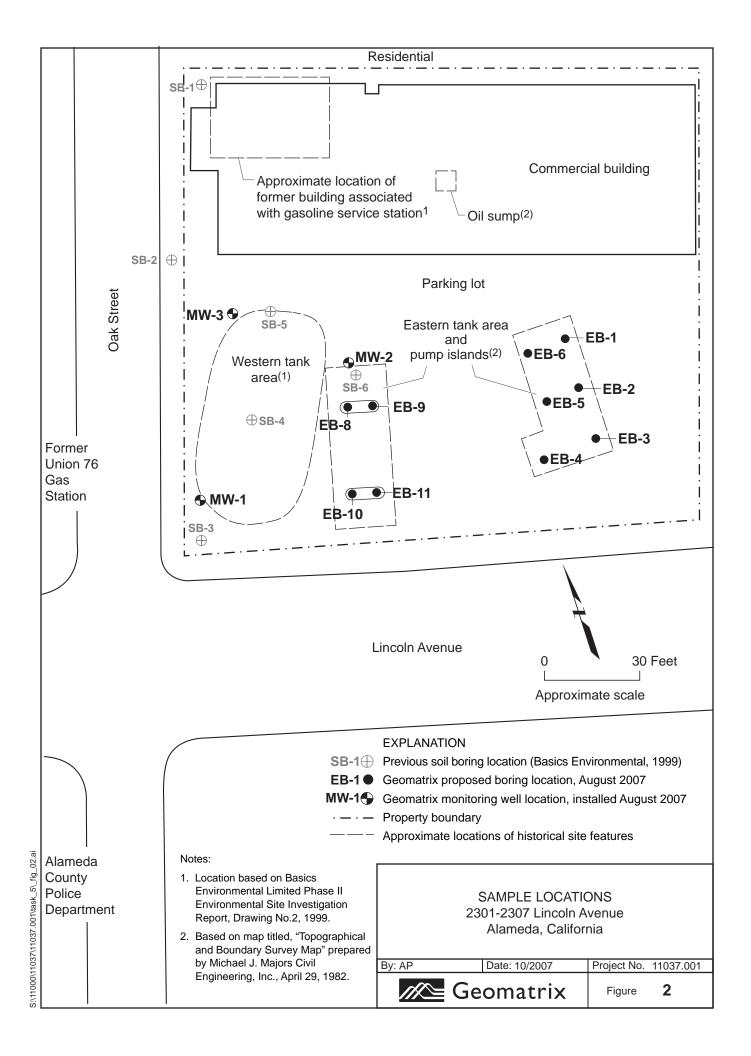
VOCs = volatile organic compounds

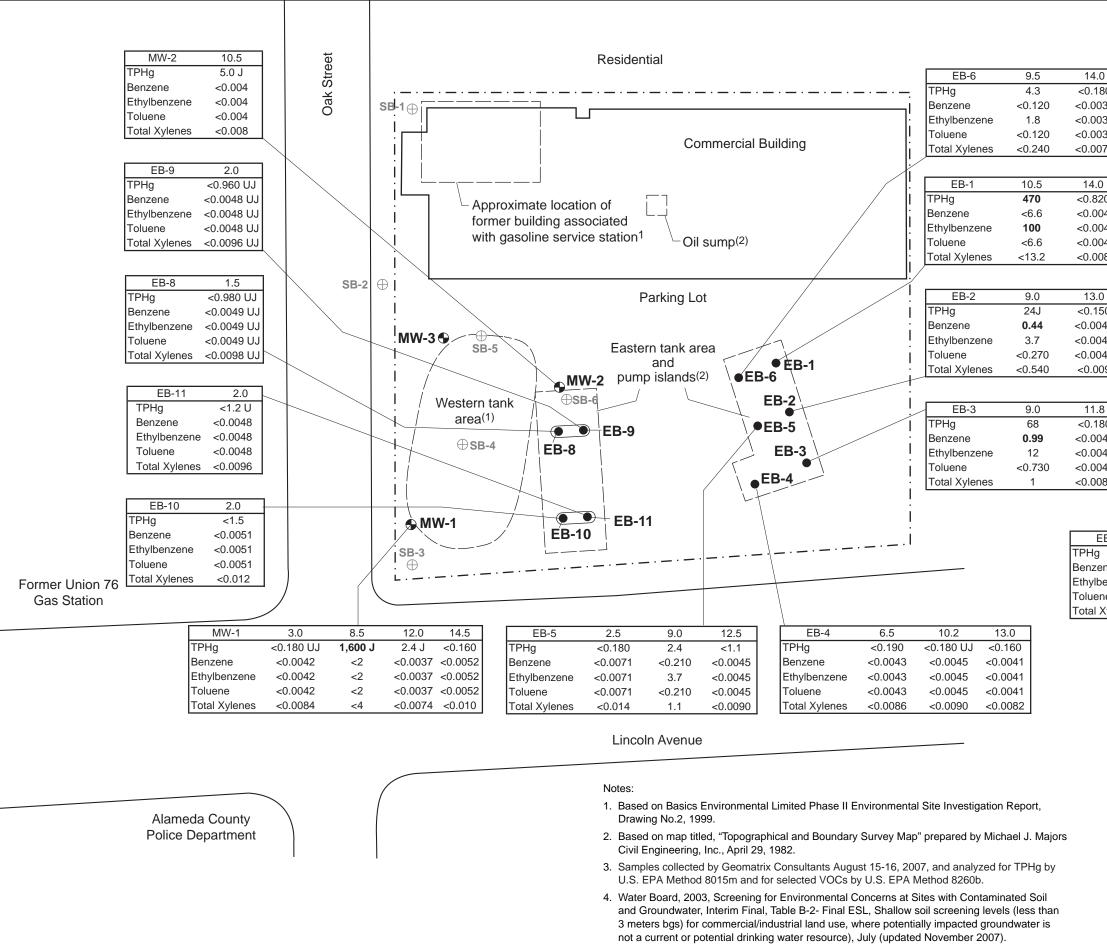


# **FIGURES**

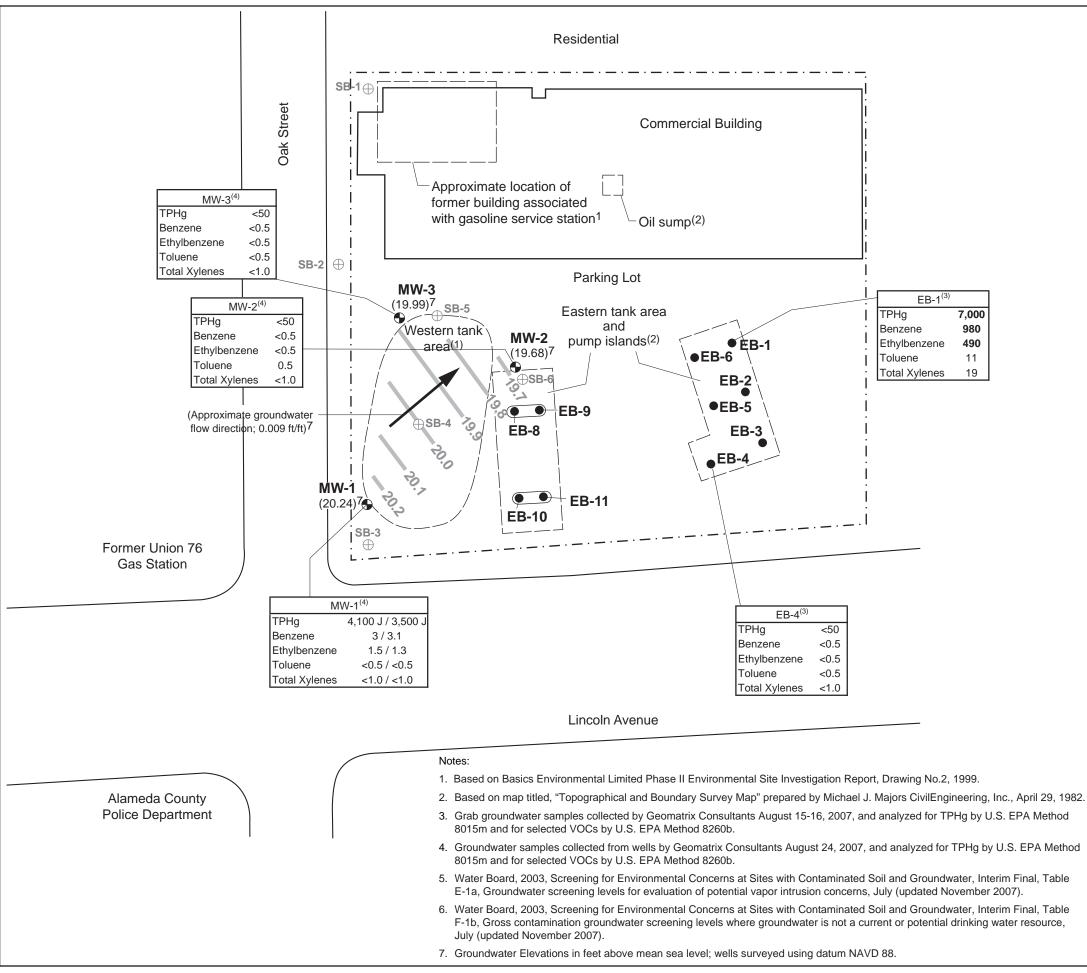


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.0 320		EXPLANA	TION	
004	EB-1 ●		boring location,	-
)04 )04	MW-1 🗣	Geomatrix August 20		location installed
004	· — · —	Property b		
			-	storical site features
.0	SB-1 ⊕	Previous s	soil boring locatio	n <sup>1</sup>
150				
045				
045 045				
009				
		Abbreviatio		arbana ao gagalina
.8		-	v ground surface	carbons as gasoline
180		-	tration is estimated	
042		U/UJ = ana quantitation	lyte not detected a	bove the sample
042		•	ronmental screenin	a level
084			lligrams per kilogra	
EB-2	9.0	12.0	<ul> <li>Boring ID and sa</li> </ul>	mple depth in feet bgs
g	24J	<0.150	-	
g :ene		<0.150 <0.0045 -	-	uent and concen-
g	24J <b>0.44</b>	<0.150	<ul> <li>Chemical constit</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene	24J <b>0.44</b> 4	<0.150 <0.0045 <0.0045	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J <b>0.44</b> 4 <0.270 <0.540	<0.150 <0.0045 <0.0045 <0.0045 <0.009	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg	<0.150 <0.0045 <0.0045 <0.0045	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene	<0.150 <0.0045 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen	<0.150 <0.0045 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene	<0.150 <0.0045 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29	<ul> <li>Chemical constit tration in mg/kg. exceeding ESLs</li> </ul>	uent and concen- Concentrations shown in <b>bold</b> .
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29	<ul> <li>Chemical constit tration in mg/kg.</li> </ul>	uent and concen- Concentrations
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29	- Chemical constit tration in mg/kg. exceeding ESLs	uent and concen- Concentrations shown in <b>bold</b> . 30 Feet
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29	- Chemical constit tration in mg/kg. exceeding ESLs	uent and concen- Concentrations shown in <b>bold</b> .
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29	- Chemical constit tration in mg/kg. exceeding ESLs	uent and concen- Concentrations shown in <b>bold</b> . 30 Feet
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29 31	- Chemical constit tration in mg/kg. exceeding ESLs	30 Feet
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29 31 TPHc 2301-	- Chemical constit tration in mg/kg. exceeding ESLs 0 0 L Approx 9 AND BTEX IN 2307 Lincoln A	30 Feet imate scale
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29 31 TPHc 2301-	- Chemical constit tration in mg/kg. exceeding ESLs 0	30 Feet imate scale
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene Total Xylenes	<0.150 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29 31 TPHg 2301- Al	- Chemical constit tration in mg/kg. exceeding ESLs 0 0 Approx 9 AND BTEX IN 2307 Lincoln A ameda, Californ	30 Feet imate scale
g :ene Ibenzene ene	24J 0.44 4 <0.270 <0.540 Constituent TPHg Benzene Ethylbenzen Toluene Total Xylenes	<0.150 <0.0045 <0.0045 <0.0045 <0.009 ESL <sup>4</sup> 100 0.120 33 29 31 TPHg 2301- Al	- Chemical constit tration in mg/kg. exceeding ESLs 0 0 L Approx 9 AND BTEX IN 2307 Lincoln A	30 Feet imate scale



#### EXPLANATION

EB-1 ●	Geomatrix boring location, August 2007
MW-1 🗣	Geomatrix monitoring well location installed August 2007
(19.68)	Groundwater surface elevation (feet msl)
-·-·-	Property boundary
	Approximate locations of historical site features
SB-1 ⊕	Previous soil boring location <sup>1</sup>
20.2	Potentiometric surface contour (in feet above mean sea level)

Abbreviations: TPHg = total petroleum hydrocarbons as gasoline bgs = below ground surface J = concentration is estimated ESL = environmental screening level  $\mu$ g/L = micrograms per liter -- = ESL not available

MW-3 <sup>(</sup>	4)	╞
TPHg	<50	
Benzene	<0.5 -	╞
Ethylbenzene	<0.5	
Toluene	<0.5	
Total Xylenes	<1.0	

Boring or well ID

Chemical constituent and concentration/duplicate concentration in µg/L. Concentrations exceeding ESLs shown in **bold**.

Constituent	ESL <sup>(5)</sup>	ESL <sup>(6)</sup>
TPHg		5,000
Benzene	20,000	540
Ethylbenzene	170,000	300
Toluene	530,000	400
Total Xylenes	160,000	5,300

0 30 Feet

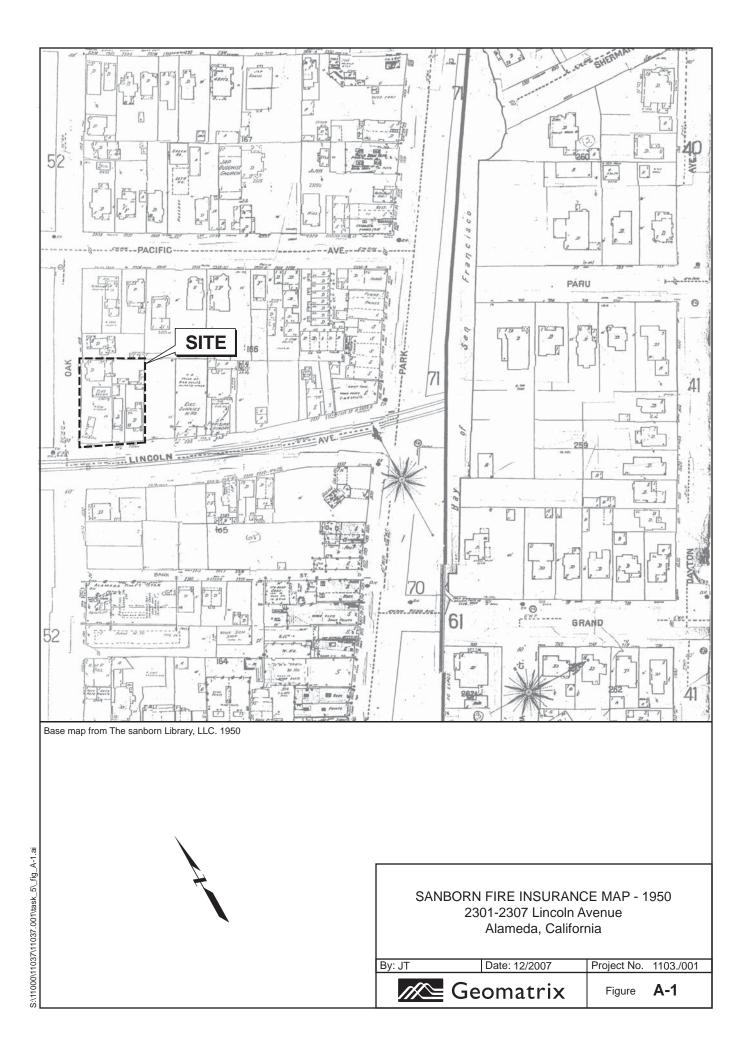
#### TPHg AND BTEX IN GROUNDWATER 2301-2307 Lincoln Avenue Alameda, California

By: AP	Date: 09/2007	Project No.	11037.001
Ge 🖉	omatrix	Figure	4

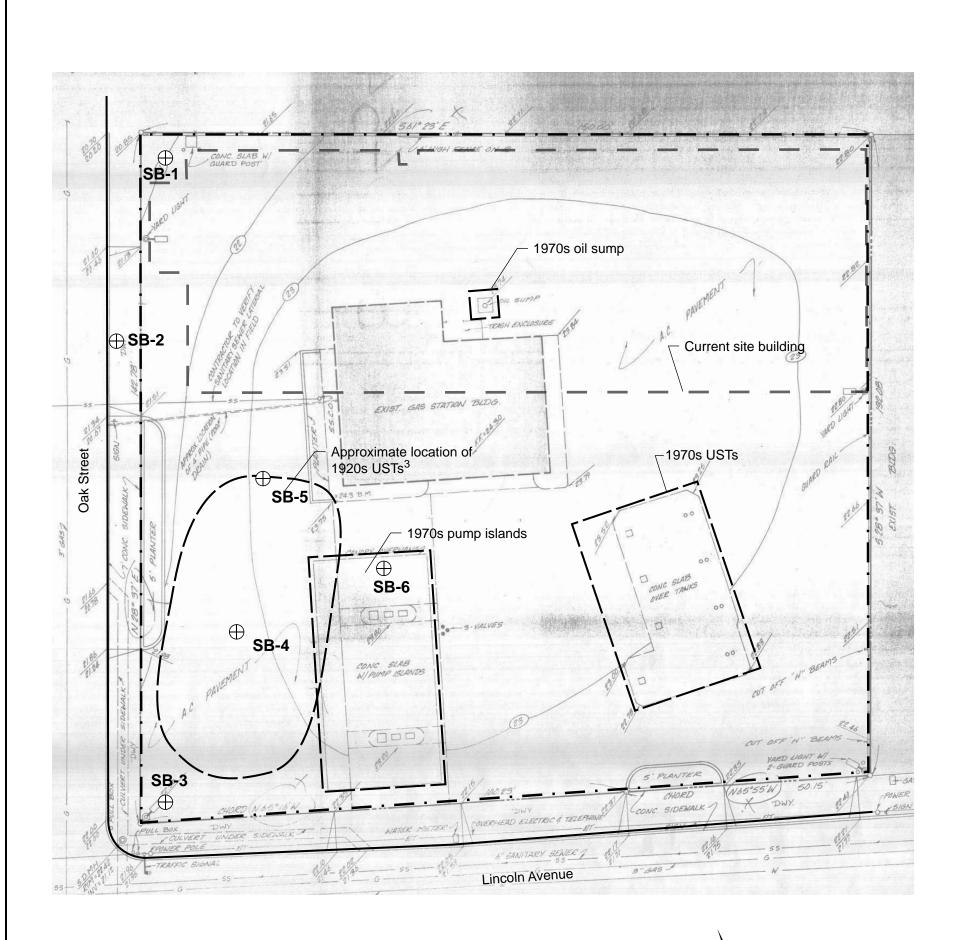


# **APPENDIX** A

# Sanborn Fire Insurance Maps, Aerial Photograph and Majors Site Plan







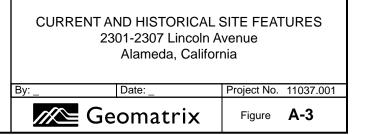
- UST Underground storage tanks
- Property boundary
  - Previous soil boring locations (Basics  $\oplus$ Environmental [Basics], 1999)

0	``	20 Feet

Approximate scale

### Sources:

- 1) Calpestri and Zamborsky, 1982, Site Plan, Site Details, Roof Plan, A New Commerical Building, 2301-2307 Lincoln Ave., Alameda, Calif., April 25.
- 2) Michael J. Majors Civil Engineers, Inc., 1982, Topographic and Boundary Survey, Northeastern Corner, Lincoln Ave. and Oak St., Alameda, Calif.
- 3) Approximation of the 1920 USTs location is based on cross-referencing an illustration created by Basics Environmental (Basics, 1999) with a Sanborn Fire Insurance map from 1950, and an aerial photograph from 1950.





# **APPENDIX B**

# **Drilling Permits**

## Alameda County Public Works Agency - Water Resources Well Permit

PUBLIC	399 Elmhurst Street Hayward, CA 94544-139 Telephone: (510)670-6633 Fax:(5	
Application Approved	l on: 08/01/2007 By jamesy	Permit Numbers: W2007-0884 to W2007-0887 Permits Valid from 08/13/2007 to 08/17/2007
Application Id:	1185484513222	City of Project Site: Alameda
Site Location: Project Start Date:	2301-2307 Lincoln Avenue, Alameda, CA 08/13/2007	Completion Date:08/17/2007
Applicant:	Geomatrix - Avery Patton	<b>Phone:</b> 510-663-4154
Property Owner:	2101 Webster St, 12th Floor, Oakland, CA 946 Allan Sebanc	Phone: 650-342-7837
Client:	2805 Ralston Avenue, Hillsborough, CA 94010 ** same as Property Owner **	
		<b>Total Due:</b> \$1100.00

	Total Due:	\$1100.00
Receipt Number: WR2007-0347	Total Amount Paid:	\$1100.00
Payer Name : Avery Patton	Paid By: MC	PAID IN FULL
	2	

### **Works Requesting Permits:**

Well Construction-Monitoring-Monitoring - 3 Wells Driller: Vironex - Lic #: 705927 - Method: DP

#### Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007- 0884	08/01/2007	11/11/2007	MW1	3.25 in.	1.00 in.	5.00 ft	20.00 ft
W2007- 0885	08/01/2007	11/11/2007	MW2	3.25 in.	1.00 in.	5.00 ft	20.00 ft
W2007- 0886	08/01/2007	11/11/2007	MW3	3.25 in.	1.00 in.	5.00 ft	20.00 ft

### **Specific Work Permit Conditions**

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

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

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with

Work Total: \$900.00

## Alameda County Public Works Agency - Water Resources Well Permit

appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

7. Minimum surface seal thickness is two inches of cement grout placed by tremie

8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

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

Borehole(s) for Investigation-Contamination Study - 11 Boreholes Driller: Vironex - Lic #: 705927 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007- 0887	08/01/2007	11/11/2007	11	2.25 in.	20.00 ft

### **Specific Work Permit Conditions**

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

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

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

## Alameda County Public Works Agency - Water Resources Well Permit

permits and requirements have been approved or obtained.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

# **PROGRAMS AND SERVICES**

Well Standards Program

The Alameda County Public Works Agency, Water Resources is located at: 399 Elmhurst Street Hayward, CA 94544 For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org For Drilling Permit information and process contact James Yoo at Phone: 510-670-6633 FAX: 510-782-1939 Email: Jamesy@acpwa.org

Alameda County Public Works is the administering agency of General Ordinance Code, Chapter 6.88. The purpose of this chapter is to provide for the regulation of groundwater wells and exploratory holes as required by California Water Code. The provisions of these laws are administered and enforced by Alameda County Public Works Agency through its Well Standards Program.

Drilling Permit Jurisdictions in Alameda County: There are four jurisdictions in Alameda County.

### Location: Agency with Jurisdiction Contact Number

Berkeley City of Berkeley Ph: 510-981-7460 Fax: 510-540-5672

Fremont, Newark, Union City Alameda County Water District Ph: 510-668-4460 Fax: 510-651-1760

Pleasanton, Dublin, Livermore, Sunol Zone 7 Water Agency Ph: 925-454-5000 Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of Oakland, Alameda, Piedmont, Emeryville, Albany, San Leandro, San Lorenzo, Castro Valley, and Hayward. The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

**Permits** are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed permit application (30 Kb)\*, along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

#### Fees

Beginning April 11, 2005, the following fees shall apply:

A permit to construct, rehabilitate, or destroy wells, including cathodic protection wells, but excluding dewatering wells (\*Horizontal hillside dewatering and dewatering for construction period only), shall cost \$300.00 per well.

A permit to bore exploratory holes, including temporary test wells, shall cost \$200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: Treasurer, County of Alameda

#### Permit Fees are exempt to State & Federal Projects

Applicants shall submit a letter from the agency requesting the fee exemption.

#### Scheduling Work/Inspections:

Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **James Yoo at 510-670-6633** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when Inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

#### **Request for Permit Extension:**

Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

#### Cancel a Drilling Permit:

Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

#### Refunds/Service Charge:

A service charge of \$25.00 dollars for the first check returned and \$35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of \$50.00 (fifty Dollars).

To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed \$500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is \$1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors. The forms to request for refunds under \$500.00 (Five Hundred Dollars) are available at this office or any County Offices. If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.

#### Enforcement

Penalty. Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars (\$500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such

violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

#### Enforcement actions will be determined by this office on a case-by-case basis

Drilling without a permit shall be the cost of the permit(s) and a fine of \$500.00 (Five Hundred Dollars).

**Well Completion Reports** (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies.

See our website (<u>www.acgov.org/pwa/wells/index.shtml</u>) for links to additional forms.



# **APPENDIX C**

# **Boring Logs**

PROJE				307 LINC la, Califoi		'ENUE		Во	ring Loo	g Expla	nation
BORIN								ELEVATION A	ND DATUM:		
DRILLI	NG CC	ONTR	RACT	OR:				DATE STARTE	ED:	DATE FIN	SHED:
DRILLI	NG ME	ЕТНО	DD:					TOTAL DEPTH	H (ft.):	MEASURI	NG POINT:
DRILLI	NG EC	QUIP	MEN	T:				DEPTH TO WATER	FIRST	COMPL.	24 HRS.
SAMPL	ING N	1ETH	IOD:					LOGGED BY:	I	1	I
HAMM	ER WE	EIGH	IT:			DROP:		RESPONSIBL	E PROFESSIO	DNAL:	REG. NO.
DEPTH (feet)	Sample No.	Sample IdN	Blows/ 6 Foot	OVM READING (ppm)		DESCRIPT NAME (USCS): color, moist, % by cementation, react. w/l Surface Elevation:	wt., plast. dens	ity, structure,		R	EMARKS
					No	tes:					
					2. 3. 4. 5. 6. 8. 1nte	Soil described using visual-manu Society of Testing and Materials guidance; a Standard based on t System. Soil color described according to 	(ASTM) Stand he Unified Soi Munsell Color ta represent in may be abrupt e boundaries of ding in volume not necessarily ations.	dard D 2488 for I Classification r Chart. Inferred boundar or gradual			
11- - 12- - 13- - 14- - -	EB-1-12.5					mple collected for chemical analy	sis and sampl	e identification.	-		
15-	•										KEYFORM (REV. 7/99)
1								Proj	ect No. 11037	.001.0	Page 1 of 1

PROJE				307 LINC la, Califo	OLN AVENUE mia	Log of B	oring No	. EB-1
BORIN	G LOC	CATI	ON:	N: 2106	513.72; E: 6058187.37	ELEVATION AND DATUM Not surveyed; datum		aurface
DRILLI	NG CO	ONTR	RACT	OR: Virc	nex, Inc.	DATE STARTED: 8/15/07	DATE FII 8/15/07	NISHED:
DRILLI	NG MI	ETH	DD:	Direct	push	TOTAL DEPTH (ft.): 15.0	MEASUF	RING POINT: I surface
DRILLI	NG EC	QUIP	MEN	T: Geopr	obe 66DT		FIRST NA	COMPL.
SAMPL	ING N	1ETH	HOD:	Geoprob	e DT21 dual-tube sampling system [4' x 1.25"]	LOGGED BY: C. Payne		
НАММЕ	ER WI	EIGH	IT:	NA	DROP: NA	RESPONSIBLE PROFESS R. Schultz	SIONAL:	REG. NO. CHG 833
DEPTH (feet)	Sample No.	Sample Id	Blows/ G Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. densi cementation, react. w/HCl, geo. inter.	ty, structure,		REMARKS
	0	0	ш	Ľ	Surface Elevation: Not sur ASPHALTIC CONCRETE : (4 inches thick)	veyed		
1-				3.1	POORLY GRADED GRAVEL with SILT and SANE brown (10YR 3/3), moist, 60% fine to coarse grave coarse sand, 10% nonplastic fines [FILL] POORLY GRADED SAND with SILT and GRAVEI yellowish brown (10YR 3/4), moist, 70% fine to coarse	I, 30% fine to	- calibrated	iniRAE 2000 PID with 100 ppm e standard.
2-				1.6 0.6	to coarse gravel, 10% nonplastic fines		_	
3-				0.6	POORLY GRADED GRAVEL with SAND and SIL <sup>-</sup> very dark brown (10YR 2/2)	(SP-SIVI)	Hand aug	ered to 5 feet
4-	EB-1-4			188	greenish black (10Y 2.5/1)			ngs logged for
				153 423 98.1	POORLY GRADED GRAVEL with SAND (GP) POORLY GRADED SAND with SILT (SP-SM): gr 2.5/1), moist, 90% fine sand, 10% nonplastic fines	eenish black (5GY	<ul> <li>based on</li> <li>Coordinat</li> <li>83, Zone</li> <li>-</li> <li>-&lt;</li></ul>	ation coordinates the California e System NAD III. undwater sample
9- 9- 10- 11- 12- 13-	L4 EB-1-10.5			1588 62 11.2	<ul> <li>↓ dark greenish gray (10BG 4/1)</li> <li>↓ wet</li> <li>↓ yellowish brown (10YR 5/4)</li> </ul>		<ul> <li>EB-1-081</li> <li>through 5</li> <li>Sch. 40 F</li> <li>(0.010-inc</li> <li>placed in</li> <li>to 15 feet</li> <li>casing rei</li> <li>bottom of</li> <li>bgs to ma</li> <li>seal.</li> <li>Borehole</li> <li>Type I-II r</li> </ul>	607 collected feet of 1-inch OD VC screen ch slot size) borehole from 10 bgs. Drive tracted from boring to 10 feet aintain surface
14-	EB-1-14			3.9	Bottom of boring at 15.0 feet		placed fro	om total depth to urface with a
15-					Bottom of boring at 15.0 feet			OAKBOREV (REV. 8/2007)
				Geomat	rix	Project No. 110	37.001.0	Page 1 of 1

	ameda, ( ion: N:					
	ION: N:		00 40 5 0050400 00	ELEVATION AND DATU	JM:	
DRILLING CONT		21064	99.42; E: 6058183.62	Not surveyed; datu		
	RACTOR	Viror	nex. Inc.	DATE STARTED:	INISHED:	
				8/16/07	8/16/0	
RILLING METH	IOD:	Direct p	bush	TOTAL DEPTH (ft.):		RING POINT:
				15.0	FIRST	d surface
RILLING EQUIF	PMENT:	Geopro	be 66DT	DEPTH TO WATER (ft.)		NA
AMPLING MET	HOD: Ge	eoprobe	DT21 dual-tube sampling system [4' x 1.25"]	LOGGED BY: C. Payne		
IAMMER WEIGI	нт: <b>N</b> /	A	DROP: NA	RESPONSIBLE PROFE	SSIONAL:	REG. NO.
DEPTH (feet) Sample No. Sample	Blows/ Sar	READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. dens cementation, react. w/HCl, geo. inter.	sity, structure,		REMARKS
		₩ ₩	Surface Elevation: Not sur	nyeved	-	
			ASPHALTIC CONCRETE : (4 inches thick)	i veyeu		
		F		D (CD CM): dont		
1-		0	POORLY GRADED GRAVEL with SILT and SAN grayish brown (10YR 4/2), moist, 60% fine to coar to coarse sand, 10% nonplastic fines [FILL]		- calibrate	MiniRAE 2000 PID d with 100 ppm
4			POORLY GRADED SAND with SILT (SP-SM): da	ark vellowich brown		ene standard.
<u>_</u>		3.2	(10YR 4/3), moist, 70% fine to coarse sand, 20%			
2-		J.Z	gravel, 10% nonplastic fines			
-			very dark greenish gray (10BG 3/1) or 10GY 3/1		-	
3-	_		_			
Ĭ		-				igered to 3 feet
-		50.4				tings logged for
4-					_ lithology	
		14.1				
					-	
5-	-	F	POORLY GRADED GRAVEL with SAND and SIL	T (GP-GM)		
			I OUTET OTTOED GITTVEE WILL SAND AND AND SIE			ocation coordinates n the California
		164				ate System NAD
6-		F	POORLY GRADED SAND with SILT and GRAVE	(SP_SM)	83, Zone	
			→ ASPHALTIC CONCRETE		_	
		10	AOPHALIIU UUNUKEIE			
7-		12			Grab ard	oundwater sample
-					- EB-2 co	llected through 5
8-		127				-inch OD Sch. 40
		121				reen (0.010-inch
_ <sub>م</sub>						) placed in boreho to 15 feet bgs.
EB-2-9						sing retracted fron
·   · ·   +	-   ^	1175	Contains bone fragments		bottom o	of boring to 10 feet
					bgs to m	naintain surface
10-					_ seal.	
		1312				
11-		6.7			-	
		0.1	T		_	
			dark yellowish brown (10YR 4/4)			
12-						
- <u>-</u>		2.3			-	
13-13		2.0				
						e destroyed using
						neat cement grou
14-						rom total depth to
		2			_ ground s	surface with a
7			Bottom of boring at 15.0 feet			.h
15			-	.OGS\GINT LOGS\DRAWING FILES\EB-2_B		(BOREV (REV. 8/2007)

PROJECT: 2310-2 Alame	2307 LINC da, Califo		Log of E	Boring No.	EB-3
		484.08; E: 6058180.63	ELEVATION AND DATU		
SORING LOCATION.	IN. 2100	404.00, E. 0000100.00	Not surveyed; datur		
DRILLING CONTRAC	TOR: Virc	nex, Inc.	DATE STARTED: 8/16/07	DATE FINI 8/16/07	SHED:
ORILLING METHOD:	Direct	nush	TOTAL DEPTH (ft.):	MEASURI	
	Billoot		15.0	Ground	
RILLING EQUIPME	NT: Geopr	obe 66DT	DEPTH TO WATER (ft.)	FIRST NA	COMPL. NA
AMPLING METHOD	Geoprob	e DT21 dual-tube sampling system [4' x 1.25"]	LOGGED BY: C. Payne		
AMMER WEIGHT:	NA	DROP: NA	RESPONSIBLE PROFES	SSIONAL:	REG. NO. CHG 833
Sample Blows/ Blows/ Blows/ Blows/ Sample Sa	OVM OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. der cementation, react. w/HCl, geo. inte	nsity, structure,	R	EMARKS
Bellar Nan <sup>(*</sup>		Surface Elevation: Not s	urveyed		
-+		ASPHALTIC CONCRETE : (4 inches thick)			
1-	0.9 0.5	POORLY GRADED GRAVEL with SILT and SAI grayish brown (10YR 4/2), moist, 60% fine to coa to coarse sand, 10% nonplastic fines [FILL]			iRAE 2000 PID vith 100 ppm
2-		POORLY GRADED SAND with SILT and GRAV yellowish brown (10YR 3/4), moist, 70% fine to c to coarse gravel, 10% nonplastic fines			Stanuaru.
-	4.8			_	
3-					
		POORLY GRADED GRAVEL with SAND and SI	LT (GP-GM)		red to 5 feet
	0			lithology.	is logged for
4-				_	
_				-	
5-					
					tion coordinates
		POORLY GRADED GRAVEL with SILT (SP-SM	)		ne California System NAD
6-		POORLY GRADED GRAVEL with SILT (SP-SM	)	83, Zone II	
-			/	_	
7-		POORLY GRADED SAND with SILT (SP-SM): ( (10Y 4/1), moist, 90% fine sand, 10% nonplastic			
8-	1556			EB-3-0816	dwater sample 07 collected
9-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	1550			+ through 5 f - Sch. 40 PV - (0.010-inch	
7  X				placed in b	orehole from 10
10-	6.5	dark yellowish brown (10YR 4/4)			gs. drive casin om bottom of
1		v wet		boring to 1	) feet bgs to
11-	1.4			_ maintain su	mace seal.
- <del>12</del> - <del>1</del>				-	
12 - 照					
-   "	1.3				
7					
13-				Borehole d	estroyed using
				- Type I-II ne	at cement grou
14-44				placed fron	n total depth to
				ground sur	
7	0.8	Bottom of boring at 15.0 feet			
15		-			OAKBOREV (REV. 8/2007)
	Geomat	u uh 1 5 4	Project No. 11	007 004 0	Page 1 of 1

	2307 LINC da, Califor	OLN AVENUE nia	Log of B	oring No. E	B-4	
		86.10; E: 6058164.55	ELEVATION AND DATUM Not surveyed; datum		face	
DRILLING CONTRAC	TOR: Viro	nex, Inc.	DATE STARTED: 8/16/07	DATE FINIS 8/16/07		
DRILLING METHOD:	Direct	push	TOTAL DEPTH (ft.): 15.0	MEASURING Ground SI	urface	
DRILLING EQUIPME	NT: Geopro	bbe 66DT	DEPTH TO WATER (ft.)	FIRST NA	COMPL.	
SAMPLING METHOD	Geoprobe	e DT21 dual-tube sampling system [4' x 1.25"]	LOGGED BY: C. Payne			
IAMMER WEIGHT:	NA	DROP: NA	RESPONSIBLE PROFESS	SIONAL:	REG. NO.	
Sample Sample Blows/ Blows/ Blows/ Sample Blows/ Sample Blows/ Sample Blows/ Sample Solution Structure Structure Solution Structure Solution Structure Solution Structure Solution Structure Solution Structure Structure Structure Structure Solution Structure Solution Structure S	OVM OVM (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. den cementation, react. w/HCl, geo. inter		RE	MARKS	
		Surface Elevation: Not su	ırveyed			
	0	ASPHALTIC CONCRETE : (4 inches thick)				
1-		POORLY GRADED GRAVEL with SILT and SAN brown (10YR 3/3), moist, 60% fine to coarse grav 10% nonplastic fines [FILL]		<ul> <li>OVM = Minif</li> <li>calibrated wird</li> <li>isobutylene state</li> </ul>		
2-	0	POORLY GRADED SAND with SILT and GRAVI yellowish brown (10YR 3/4), moist, 70% fine to co to coarse gravel, 10% nonplastic fines		_ _		
3-	0	POORLY GRADED GRAVEL with SILT and SAM	ID (GP-GM)	<ul> <li>Hand augered to 5 feet</li> <li>bgs; cuttings logged for</li> </ul>		
4-	0	POORLY GRADED SAND with SILT (SP-SM): 0 (10YR 4/4), moist, 90% fine sand, 10% nonplasti		lithology.		
5-	1			Boring location	on coordinates California	
6-2.2				<ul> <li>Coordinate S</li> <li>83, Zone III.</li> </ul>	System NAD	
2- E B 4.6. - -	0.9			_		
8-				 		
9-				- EB-4-081607	et of 1-inch OE	
10	13.1	<b>—</b>		_ (0.010-inch s placed in bor	slot size) ehole from 10	
– EB 4	13.1	brown (10YR 4/3), wet		<ul> <li>to 15 feet bgs. drive casing retracted from bottom of boring to 10 feet bgs to</li> </ul>		
11-		mottled brown (10YR 4/3) and dark yellowish bro	wn (10YR 3/4)	_ maintain surf	ace seal.	
12-	0.5			_		
13- <u>6</u> 13- <u>6</u>	0.5			 Borehole des	stroved using	
 14					t cement grout total depth to	
-		dark yellowish brown (10YR 3/4)		_ tremie pipe.		
15		Bottom of boring at 15.0 feet		1 1		

PROJECT:			307 LINC a, Califor	OLN AVENUE nia	Log of I	Bor	ing No.	EB-5
				00.51; E: 6058173.64	ELEVATION AND DATU			
		л <b>ч</b> .	N. 2100	00.31, E. 0030173.04	Not surveyed; datu	m is		
DRILLING CO		ACT	OR: Viro	nex, Inc.	DATE STARTED:	DATE FINISHED:		
				- ,	8/16/07		8/16/07	
DRILLING M	ЕТНС	DD:	Direct	bush	TOTAL DEPTH (ft.): 15.0		MEASURIN Ground	
						FIF		
ORILLING EC	QUIPI	MEN	T: Geopr	bbe 66DT	DEPTH TO WATER (ft.)	N/		NA
Sampling N	/IETH	OD:	Geoprob	e DT21 dual-tube sampling system [4' x 1.25"]	LOGGED BY: C. Payne			
HAMMER W	EIGH	T:	NA	DROP: NA	RESPONSIBLE PROFE R. Schultz	SSIO	NAL:	REG. NO.
DEPTH (feet) Sample S No. S	Sample	Blows/ 55 Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. de cementation, react. w/HCl, geo. int	ensity, structure, er.		R	EMARKS
Sar O	Sar	ᇤᅹ	RE (	Surface Elevation: Not	surveyed			
				ASPHALTIC CONCRETE : (4 inches thick)	·····			
				POORLY GRADED GRAVEL with SILT and SA	ND (CP CM): dark	7_		
1         4         1				grayish brown (10YR 4/2), moist, 60% fine to co			-	iRAE 2000 PID vith 100 ppm standard
ictly				POORLY GRADED SAND with SILT and GRA	/EL (SP-SM): dark	-	Soburyicile	
2- 2- L			3.2 5.5	yellowish brown (10YR 3/3), moist, 65% fine to to coarse gravel, 10% nonplastic fines		$\left  - \right $		
ra Mi			5.5		von dark grovich	+		
3- 5				POORLY GRADED SAND with SILT (SP-SM): brown (10YR 2/2), moist, 90% fine sand, 10% r				
Je r								red to 5 feet
amp			28			-		s logged for
4 – <u>s</u>						-	lithology.	
5-2.								
5-			20.6				Boring loca	tion coordinates
4			20.0			_		ne California
6							Coordinate	System NAD
6-			979				83, Zone III	
-				von dark groonich grov (100) (2/1)		-		
7-				very dark greenish gray (10GY 3/1)				
·			492					
-			7JZ			-		
8-						_	_ ·	
								dwater sample
ရ			1385					07 collected eet of 1-inch OI
EB-5-9						-	Sch. 40 PV	
	Y						(0.010-inch	slot size)
10	$ / \rangle $							orehole from 10
10-	$\square$			↓ wet		-		gs. drive casing om bottom of
-			158			-		) feet bgs to
11-							maintain su	
•••								
-			8.8	dark yellowish brown (10YR 4/4)				
12 - 5						_		
EB-5-12.5								
			1.5					
13-						-	Dorohola -	octroued using
								estroyed using at cement grout
								n total depth to
14-						-	ground sur	face with a
4			1.2			_	tremie pipe	
45			1.2	Bottom of boring at 15.0 feet				
15								OAKBOREV (REV. 8/2007

PROJECT: 2310-2 Alame	2307 LINC da, Califor	Log of Boring No. EB-6				
		515.42; E: 6058175.77	ELEVATION AND DATUR			
	11. 2100		Not surveyed; datun	n is ground su		
RILLING CONTRAC	TOR: Viro	nex, Inc.	8/16/07	8/16/07	יו⊏ט.	
			TOTAL DEPTH (ft.):	MEASURIN	IG POINT:	
RILLING METHOD:	Direct	push	15.0	Ground s		
RILLING EQUIPME	NT: Geopr	obe 66DT	DEPTH TO WATER (ft.)	FIRST	COMPL.	
AMPLING METHOD	Geoprob	e DT21 dual-tube sampling system [4' x 1.25"]	LOGGED BY: C. Payne		•	
AMMER WEIGHT:	NA	DROP: NA	RESPÓNSIBLE PROFES	SIONAL:	REG. NO. CHG 833	
DEPTH (feet) No. Blows/ Blows/	OVM OVM (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. den cementation, react. w/HCl, geo. inter	sity, structure,	RI	EMARKS	
S S E	Ľ		urveyed			
		ASPHALTIC CONCRETE : (4 inches thick)		4		
1-	2.1	POORLY GRADED GRAVEL with SILT and SAN grayish brown (10YR 4/2), moist, 60% fine to coa to coarse sand, 10% nonplastic fines [FILL]			iRAE 2000 PID /ith 100 ppm standard.	
-	0	POORLY GRADED SAND with SILT and GRAVI		-		
2-		yellowish brown (10YR 3/4), moist, 60% fine to co	barse sand, 30% fine	-		
		gravel, 10% nonplastic fines				
	0					
3-					ed to 5 feet	
-					s logged for	
4-	9.1	POORLY GRADED SAND with SILT (SP-SM): (2.5Y 4/2), moist, 90% fine sand, 10% nonplastic		lithology.		
5-				Boring locat	tion coordinates	
-				based on th		
6-	64	grayish brown (2.51 5/2)			System NAD	
				83, Zone III		
7						
7-				-		
	221			<u> </u>		
		dark greenish gray (10Y 4/1)				
8-		¥			dwater sample	
-				- EB-6-08160		
9- بن	1481			through 5 fe	et of 1-inch Ol	
EB-6-9.5				(0.010-inch		
				placed in bo	prehole from 10	
10-	1487				gs. drive casir	
-		wet			om bottom of ) feet bgs to	
11-	00 F			_ maintain su		
	23.5					
				-		
12-						
		yellowish brown (10YR 5/6)				
	7.9	¥ ,				
13-				Borehole de	estroyed using	
7				- Type I-II ne	at cement grou	
14- <del>6</del> 8-9-14					total depth to	
	2.6			ground surf		
		Bottom of boring at 15.0 feet				
15		<b>5</b> • • • • • • • • • • • • • • • • • • •			OAKBOREV (REV. 8/2007	
					SANDONEV (REV. 0/2007	

PROJE				307 LINC la, Califor		'ENUE		Log of	Bor	ing No	EB-8
BORIN	g loc	CATIO	ON:	Parking	lot, 47' E	E, 41' N of property line		ELEVATION AND DAT Not surveyed; dat		around s	urface
DRILLI	DRILLING CONTRACTOR: Vironex, Inc. DATE STARTED: 8/15/07									DATE FIN 8/15/07	IISHED:
DRILLI	NG ME	ETHO	DD:	Hand a	auger			TOTAL DEPTH (ft.): 3.0		Ground	ING POINT: surface
DRILLING EQUIPMENT: Hand auger DEPTH TO WATER (ft.								.)   FIF   N/	RST A	COMPL.	
SAMPL	ING M	1ETH	IOD:	Hand aug	ger			LOGGED BY: C. Payne	1		
HAMM	ER WE	EIGH	IT:	NA		DROP: NA	I	RESPONSIBLE PROF R. Schultz	ESSIO	NAL:	REG. NO. CHG 833
DEPTH (feet)	Sample No.	sample	Blows/ G Foot	OVM READING (ppm)		DESCRIPTION NAME (USCS): color, moist, % by wt., plast. de cementation, react. w/HCl, geo. inte	ensity er	/, structure,			REMARKS
	0	0		<u></u>	ASI	Surface Elevation: Not s PHALTIC CONCRETE : (4 inches thick)	surve	eyed			
- 1-				1.8	PO brov coa	ORLY GRADED GRAVEL with SILT and SA wn (10YR 3/3), moist, 60% fine to coarse gra rse sand, 10% nonplastic fines [FILL]	avel,	30% fine to		calibrated	iniRAE 2000 PID with 100 ppm e standard.
2-	EB-9-2			0.6	yell	ORLY GRADED SAND with SILT and GRAV owish brown (10YR 3/4), moist, 70% fine to o oarse gravel, 10% nonplastic fines			_		
3-	3- Bottom of boring at 3.0 feet									ered to 3 feet Igs logged for	
4-									_	ielegy	
5-									_		destroyed using eat cement grout
6-									_	placed fro	m total depth to
-									-	tremie pip	е.
7-											
8-									_		
-									-		
9-									_		
10-									_		
-   11-											
-									_		
12-									-		
13-											
									_		
15-											
				Geomat	rix			Project No.	11037	001.0	OAKBOREV (REV. 8/2007) Page 1 of 1
		_//		Sconat				1 10/001 110.			

PROJE				307 LINC a, Califor		'ENUE		Log of E	Bor	ing No. EB-9	
BORIN	G LOC	CATIO	ON:	Parking	lot, 51' E	E, 40' N of property line	ELEVATION AND DATU		ground surface		
DRILLING CONTRACTOR: Vironex, Inc. DATE STARTED: 8/15/07 TOTAL DEPTH (ft.):										DATE FINISHED: 8/15/07	
DRILLI	DRILLING METHOD: Hand auger TOTAL DEPT 3.0									MEASURING POINT: Ground surface	
DRILLING EQUIPMENT: Hand auger DEPTH TO WATER (								DEPTH TO WATER (ft.)	FIF   N/	RST COMPL	
SAMPLING METHOD: Hand auger LOGGED BY: C. Payne								-	I		
HAMM								RESPONSIBLE PROFE	SSIO	NAL: REG. CHG	
DEPTH (feet)	Sample No.	Sample IT	Blows/ G Foot	OVM READING (ppm)		DESCRIPTION NAME (USCS): color, moist, % by wt., plast. de cementation, react. w/HCl, geo. inte	ensity, er.	, structure,		REMARKS	
	Х	Š		R	194	Surface Elevation: Not s PHALTIC CONCRETE : (4 inches thick)	surve	yed			
	EB-9-2			2.7 0.4	PO brov coa PO yello	ORLY GRADED GRAVEL with SILT and SA wn (10YR 3/3), moist, 60% fine to coarse gra rse sand, 10% nonplastic fines [FILL] ORLY GRADED SAND with SILT and GRAV owish brown (10YR 3/4), moist, 55% fine to o vel, 10% nonplastic fines	avel,  VEL (	30% fine to		OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard.	
-									_		
3-	3- Bottom of boring at 3.0 feet									Hand augered to 3 fee bgs; cuttings logged fo	
4-									_	lithology.	
-									_		
5-									_	Borehole destroyed us Type I-II neat cement g	grout
6-									_	placed from total depth ground surface with a	i to
-									_	tremie pipe.	
7-											
8-									_		
-									_		
9-											
10-									_		
-									_		
11-									_		
-									_		
13-									_		
								-			
14-											
15									OAKBOREV (REV.	8/2007)	
				Geomat	rix			Project No. 11	037.		

PROJE				307 LINC la, Califoi		'ENUE		Logo	of Bor	ing No.	EB-10
BORIN						E, 23' N of property line	ELEVATION AND I Not surveyed;		s around a	surface	
DRILLII	DRILLING CONTRACTOR: Vironex, Inc. DATE STARTED: 8/16/07									DATE FI 8/16/07	NISHED:
DRILLII	NG ME	ETHO	DD:	Hand	auger			TOTAL DEPTH (ft. 2.0	):	MEASUF	RING POINT: d surface
DRILLI	NG EC	UIP	MEN	T: Hand a	auger			DEPTH TO WATE	R (ft.)	RST	COMPL. NA
SAMPL	ING N	IETH	IOD:	Hand au	ger			LOGGED BY: C. Payne	<b>I</b>		
НАММ	ER WE	EIGH	IT:	NA		DROP: NA		RESPONSIBLE PF	ROFESSIC	DNAL:	REG. NO. CHG 833
DEPTH (feet)	Sample No.	Sample 1	Blows/ 6	OVM READING (ppm)		DESCRIPTION NAME (USCS): color, moist, % by wt., plas cementation, react. w/HCl, geo	o. inter.				REMARKS
	0)	0)		ш.	ASI	Surface Elevation: PHALTIC CONCRETE : (4 inches thick)	Not su	rveyed			
_					PO	ORLY GRADED GRAVEL with SILT and wn (10YR 3/3), moist, 60% fine to coarse			_		
1-					- coa	rse sand, 10% nonplastic fines [FILL]	_				
2-	EB-10-2				yell	ORLY GRADED SAND with SILT and G owish brown (10YR 3/3), moist, 60% fine vel, 10% nonplastic fines			•		
						tom of boring at 2.0 feet					
3-									_		gered to 2 feet ngs logged for
4-									_	lithology.	0 00
									_		
5-									_		destroyed using neat cement grout
6-									_	placed fro	om total depth to urface with a
_									_	tremie pip	
7-									_		
_									_		
8-									—		
9-											
_									_		
10-									_		
									_		
									_		
12-									_		
-									_		
13-											
14-									_		
-									-		
15-				L						I	OAKBOREV (REV. 8/2007)
				Geomat	rix			Project N	No. 11037	.001.0	Page 1 of 1

PROJE				307 LINC la, Califor		'ENUE		Log of	Bori	ing No.	EB-11
BORIN	G LOC	CATIO	ON:	Parking	lot, 56' E	E, 22' N of property line	ELEVATION AND DA Not surveyed; da		around s	urface	
DRILLII	NG CC	ONTF	RACT	OR: Viro	nex, Inc			DATE STARTED: 8/16/07		DATE FIN 8/16/07	IISHED:
DRILLI	NG ME	ETHO	DD:	Hand a	auger			TOTAL DEPTH (ft.): 2.0			ING POINT: surface
DRILLING EQUIPMENT: Hand auger DEPTH TO WATER (f								ft.) Fil N	RST A	COMPL.	
SAMPL	ING N	1ETH	IOD:	Hand au	ger			LOGGED BY: C. Payne			
HAMMI	ER WE	EIGH	IT:	NA		DROP: NA		RESPONSIBLE PRO R. Schultz	FESSIC	NAL:	REG. NO. CHG 833
DEPTH (feet)	Sample No.	ample 1	Blows/ 6	OVM READING (ppm)		DESCRIPTION NAME (USCS): color, moist, % by wt., plast. c cementation, react. w/HCl, geo. ir	nter.	ity, structure,			REMARKS
	S	S	ш	Ľ.	اکل	Surface Elevation: No PHALTIC CONCRETE : (4 inches thick)	t sur	veyed			
1- 2- 3-	EB-11-2			1.1	brov coa POv yello grav	ORLY GRADED GRAVEL with SILT and S wn (10YR 3/3), moist, 60% fine to coarse g rse sand, 10% nonplastic fines [FILL] ORLY GRADED SAND with SILT and GRA owish brown (10YR 3/3), moist, 75% fine to vel, 10% nonplastic fines tom of boring at 2.0 feet	AVE	el, 30% fine to L (SP-SM): dark		calibrated isobutylen Hand aug bgs; cuttir	iniRAE 2000 PID with 100 ppm e standard. ered to 2 feet lgs logged for
4									_	lithology.	
6- 6- 7-										Type I-II n placed fro	destroyed using eat cement grout m total depth to rface with a e.
8-									_		
									_		
9-									_		
									_		
_									_		
11-									_		
12-									_		
13-									_		
									_		
14-								-			
15-											
		_		Geomat	rix			Project No	11027	001.0	OAKBOREV (REV. 8/2007) Page 1 of 1
				Geomat	AL IX			FIUJECLINO	. 11037.	001.0	1 aye I UI I

PROJE	CT:				INCOLN AVENUE lifornia	Log of Well No. MW-1
BORIN	G LO			-	06525.98; E: 6058071.59	TOP OF CASING ELEVATION AND DATUM: 28.61' MSL (NAVD 88)
DRILLI	NG C	ONT	RACT	OR:	Vironex, Inc.	DATE STARTED:         DATE FINISHED:           8/15/07         8/15/07
DRILLI	NG N	1ETH	IOD:	Direc	t push	TOTAL DEPTH (ft.):         SCREEN INTERVAL (ft.):           18.0         7.3-12.1
DRILLI	NG E	QUI	PMEN	т: G	eoprobe 66DT	DEPTH TO FIRST COMPL. CASING: WATER (ft.): NA 8.4 1" Sch. 40 PVC
SAMPL	ING	MET	HOD:	Geo	oprobe DT-22 dual-tube sampling system [5' x 2.25"]	LOGGED BY: C. Payne
HAMM	ER W	/EIG	HT:	NA	DROP: NA	RESPONSIBLE PROFESSIONAL: REG. NO. R. Schultz CHG 833
DEPTH (feet)	ample No.	Sample M	Blows/ B Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, struc cementation, react. w/HCl, geo. inter.	
	S	S	ш		Surface Elevation: 28.96' MSL	iot
-	-				SANDY SILT (ML): very dark brown (10YR 2/2), mo 60% fines, 40% fine sand, nonplastic, very soft	ist,
1-					POORLY GRADED SAND with GRAVEL (SP): dark	
-					brown (10YR 3/3), moist, 60% fine sand, 25% fine gr 5% fines	
2-					POORLY GRADED SAND (SP): dark brown (10YR	3/3),
3-	MW-1-3.0				moist, 95% fine sand, 5% fines	1" diameter Schedule 40     PVC casing
	M					
4-	-					
					CLAYEY SAND (SC): dark yellowish brown (10YR 3	
5-	-5.5				moist, 65% fine sand, 35% low plasticity fines	
-	MW-1-5.5			0.7	POORLY GRADED SAND with SILT (SP-SM): dark yellowish brown (10YR 4/4), moist, 90% fine sand, 10	0%
6-				1.1	nonplastic fines	Bentonite granular seal
7-					very dark gray (10GY 2.5/ )	#2/16 filter pack sand
-				23.2		
8-	8.5					Schedule 40 PVC
	MW-1-8.5					pre-pack well screen with 1" (nominal) inner screen
9-	-	$\vdash$		1804		and mesh stainless steel outer screen, 0.010" slot,
-		М				and #2/16 pre-pack sand
10-		$\square$		1800		
11-					v wet	
-	, oʻ			1872		
12-	MW-1-12.0			82		
				02		Schedule 40 PVC endcap
13-		$\left  \right $		30.7	olive brown (2.5Y 4/3)	
				11.7		
14-	MW-1-14.5				↓ dark yellowish brown (10YR 4/4)	
15-	MW.			1.3 2.1		
				Geor	natrix	OAKWELLV_PPACKTOC (REV. 9/2007) Project No. 11037.001.0 Page 1 of 2

PROJECT: 2310-2307 LI Alameda, Cal		Log of Well No. MW-1 (cont'd)
DEPTH (feet) No. Foot Sample S	DESCRIPTION NAME (USCS): color, moist, % by wt., plast cementation, react. w/HCl, geo.	density, structure, inter.
	Cementation, react. w/HCl, geo.	
24- _ 25- _ 26- _ 27- _ 28- _ 29-		
- 30- - 31- - 32- -		
33	natrix	OAKWELLV_PPACKTOC (REV. 9/2007 Project No. 11037.001.0 Page 2 of 2

			NCOLN AVENUE lifornia			Log of Well No. MW-2
BORING LOCA	TION:	N: 21	06538.71; E: 6058128.88			ASING ELEVATION AND DATUM: SL (NAVD 88)
DRILLING CON	TRACT	OR:	Vironex, Inc.	DA	TE STA 15/07	
DRILLING MET	HOD:	Direc	t push	13	8.1	EPTH (ft.): SCREEN INTERVAL (ft.): 8.3-12.9
DRILLING EQU	IPMEN	т: G	eoprobe 66DT	WA	ATER (ft.	
SAMPLING ME	THOD:	Geo	pprobe DT-22 dual-tube sampling system [5' x 2.2	<sup>5"]</sup> C.	GGED E	e
HAMMER WEIG	-	NA	DROP: NA		SPONS Schult	SIBLE PROFESSIONAL: REG. NO. Z CHG 833
DEPTH (feet) Sample No. Sample		OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. densi cementation, react. w/HCl, geo. inter.	ty, structure,	,	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
S Sa D	ШШ	Ř	Surface Elevation: 29.39' MSL			
			ASPHALTIC CONCRETE: (4 inches thick)			Traffic Rated Well Box
			POORLY GRADED GRAVEL with SILT and S/ (GP-GM): dark grayish brown (10YR 4/2), mo fine to coarse gravel, 30% fine to coarse sand, nonplastic fines [FILL]	oist, 60%		- Neat cement grout
2-			POORLY GRADED SAND with SILT and GRA			- 3.25" diameter borehole
3-		0	(SP-SM): dark brown (10YR 3/3), moist, 60% coarse sand, 30% fine to coarse gravel, 10% n fines, contains brick debris [FILL]			-      -      T' diameter Schedule 40     PVC casing
4-		0				Notes:     Notes:     1. OVM = MiniRAE 2000     PID calibrated with 100     ppm isobutylene
5-	-	0	contains glass debris, bone and shell fragments debris	s, and wood	b	standard. 2. Hand augered to 5 feet bgs. Lithologic
6-		Ū				descriptions are from cuttings.
7-						Bentonite granular seal
8-						#2/16 filter pack sand
9-						Schedule 40 PVC
						1" (nominal) inner screen and mesh stainless steel
			POORLY GRADED GRAVEL WITH CLAY AN	D SAND		outer screen, 0.010" slot, and #2/16 pre-pack sand
			POORLY GRADED SAND (SP): brown (10Y) 95% fine to coarse sand, 5% fines	R 4/3), wet,	,	
						Schedule 40 PVC endcap
			Bottom of boring at 13.0 feet			
14-						
15		Geor	natrix			OAKWELLV_PPACKTOC (REV. 9/2007) Project No. 11037.001.0 Page 1 of 1

PROJE	CT:				NCOLN AVENUE lifornia	Log of Well No. MW-3			
BORIN	IG LO	CAT	ION:	N: 21	06567.94; E: 6058106.52	TOP OF CASING ELEVATION AND DATUM: 28.39' MSL (NAVD 88)			
DRILLI	NG C	ONT	RACT	OR:	Vironex, Inc.	DATE STARTED:         DATE FINISHED:           8/15/07         8/15/07			
DRILLI	NG N	1ETH	IOD:	Direc	t push	TOTAL DEPTH (ft.):         SCREEN INTERVAL (ft.):           13.0         7.5-12.2			
DRILLI	NG E	QUI	PMEN	т: С	eoprobe 66DT	DEPTH TO FIRST COMPL. CASING: WATER (ft.): NA 8.4 1" Sch. 40 PVC			
SAMPI	ING	MET	HOD:	Ge	pprobe DT-22 dual-tube sampling system [5' x 2.25"]	LOGGED BY: C. Payne			
HAMM				NA	DROP: NA	RESPONSIBLE PROFESSIONAL:     REG. NO.       R. Schultz     CHG 833			
DEPTH (feet)	ample No.	Sample M	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, stru cementation, react. w/HCl, geo. inter.	cture, WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS			
	s_	Se	BI	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Surface Elevation: 29.09' MSL	4			
-   1-   -   2-	-			0	ASPHALTIC CONCRETE: (4 inches thick) POORLY GRADED GRAVEL with SILT and SAND (GP-GM): dark grayish brown (10YR 4/2), moist, 60 fine to coarse gravel, 30% fine to coarse sand, 10% nonplastic fines [FILL]	Neat cement grout			
3-	-			0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): dark brown (10YR 3/3), moist, 60% fine to coarse sand, 30% fine to coarse gravel, 10% nonplas fines [FILL]	D - 1" diameter Schedule 40			
4-	-				POORLY GRADED SAND (SP): dark yellowish brov (10YR 4/4), moist, 95% fine sand, 5% fines	vn PID calibrated with 100 ppm isobutylene standard. 2. Hand augered to 5 feet			
6-	-			0	<ul> <li>✓ dark yellowish brown (10YR 3/4)</li> <li>✓ CLAYEY SAND (SC)</li> </ul>	bgs. Lithologic descriptions are from cuttings. Bentonite granular seal			
	MW-2-7.0			0	CLAYEY SAND (SC)	#2/16 filter pack sand			
8- - 9-	-				CLAYEY SAND (SC)	Schedule 40 PVC pre-pack well screen with			
10- - 11-	MW-2-10.5			0	mottled dark yellowish brown (10YR 3/4) and brown ( 5/3) wet	10YR 1" (nominal) inner screen and mesh stainless steel outer screen, 0.010" slot, and #2/16 pre-pack sand			
- 12- -	-			0	↓ brown (10YR 5/3)	Schedule 40 PVC endcap			
13- - 14- - 15-	-			0	Bottom of boring at 13.1 feet	INT LOGSIDRAWING FILESIMW-3 WELL LOG.GDW OAKWELLY. PPACKTOC (REV. 9/2007)			
				Geo	natrix	Project No. 11037.001.0         Page 1 of 1			



# **APPENDIX D**

# **Field Data Sheets**

	Geo	omat	rix		ANI	and the second	SAMPLING LOPMENT RECORD
Well ID:	AAD ,	MW-				Initial Depth 1	to Water: 8.37
	D:			•			er after Sampling: <u>1,2,6,9,79</u>
Sample D	epth:		to a series			– Total Depth t	o Well: 1), 95
Project a	nd Task N	o.: 011	037.	001		Well Diamete	
Project N	ame: <u> </u>	eban	C, Ala	meda	$\sim$		ehole Volume:
Date: 9	5/24/	67			· ·	(Circle one)	
Sampled	ву:	WP	- CE	D	-	4 Casing/Bor – (Circle one)	ehole Volumes:
•	f Purging: f Sampling			1	ump	<ul> <li>Total Casing/</li> </ul>	/Borehole noved:
Time	Intake Depth	Rate (g <del>pm)</del> FPM	Cum. Voi. (g <del>al.)</del>	Temp (°C)	. pH (units	Specific Electrical Conductance (μS/cm)	Remarks (color, turbidity, and sediment)
9:09	10'	150	0	20.91	36.81	5 448	Clear
7:15	4	ريلو	6.9		76.8	×	<u> </u>
7:16	11	11	1.05			463	17
Stoppe	9-						- N
1218	10	150	191	20.9	3 6.9	2 459	
						-moling -	
			÷				
		1.5		•			
	· · · ·						
	A.						
e e presente de la companya de la co			· · · ·	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	Model or	
Buffer So		pH 4	.0 pH 7	7.0 pH	10.0		1 556 MPS
Temperat				·		061	AI 361 Cal 8/23
	nt Reading						
	IC ELECT		<u> </u>	NCE – CA	ALIBRAT	ON Model or	Unit No.:
	tion (μS/cn	n=µmhos/c	m)				
Temperat		<u></u>					
	nt Reading	)					
Notes:			<u></u>		•		
	· .					· · · · · · · · · · · · · · · · · · ·	
	<u></u>				· · · · ·		· · · · · · · · · · · · · · · · · · ·

	Geo	omat	rix		AND/	· · · ·	SAMPLING OPMENT RECORD
Well ID: <u>∫</u>	NW-	2	· · · · · · · · ·			Initial Depth to	Water: 9.26
			plicate ID	:			r after Sampling: $10+57$
Sample D	epth:	•				Total Depth to	Well: 12.426
Project a	nd Task N	<u>o.: 0))</u>	037.0	<u>01</u>		Well Diameter:	
Project N	ame: <u>S</u>	eban	C, Ala	meda			hole Volume:
Date:	8/21	1/07	- 1 <sup>-1</sup>	1		(Circle one)	
-		nurles				4 Casing/Bore (Circle one)	hole Volumes:
		g: Low	<u></u>	N Pur	nt	Total Casing/E Volumes Remo	
Time	Intake Depth	Rate ( <del>gpm</del> ) ∟ph	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Remarks (color, turbidity, and sediment)
10:14	H						
0:18*	- 11 - 22	150	0	23.61	7.12	610	Cleht
0:20	11	150	0.3	23.88	7.04	647	ئى
0'.22	11	150	0.6	23.99	1.05	94924	1) Purse to 11.00' ENTAKE
10:27	15		0.6	-		· ·	
0:32		150	1.2	23.92	7.04	883	Clear purge to 11,00 the
	<u> </u>				- Sun	pline -	
			$e_1^{-1} = e_2^{-1}$				
	-						
				· .			
	рН	CALIBRA	ION (cho	ose two)		Model or L	Jnit No.:
Buffer So	olution	pH 4	.0 pH	7.0 pH 10	).0		
Tempera	ture C						
Instrume	nt Readin	g					
SPECI	IC ELECT			NCE – CAL	IBRATIO	N Model or L	Jnit No.:
KCL Solu	ition (μS/c	m=µmhos/c	m)				
Tempera		 	· /				
Instrume	nt Readin					· <u> </u>	
Notes:				throug	b, Ce	11 used	in Cup.
*Fla	u Thru	cell in	use	J			)
	·		анан на 			ander <u>Anderson (19</u> Maria (1997) - Anderson (1997)	
		· · · · · ·	<u> </u>	•		<u></u>	
	·		<u></u>			<u>en de la constance de la constanc</u>	
				1	•		

ir : Har, yr -

						k	
	E Geo	omati	^ix		AND/		SAMPLING LOPMENT RECORD
Well ID:	MW-	3				Initial Depth to	o Water: 8.*40
				•			er after Sampling: 17.56 8,47
Sample I	Depth:					Total Depth to	o Well: <u><u><u></u><u><u></u><u><u></u><u></u><u><u></u><u></u><u><u></u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u></u></u>
Project a	nd Task N	10.: <u>01\C</u>	)37.0	201		Well Diameter	r: \//
		2ban()	-Ala	meda	<u> </u>	1 Casing/Bore (Circle one)	ehole Volume:
· · · · ·		nuck	Payn	e	······································		ehole Volumes:
				tic pu:	mp	(Circle one)	<b>•</b>
		ig: 100	<b>.</b> .	1		Total Casing/I Volumes Rem	Borenole noved:
Time	Intake Depth	Rate ( <del>gpm)</del> MLM	Cum. Vol. ( <del>gal.)</del>	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Remarks (color, turbidity, and sediment)
7:44	10'	200	0	21.01	7.906.		Clear
7:51	101	200	1,4	21,016		6794	h
7:52	10	200	A.B	21.22	2966.8	# 795	$\sim 1$
1:55	10	200	22	21.31	6.84	795	the second se
7:57	10	200	2.6	21.36	6.83	189	H
7:59				- 5.	AMPL	E	
	· · ·		· · · · ·				
	-		<u>`.</u>				
<u> </u>					1. 		
	-		· · · ·				
•	pH		ION (choo	ose two)	te en	Model or I	Unit No.:
Buffer So	olution	pH 4.	0 pH 7	7.0 pH 10	.0		
Tempera	ture C		1				1 556 MPS
Instrume	nt Readin	g				06	A1361 Cal 8/23
SPECI	FIC ELECT	RICAL CO	NDUCTA	NCE – CAL	IBRATION	Model or l	Unit No.:
KCL Solu	ution (µS/ci	m=µmhos/cr	n)				
Tempera	ture C						
Instrume	nt Reading	g					
Notes:			· · · · · · · · · · · · · · · · · · ·		·		
			· · · · · · · · · · · · · · · · · · ·				
			<u> </u>			· · · · · · · · · · · · · · · · · · ·	
·			·		<u></u>		
		<u>.</u>			· ·		



# **APPENDIX E**

# Laboratory Analytical Reports

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

Laboratory Job Number 196922

Geomatrix Consultants Project : 11037.001 2101 Webster Street Location : Sebanc-Alameda Oakland, CA 94612 Level : II

EB-8-1.5196922-009EB-2-13196922-026EB-1-4.0196922-010TB-081607196922-027EB-1-10.5196922-011EB-1-081607196922-028EB-1-14.0196922-012EB-6-081607196922-029EB-10-2.0196922-013EB-4-081607196922-030EB-11-2.0196922-014EB-3-081607196922-031EB-6-9.5196922-015EB-5-081607196922-032	<u>Sample ID</u> MW-2-7.0 MW-2-10.5 MW-1-5.5 MW-1-8.5 MW-1-8.5 MW-1-12.0 MW-1-14.5 MW-1-3.0	Lab ID 196922-001 196922-002 196922-003 196922-004 196922-005 196922-006 196922-007	<u>Sample ID</u> EB-4-6.5 EB-4-13.0 EB-3-9.0 EB-3-11.8 EB-5-2.5 EB-5-9.0 EB-5-12.5	Lab ID 196922-018 196922-019 196922-020 196922-021 196922-022 196922-023 196922-023
EB = 0 = 14.0 $EB = 2 = 081607$ $196922 = 033$	EB-9-2.0 EB-8-1.5 EB-1-4.0 EB-1-10.5 EB-1-14.0 EB-10-2.0 EB-11-2.0	196922-008 196922-009 196922-010 196922-011 196922-012 196922-013 196922-014	EB-2-9.0 EB-2-13 TB-081607 EB-1-081607 EB-6-081607 EB-4-081607 EB-3-081607	196922-025 196922-026 196922-027 196922-028 196922-029 196922-029

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.

Signature: Project Manager

int Morris

Signature:

Quality Assurance Director

NELAP # 01107CA

Date: \_08/30/2007

Date: <u>08/30/2007</u>

Page 1 of



### CASE NARRATIVE

Laboratory number: Client: Project: Location: Request Date: Samples Received:

196922 Geomatrix Consultants 11037.001 Sebanc-Alameda 08/17/07 08/17/07

This hardcopy data package contains sample and QC results for twenty four soil samples and two water samples, requested for the above referenced project on 08/17/07. The samples were received cold and intact.

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

Low recoveries were observed for gasoline C7-C12 in the MS/MSD for batch 128662; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. EB-1-081607 (lab # 196922-028) had pH greater than 2, however the sample was analyzed within 7 days. No other analytical problems were encountered.

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

5035 samples not analyzed within 48 hours were frozen. Low surrogate recoveries were observed for trifluorotoluene (FID) in MW-1-3.0 (lab # 196922-007) and EB-4-10.2 (lab # 196922-017), due to matrix interference; the corresponding bromofluorobenzene (FID) surrogate recoveries were within limits. High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in many samples, due to matrix interference. No other analytical problems were encountered.

## Volatile Organics by GC/MS (EPA 8260B) Water:

EB-1-081607 (lab # 196922-028) had pH greater than 2, however the sample was analyzed within 7 days. No other analytical problems were encountered.

## Volatile Organics by GC/MS (EPA 8260B) Soil:

Low response was observed for ethyl tert-butyl ether (ETBE) in the CCV analyzed 08/22/07 17:43; this analyte met minimum response criteria, and affected data was qualified with "b". High recovery was observed for 1,2-dichloroethane in the LCS for batch 128588; this analyte was not detected at or above the RL in the associated sample. High recoveries were observed for 1,2-dichloroethane, MTBE, and tert-butyl alcohol (TBA) in the MS for batch 128588; the parent sample was not a project sample, and these analytes were not detected at or above the RL in the associated sample. High RPD was observed for a number of analytes in the MS/MSD for batch 128588; these analytes were not detected at or above the RL in the associated sample. Low recoveries were observed for ethyl tert-butyl ether (ETBE), methyl tert-amyl ether (TAME), and m,p-xylenes in the MS/MSD for batch 128722; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits. High recovery was observed for tert-butyl alcohol (TBA) in the MSD of EB-2-9.0 (lab # 196922-025); the LCS was within limits, the associated RPD was within limits, and this analyte was not

Page 1 of 2



### CASE NARRATIVE

Laboratory number: Client: Project: Location: Request Date: Samples Received:

196922 Geomatrix Consultants 11037.001 Sebanc-Alameda 08/17/07 08/17/07

### Volatile Organics by GC/MS (EPA 8260B) Soil:

detected at or above the RL in the associated samples. Responses exceeding the instrument's linear range were observed for ethylbenzene in the MS/MSD of EB-2-9.0 (lab # 196922-025); affected data was qualified with "b". High surrogate recoveries were observed for bromofluorobenzene and 1,2-dichloroethane-d4 in a number of samples. High surrogate recovery was observed for dibromofluoromethane in EB-1-14.0 (lab # 196922-012); no target analytes were detected in the sample. EB-5-2.5 (lab # 196922-022) was not diluted; the low sample weight is due to 5035 packaging. MW-1-8.5 (lab # 196922-004) was diluted due to high levels of hydrocarbons. No other analytical problems were encountered.

### Metals (EPA 6010B):

No analytical problems were encountered.

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Geomatrix	2101 Webster Street, 12th Floor Oakland, California 94612-3066 I 510.663.4100 Fax 510.663.4141	2101 W Oakland Tel 510.66	SIGNATURE: PRINTED NAME: COMPANY:	SIGNATURE: PRINTED NAME: COMPANY:
11 SULIUM SISUISAT	THE VER W/VIETNAMOL UNI		PRINTED NAME: COMPANY:	PRINTED NAME: COMPANY:
	in all all and all	enly	SIGNATURE:	SIGNATURE:
EDB, 1, 2-		613	PRINTED NAME:	PRINTED BANE (atto 16
Fuel Oxypenates (TAME DIPE.	SAMPLING COMMENTS* BTEX 5 FUC	SAMPLIN	SIGNATURE:	
~	TOTAL NUMBER OF CONTAINERS:	DATE TIME TOTAL NU	E RECEIVED BY:	JISHED BY:
V V spected high				J 1025 EB-6-
		·		0942 E6-11-2
				- 0925 F
AM LAN VARY				1 0855 EB-1-14.0
				5280 40/91/8
	*			1 1650 63-8-1.5
6	SVOAS, 18-02 VIr 1			
$\mathbf{\Psi}$	4			· · · · · · · · · · · · · · · · · · ·
				5541
				5 1440 MW-1-12,0
A high wordentrations				1423
			X	1420
				- MW 0660
-C	び		3	0 + - 7-MW 5160 toys1/8 )-
Preserval Cooled MS/MSD No. of Cc ADDITIONAL	CONTAINER TYPE AND SIZE Soil (S), Vapor (V) Filtered		TPHe VOC: Leac HOL	DATE TIME NUMBER
1 <u>3</u> 2	Water (W), , or Other (O)	•	1 (8015m) 5*(8260 L (601 D) D	Chr
		ANALYSES	-	SAMPLERS (SIGNATURE):
2.	SITE SPECIFIC GLOBAL ID NO		LABORATORY PHONE NUMBER: 3	lab lenner
YES NO	GEOTRACKER REQUIRED		LABORATORY CONTAGE UT 1	SAMPLE SHIPMENT METHOD:
			Beneley, CA-	sta
			LABORATORY ADDRESS:	RESULTS TO: J. TO MENS/A, Patton
T PAGE / OF 3	DATE: S/16/07	CLIENT INFORMATION:	-1 L°	PROJECT NAME: Sevanc - Alame
OAK 12436		144111	2)#	CHAIN-OF-CUSTODY RECORD

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		1el 510.663.4100 Fax 510.663.4141	COMPANY	
•	Geomatrix	2101 Webster Street, 12th Floor Oakland, California 94612-3066	PRINTED NAME:	PRINTED NAME:
	Sample - tark to R. Butter will J	(Dpls run trip blank-no soil in Sample-tark to R. Butter with	SIGNATURE:	SIGNATURE:
	2-12.5 and FB-2-9 only	Opis in melmers on FB-5	PRINTED NAME:	COMPANY:
	and sodium bisubate	ved w/ methanol	SIGNATURE:	
	~ Walling (2) (12-10-1)	1 17401	COMPANY:	nertry el
	Kygenatics (TIME)	The Ten		PRINTED NAME: OF HON AND AND AND
			SIGNATURE:	
			- And	
	No Contraction		· · · · · · · · · · · · · · · · · · ·	
	Several AND C	2 VAA3 0 V		a
•	and the state of t	240/101 - 240/101		77
E	min perior			F10-2-9. N
5	MC NU AND	101045 1870-10-1		7 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Nr.4 riger and a land			2-2-94
-	2.0			5
				ra-2-1
				KB-2-0
				ER-4-
		1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		.1135
	≱ < 2			X0 8/16/07 1030 EB-6-14.0
	Preserval Cooled MS/MSD No. of Co COMMENTS	CONTAINER TYPE AND SIZE Soli (S), ( Vapor (V) Filtered	TPHA VOCS LEAC	DATE TIME NUMBER
н н П н П	· · · · · · · · · · · · · · · · · · ·	Vater (W), , or Other (C	4 (8015 * (8210 (6010	
			5	SAMPLERS (SIGNATURE):
	-	SITE SPECIFIC GLOBAL ID NO	LABOREDURY PHONE NUMBER:	and wand
	YES NO	GEOTRACKER REQUIRED	TYPE CALORATORY CONTROL	SAMPLE SHIPMENI METHOD:
			Bureley, OA	TURNAROUND TIME: CT-2/
			LABORATORY ADDRESS:	RESULTS TO TONCOS, A. Patton
	ITS:	N: REPORTING REQUIREMENTS:	LABORATORYNAME JONPKINS CLIENT INFORMATION:	007
	_m	DATE: 8/16 /	Mameda	- 21
	OAK 12437		レフト 961年	CHAIN-OF-CUSTODY RECORD
7				

ME: Sebanc- Alan		+	GE 2 OF 3
, 001	LABORATORY NAME: CURTIS + TOMIKINS CLIENT INFORMATION:	UIREMEN	
A. PATTON	ITORY ADDRESS:	3	
TNDARD	KELEY, CA		
	Robert But ER	GEOTRACKER REQUIRED	YES NO
Ull UUUI) C LABORATORY	ITORY PHONE NUMBER: 0- スート 2331	SITE SPECIFIC GLOBAL ID NO.	
SAMPLERS (SIGNATURE):		)	
1.54			ers
(80			ontaine
DATE TIME NUMBER	VOCS LEAD HOL	TYPE AND SIZE Soil (S), V Vapor (V) =iltered	MS/MSD No. of Co ADDITIONAL COMMENTS
X X 209180-1-53 SHOLT X X		N Her Y	-
1040 E13-6-081607			16
-t-09180-h-83 5171			6
E09130-E83 5151			6
3 02/1 1			V 12 ins/mside
1450 EB - 7-08/607			15 W 49
+ 1510 FB-30-08/607		V VV	
JISHED BY: DATE TIME	D BY: DATE TIME	TOTAL NUMBER OF CONTAINERS:	
	SAMPLING CO	MMENTS: () Analyze BTEX,	FUEL OXYGENATES
10/ 10/ 230	COMBANY (TAME)	DIPE, ETBE, TAA, TBA),	2 FUEL
SIGNATIBE		NES (	ONT (
	D NAME:	67 F0-5-081807, 2	analy ged later
	NY:		
PRINTED NAME: PRINTED NAME: PRINTED NAME		bster Street, 12th Floor	•
	Tel 510.663.4100	Fax 510.663.4141	Geomatrix

Left in white

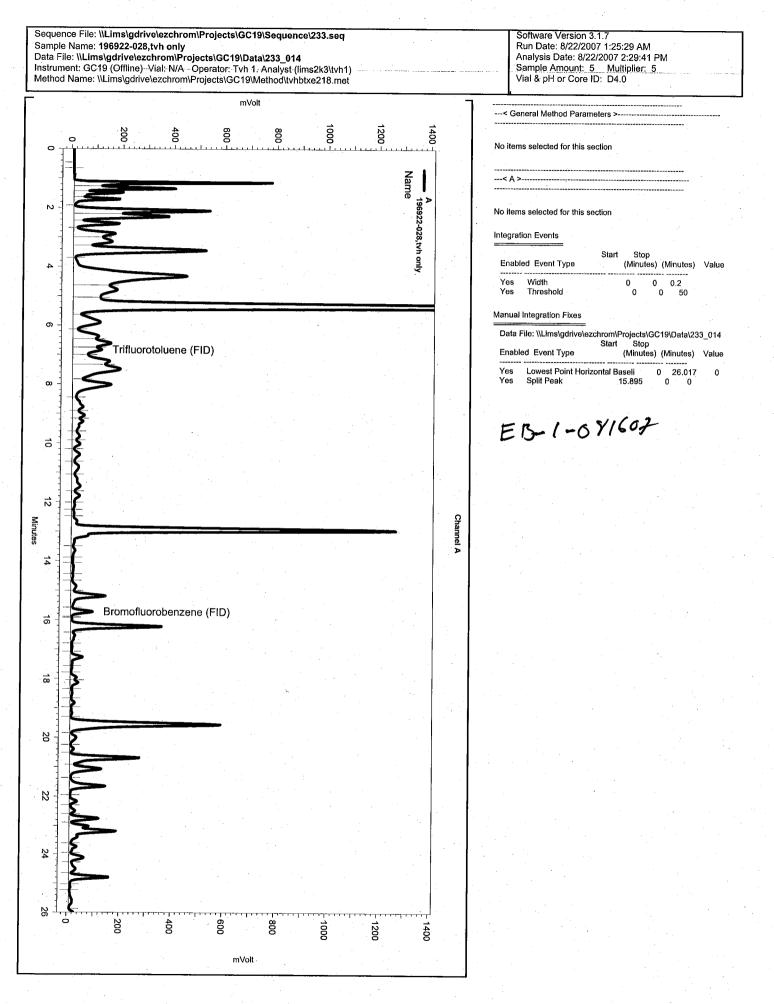
SOP Volume: **Client Services** Section: 1.1.2 Curtis & Tompkins, Ltd. Page: 1 of 1 Effective Date: 08-Aug-07 Revision: 3 Number 1 of 3 Filename: F:\QC\Forms\QC\Cooler.wpd **COOLER RECEIPT CHECKLIST** Date Received: 8 - 7 - 2007 Number of Coolers: 2Login#: Client: GEOMATRIX SPANC - ALAMEDIA Project: Preliminary Examination Phase Α. Date Opened: 2-17-2017 By (print): 1/2 / (sign) Did cooler come with a shipping slip (airbill, etc.)?..... 1. YES ХЮ If YES, enter carrier name and airbill number: Were custody seals on outside of cooler?..... 2. YES-NO How many and where? Seal date: 8.16.07Seal name: 3. Were custody papers dry and intact when received?..... 4. VES'NO 5. Did you sign the custody papers in the appropriate place?..... 6. 7. If YES, enter project name at the top of this form. Describe type of packing in cooler: 2000 8. If required, was sufficient ice used? Samples should be <=6 degrees C. ..... 9. YES NO Type of ice: UIFT Temperature: NO RMD 5 Coh Were Encore sampling devices present in the cooler?..... 10. ....YES If YES, enter time they were transferred to the freezer B. Login Phase Date Logged In: 8-(7-2007 By (print): Ka) CAVALA (sign) 1. Did all bottles arrive unbroken?..... YES NO Were labels in good condition and complete (ID, date, time, signature, etc.)?... KES'NO 2. 3. Were appropriate containers used for the tests indicated?..... 4. VES NO 5. 6. 7. 8. If YES, give details below. Who was called? By whom? Date: Additional Comments:

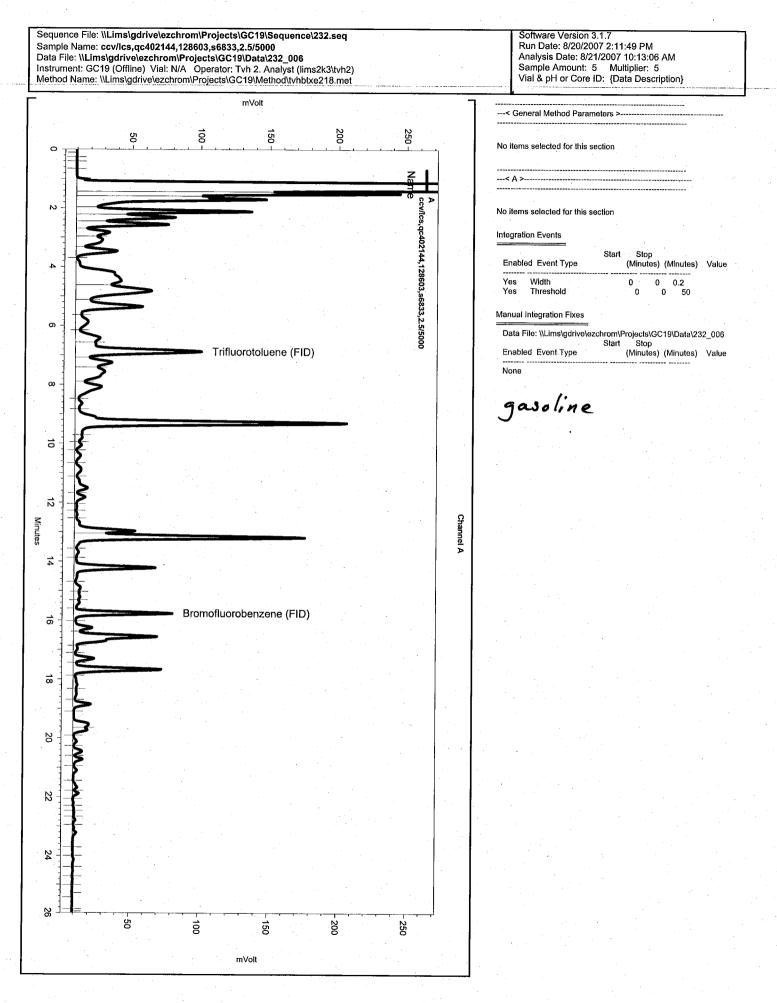
Filename: F:\qc\forms\qc\cooler.doc



Lab #: Client: Project#: Matrix: Units: Diln Fac:	196922 Geomatrix Co 11037.001 Water ug/L 1.000		ile Hydrocarf Location: Prep: Analysis: Sampled: Received:	Sebanc-Alamec EPA 5030B EPA 8015B 08/16/07 08/17/07	la
Field ID: Type: Lab ID:	EB-1-081607 SAMPLE 196922-028		Batch#: Analyzed:	128662 08/22/07	
Ai Gasoline C7-0	nalyte Cl2	Result 7,000		RL 50	
Su: Trifluorotolu Bromofluorobe	<b>rrogate</b> Jene (FID) Enzene (FID)	%REC         Limits           133         72-136           130         78-131	5		
Field ID: Type: Lab ID:	EB-4-081607 SAMPLE 196922-030		Batch#: Analyzed:	128603 08/21/07	
An Gasoline C7-0	n <mark>alyte</mark> C12	Result ND		<b>RL</b> 50	
Sui Trifluorotolu Bromofluorobe	r <b>rogate</b> lene (FID) enzene (FID)	<b>%REC L1mits</b> 119 72-136 126 78-131	)		
Type: Lab ID:	BLANK QC402142		Batch#: Analyzed:	128603 08/20/07	•
Ar Gasoline C7-C	alyte 12	Result ND		RL 50	
Sur Trifluorotolu Bromofluorobe	r <b>rogate</b> lene (FID) enzene (FID)	%REC         Limits           94         72-136           92         78-131			
Type: Lab ID:	BLANK QC402434		Batch#: Analyzed:	128662 08/21/07	
An Gasoline C7-C	lalyte	Result ND		RL 50	
00000000000					

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





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.



Bromofluorobenzene (FID)

Lab #:	196922	Location:	Seha	nc-Alame	-da	
Client:	Geomatrix Consultants	Prep:		5030B	cuu	
Project#:	11037.001	Analysis:		8015B		
Type:	LCS	Diln Fac:	1.00	0	· · · · · · · · · · · · · · · · · · ·	
Lab ID:	QC402144	Batch#:	1286	03		
Matrix:	Water	Analyzed:	08/2	0/07		
Units:	ug/L	······································			· · · · · · · · · · · · · · · · · · ·	
Ar	alyte Spike	d Re	511315	%RE(	2 Limits	
Gasoline C7-C			908.3	91	80-120	

103

78-131



	Total Vola	tile Hydrocarbo	Suc
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC402435	Batch#:	128662
Matrix:	Water	Analyzed:	08/21/07
Units:	ug/L	-	
·····			

 Analyte
 Spiked
 Result
 %REC
 Limits

 Gasoline C7-C12
 2,000
 1,937
 97
 80-120

Surrogate	%REC	Limits	
Trifluorotoluene (FID)	121	72-136	
Bromofluorobenzene (FID)	118	78-131	



<u>Dacon de rep</u> e	<u>) 1 C</u>						
		Tota:	l Volati	le Hydrocarb	ons		
Lab #:	196922			Location:	Sebanc-Alamed	la	
Client:	Geomatrix Co	nsultar	nts	Prep:	EPA 5030B		
Project#:	11037.001			Analysis:	EPA 8015B		
Field ID:	ZZZZZZZZZZ			Diln Fac:	1.000		
MSS Lab ID:	196923-001			Batch#:	128603		
Matrix:	Water			Sampled:	08/14/07		
Únits:	ug/L			Received:	08/17/07		
Type: Lab ID:	MS QC402145			Analyzed:	08/20/07		
Anal	yte	MSS F	lesult	Spiked	Result	%REC	Limits
Gasoline C7-C1	2		22.18	2,000	1,857	92	79-120
Surr Trifluorotolue Bromofluoroben		%REC 128 130	Limits 72-136 78-131				
Type: Lab ID:	MSD QC402146			Analyzed:	08/21/07		
	lyte		Spiked	Res	sult %REC	Limits	RPD Lim
Gasoline C7-C1	2		2,000	1,6	502 79	79-120	15 20
	ogate	%REC	' Limits				
Trifluorotolue		132	72-136				
Bromofluoroben	zene (FID)	129	78-131				



	Total Volatil	e Hydrocarbons	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZ	Batch#:	128662
MSS Lab ID:	197021-001	Sampled:	08/20/07
Matrix:	Water	Received:	08/21/07
Units:	ug/L	Analyzed:	08/21/07
Diln Fac:	1.000		

Type: MS			Lab ID:	QC402	2436		
Analyte		lesult	Spike	·····	Result	%REC	
Gasoline C7-C12		22.83	2,000		1,568	77 *	79-120
Surrogate	%REC	Limits					
Trifluorotoluene (FID)	105	72-136					
Bromofluorobenzene (FID)	107	78-131					
Type: MSD			Lab ID:	OC402	2437		
				~			
Analyte		Spiked		Result	%REC	Limits	RPD Lim
Analyte Gasoline C7-C12		Spiked 2,000		Result 1,481		<b>Limits</b> 79-120	RPD Lim 6 20
	%REC	2,000			%REC		
Gasoline C7-C12	%REC 114	2,000			%REC		

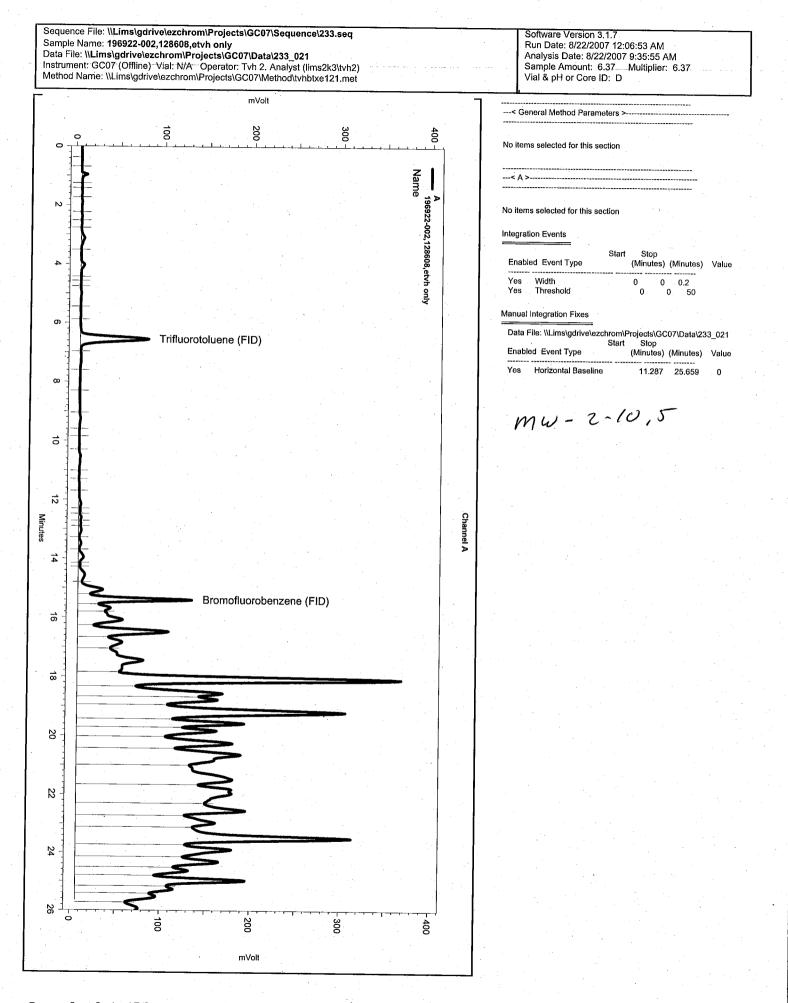
\*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference
Page 1 of 1

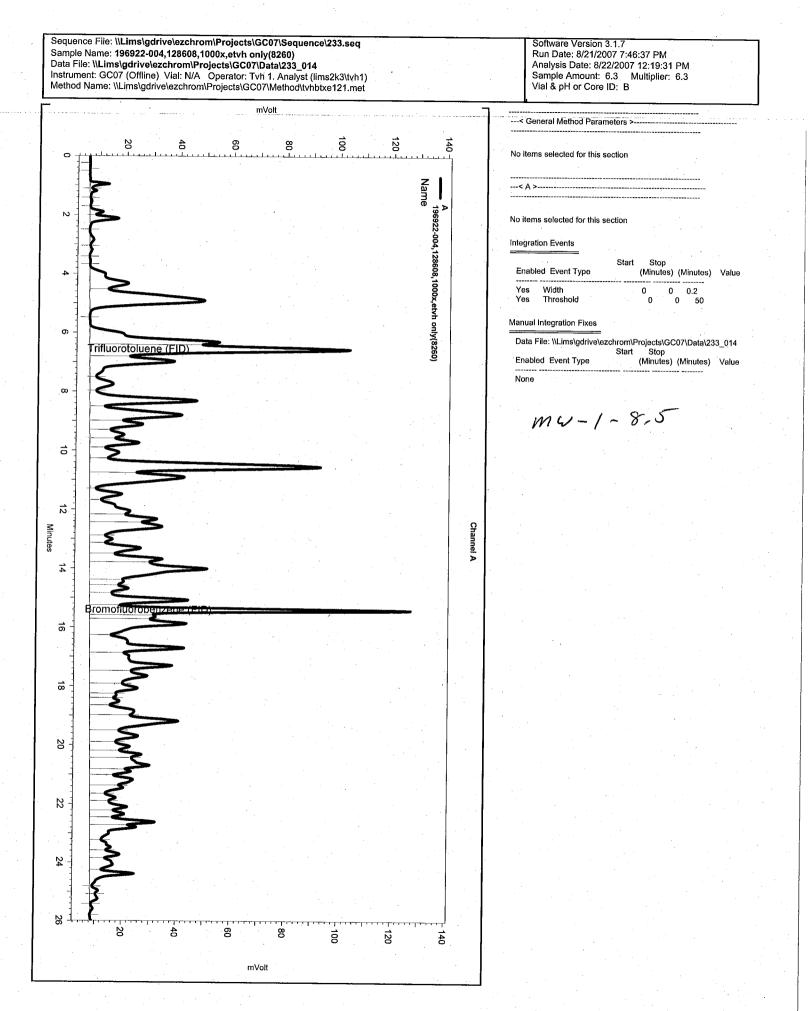
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		a1	1 00	/### (FADE		1
		Gasoline	e by GC	/FID (5035	Prer	
Lab #: Client:	196922 Geomatrix Co	ngultante		Location: Prep:		Sebanc-Alameda EPA 5035
Project#:	11037.001	Jugarcanes		Analysis:		EPA 8015B
Matrix:	Soil			Basis:		as received
Units:	mg/Kg			Received:	,	08/17/07
Field ID:	MW-2-10.5			Batch#:		128608
Туре:	SAMPLE			Sampled:		08/15/07
Lab ID:	196922-002			Analyzed:		08/22/07
Diln Fac:	1.000					
Ans Gasoline C7-C1	llyte	R	<b>esult</b> 5.0 H	v 7	RL	
······································				<u> </u>	0.1	18
Surr Trifluorotolue	ogate		<b>Limits</b> 70-132			
Bromofluorober			70-132 66-138			
				· .·		,,,,,,,
Field ID:	MW-1-8.5			Batch#:		128608
Type:	SAMPLE			Sampled:		08/15/07
Lab ID: Diln Fac:	196922-004 1,000			Analyzed:		08/21/07
		<u> </u>				
Ana Gasoline C7-C1	i <b>lyte</b> 2		esult ,600 ດັ		<b>RL</b> 160	
			· · · · · · · · · · · · · · · · · · ·			
Trifluorotolue	ogate		<b>Limits</b> 70-132			
Bromofluoroben	izene (FID)		66-138			
					-	
Field ID: Type:	MW-1-12.0 SAMPLE			Batch#: Sampled:		128608 08/15/07
Lab ID:	196922-005			Analyzed:		08/22/07
Diln Fac:	1.000					
Ana	lyte	R	esult		RL	
Gasoline C7-C1	.2	· · · · · · · · · · · · · · · · · · ·	2.4 🕽	······	0.1	15
Surr	ogate		Limits			
Trifluorotolue			70-132			
Bromofluoroben	rsene (LTD)	132 0	66-138			

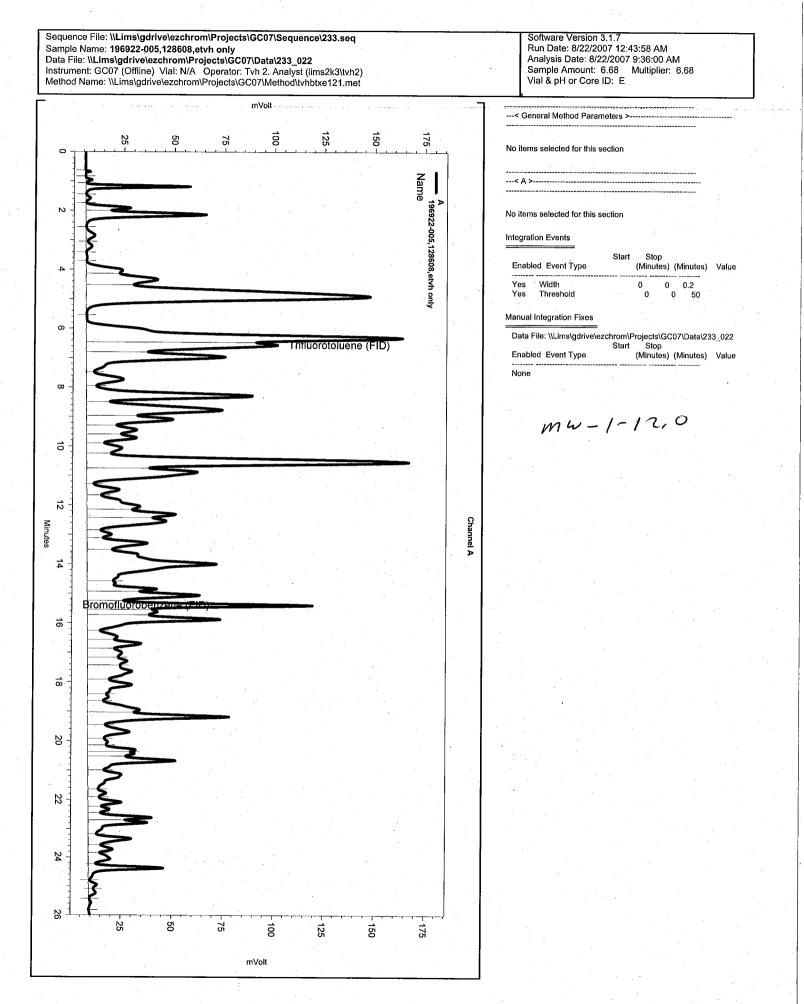
\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 1 of 8

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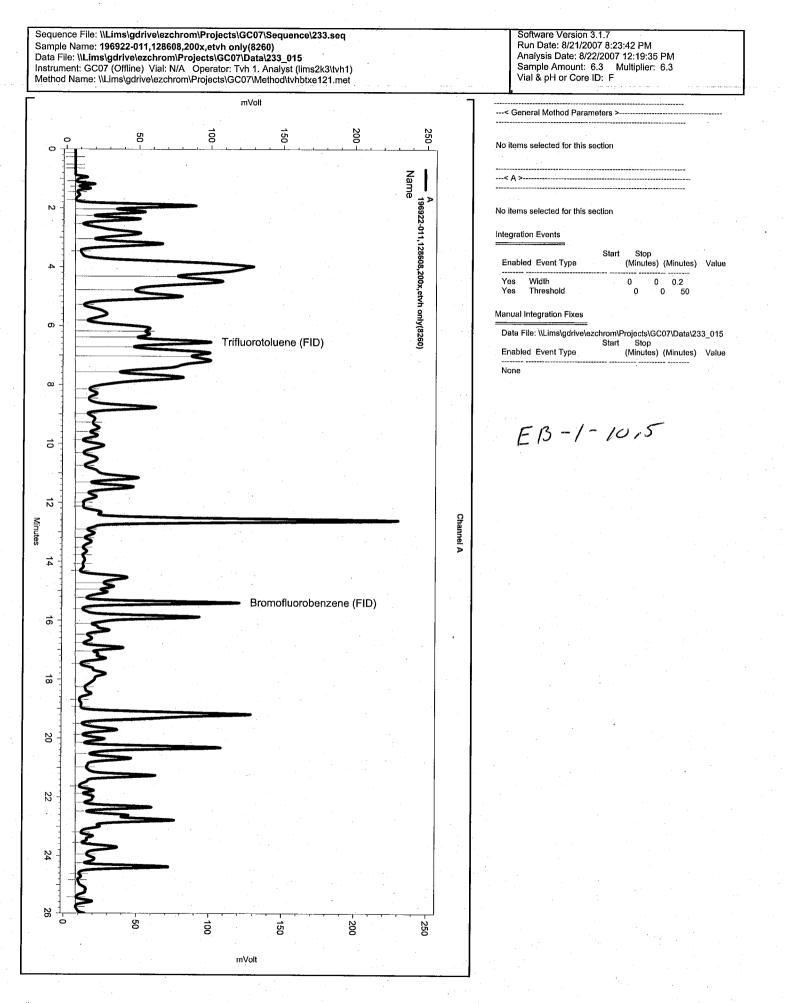
Page 2 of 4 (80) Curtis & Tompkins Ltd.

1. A.



		Gasoli	ne by G(	C/FID (5035	Pre	p)
Lab #:	196922	_		Location:		Sebanc-Alameda
Client:	Geomatrix Co	nsultant	s	Prep:		EPA 5035
Project#:	11037.001			<u>Analysis:</u>	<u></u>	EPA 8015B
Matrix:	Soil			Basis:		as received
Units:	mg/Kg			Received:		08/17/07
Field ID:	MW-1-14.5			Batch#:		128608
Type:	SAMPLE			Sampled:		08/15/07
Lab ID:	196922-006			Analyzed:		08/22/07
Diln Fac:	1.000					
Ana	alyte		Result		RL	
Gasoline C7-C	L2	NI	)		0.	16
Sates	cogate	%REC				
Trifluorotolue		71	70-132			
Bromofluorober		97	66-138			
Field ID:	MW-1-3.0			Batch#:		128608
Type:	SAMPLE			Sampled:		08/15/07
Lab ID:	196922-007			Analyzed:		08/22/07
Diln Fac:	1.000			illiar j boa.		00/22/0/
	ilyte		2. Setter 1446. Br 150000000			
Gasoline C7-C1			Result			18
Sur: Trifluorotolue	cogate					
Bromofluorober		57 * 90	70-132 66-138			
BIOMOTIDOIODEI		90	00-130			
Field ID:	EB-1-10.5			Batch#:		128608
Type:	SAMPLE			Sampled:		08/16/07
Lab ID:	196922-011			Analyzed:		08/21/07
Diln Fac:	200.0			mary zea.		00/21/0/
	ilyte					
Gasoline C7-C1			470		<u>к</u> ы 32	
	ogate	8REC				
Trifluorotolue Bromofluorober		128	70-132	•		
т вгопот ноторет	izene (FID)	115	66-138			

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 2 of 8

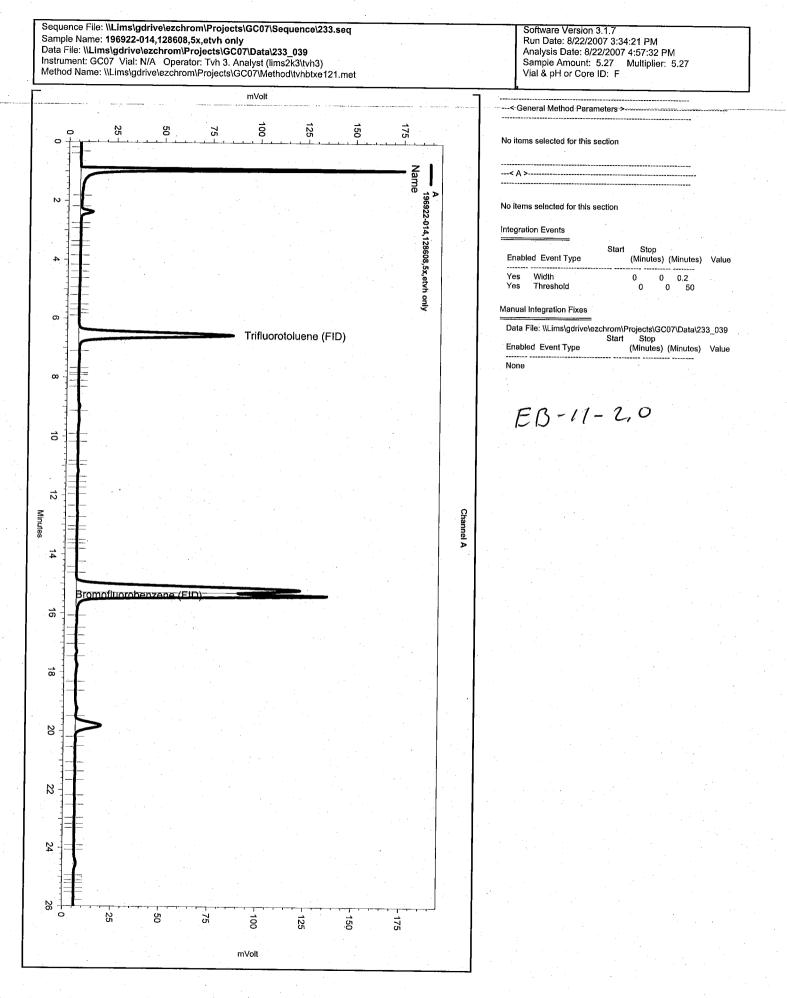


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Lab #: Client: Project#: Matrix: Units:	196922 Geomatrix Co 11037.001 Soil mg/Kg			C/FID (5035 F Location: Prep: Analysis: Basis: Received:	Prep) Sebanc-Alameda EPA 5035 EPA 8015B as received 08/17/07
Field ID: Type: Lab ID: Diln Fac: Ana	EB-1-14.0 SAMPLE 196922-012 5.000 Vte		Result	Batch#: Sampled: Analyzed: R	128608 08/16/07 08/22/07
Gasoline C7-C12		ND %REC	)		0.82
Trifluorotoluer Bromofluoroben:	ne (FID)	82 108	70-132 66-138		
Field ID: Type: Lab ID: Diln Fac:	EB-10-2.0 SAMPLE 196922-013 5.000			Batch#: Sampled: Analyzed:	128608 08/16/07 08/22/07
Ana Gasoline C7-C12	yte	ND		R	1.5
Surre Trifluorotoluer Bromofluorobenz	le (FID)	87 110	Limits 70-132 66-138		
Field ID: Type: Lab ID: Diln Fac:	EB-11-2.0 SAMPLE 196922-014 5.000			Batch#: Sampled: Analyzed:	128608 08/16/07 08/22/07
Anal Gasoline C7-C12	yte	<1.2 y	Result 1.2 Y	R.	0.95
Surro Trifluorotoluen Bromofluorobenz		<b>%REC</b> 93 146 *	<b>Limits</b> 70-132 66-138		

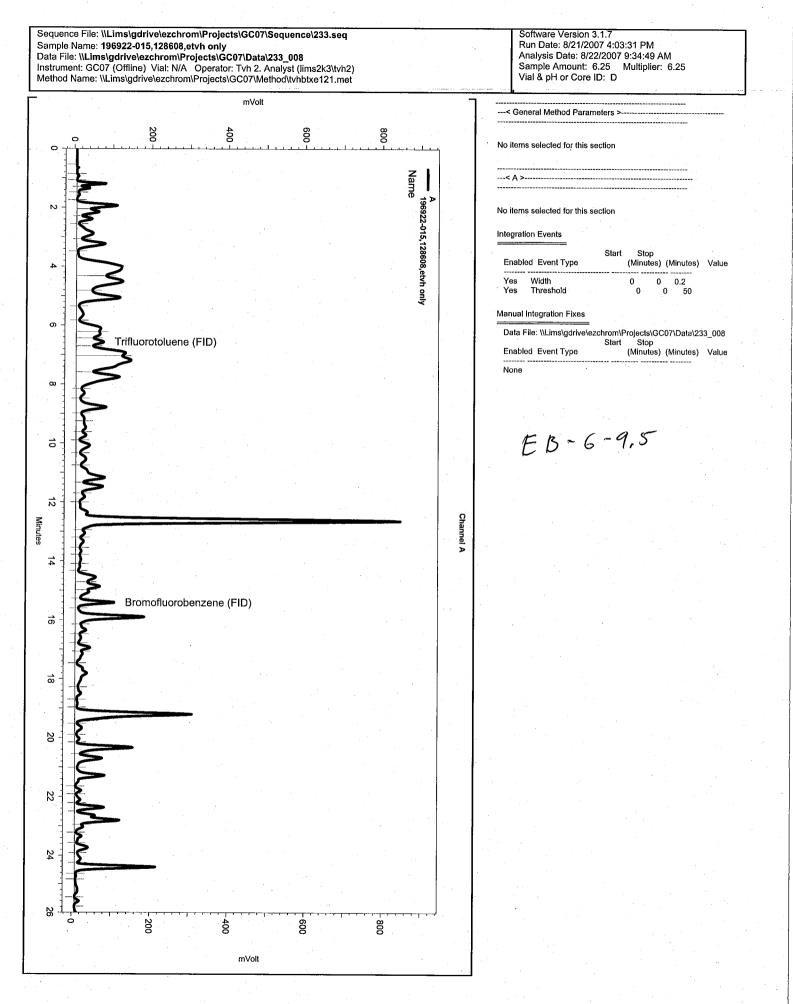
\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 3 of 8





Lab #:	196922	Gasoline by (	SC/FID (5035 F	rep) Sebanc-Alameda
Client:	Geomatrix Co	onsultants	Prep:	EPA 5035
Project#:	11037.001		<u>Analysis:</u>	EPA 8015B
Matrix: Units:	Soil mq/Kq		Basis: Received:	as received
[ UNICS:	IIIQ7 KQ		Received:	08/17/07
Field ID:	EB-6-9.5		Batch#:	128608
Type:	SAMPLE		Sampled:	08/16/07
Lab ID: Diln Fac:	196922-015 1.000		Analyzed:	08/21/07
Dim Pac.	1.000			
An: Gasoline C7-C1	alyte		R	
Gasorine C/-C	L2	4.3		0.16
Suri	ogate	%REC Limits		
Trifluorotolue Bromofluorober	ene (FID)	92 70-132		
BIOMOTIUOTODEI	Izene (FID)	108 66-138		
Field ID:				
Type:	EB-6-14.0 SAMPLE		Batch#: Sampled:	128609 08/16/07
Lab ID:	196922-016		Analyzed:	08/20/07
			imarleoa.	00/20/01
Diln Fac:	1.000			
	ilyte	Result ND	R	<b>L</b> 0.18
And Gasoline C7-C1	lyte 12	ND		
And Gasoline C7-C1 Surr	lyte 12 rogate	ND %REC Limits		
And Gasoline C7-C1 Suri Trifluorotolue	lyte 12 cogate ene (FID)	ND %REC Limits 118 70-132		
And Gasoline C7-C1 Surr	lyte 12 cogate ene (FID)	ND %REC Limits		
And Gasoline C7-C1 Suri Trifluorotolue	lyte 12 cogate ene (FID)	ND %REC Limits 118 70-132		
And Gasoline C7-C1 Suri Trifluorotolue	lyte 12 cogate ene (FID)	ND %REC Limits 118 70-132		0.18
And Gasoline C7-C1 Surr Trifluorotolue Bromofluorober	ilyte 2 ogate ene (FID) izene (FID)	ND %REC Limits 118 70-132		0.18
And Gasoline C7-C1 Surr Trifluorotolue Bromofluorober Field ID: Type: Lab ID:	ilyte 12 ne (FID) 12ene (FID) EB-4-10.2 SAMPLE 196922-017	ND %REC Limits 118 70-132	Batch#:	0.18
And Gasoline C7-C1 Surr Trifluorotolue Bromofluorober Field ID: Type:	ilyte 12 cogate pne (FID) 12ene (FID) EB-4-10.2 SAMPLE	ND %REC Limits 118 70-132	Batch#: Sampled:	0.18 128608 08/16/07
And Gasoline C7-C1 Surf Trifluorotolue Bromofluorober Field ID: Type: Lab ID: Diln Fac:	ilyte iggate ene (FID) izene (FID) EB-4-10.2 SAMPLE 196922-017 1.000 ilyte	ND %REC Limits 118 70-132	Batch#: Sampled: Analyzed:	0.18 128608 08/16/07
And Gasoline C7-C1 Suri Trifluorotolue Bromofluorober Field ID: Type: Lab ID: Diln Fac:	ilyte iggate ene (FID) izene (FID) EB-4-10.2 SAMPLE 196922-017 1.000 ilyte	ND %REC Limits 118 70-132 151 * 66-138	Batch#: Sampled: Analyzed:	0.18 128608 08/16/07 08/22/07
And Gasoline C7-C1 Surr Trifluorotolue Bromofluorober Field ID: Type: Lab ID: Diln Fac: And Gasoline C7-C1	L2 ogate ene (FID) lzene (FID) EB-4-10.2 SAMPLE 196922-017 1.000 Lyte 2	ND %REC Limits 118 70-132 151 * 66-138 Result ND UJ	Batch#: Sampled: Analyzed: B	0.18 128608 08/16/07 08/22/07
And Gasoline C7-C1 Surr Trifluorotolue Bromofluorober Field ID: Type: Lab ID: Diln Fac: And Gasoline C7-C1	ilyte 2 cogate ene (FID) 1zene (FID) EB-4-10.2 SAMPLE 196922-017 1.000 Lyte 2 cogate ene (FID)	ND %REC Limits 118 70-132 151 * 66-138 Result	Batch#: Sampled: Analyzed: B	0.18 128608 08/16/07 08/22/07

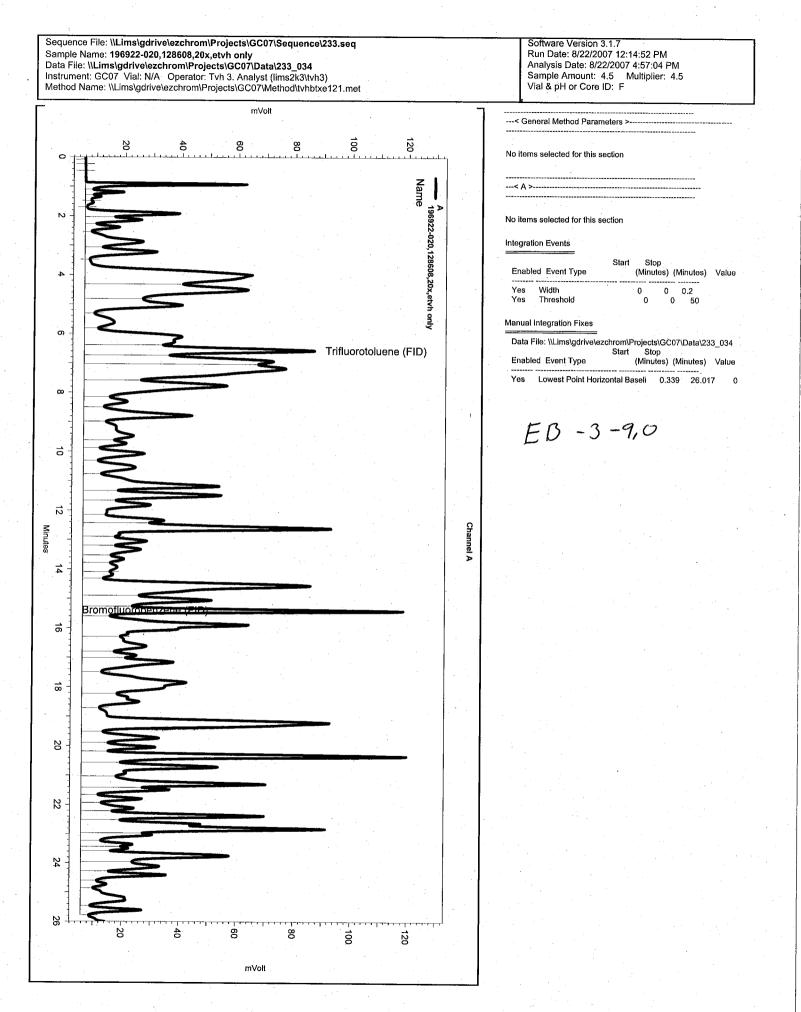
\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 4 of 8





		Gasoline by G		Prep)
Lab #:	196922 Geometrain Ge		Location:	Sebanc-Alameda
Client: Project#:	Geomatrix Co 11037.001	nsultants	Prep: Analysis:	EPA 5035 EPA 8015B
Matrix:	Soil		Basis:	as received
Units:	mg/Kg	<u></u>	Received:	08/17/07
Field ID: Type:	EB-4-6.5 SAMPLE		Batch#: Sampled:	128609 08/16/07
Lab ID:	196922-018		Analyzed:	08/20/07
Diln Fac:	1.000		1	
An	alvte	Result		2L
Gasoline C7-C	12	ND		0.19
Sur	rogate	REC TO INCOM		
Trifluorotolu	ene (FID)	109 70-132		
Bromofluorobe	nzene (FID)	143 * 66-138		······
Field ID: Type: Lab ID: Diln Fac:	EB-4-13.0 SAMPLE 196922-019 1.000	·	Batch#: Sampled: Analyzed:	128609 08/16/07 08/21/07
An Gasoline C7-C	alyte	Result ND	<u> </u>	1L 0.16
				0.18
Sur Trifluorotolu	rogate	%REC         Limits           108         70-132		
Bromofluorobe		148 * 66-138		
·····				
Field ID:	EB-3-9.0		Batch#:	128608
Type: Lab ID:	SAMPLE 196922-020		Sampled: Analyzed:	08/16/07 08/22/07
Diln Fac:	20.00			00,22,01
An Gasoline C7-C	alyte 12	Result 68	<b>1</b>	4.4
Sur	rogate	%REC Limits		
Trifluorotolu	ene (FID)	108 70-132		
I Bromofluorobei	nzene (FID)	122 66-138		

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 5 of 8



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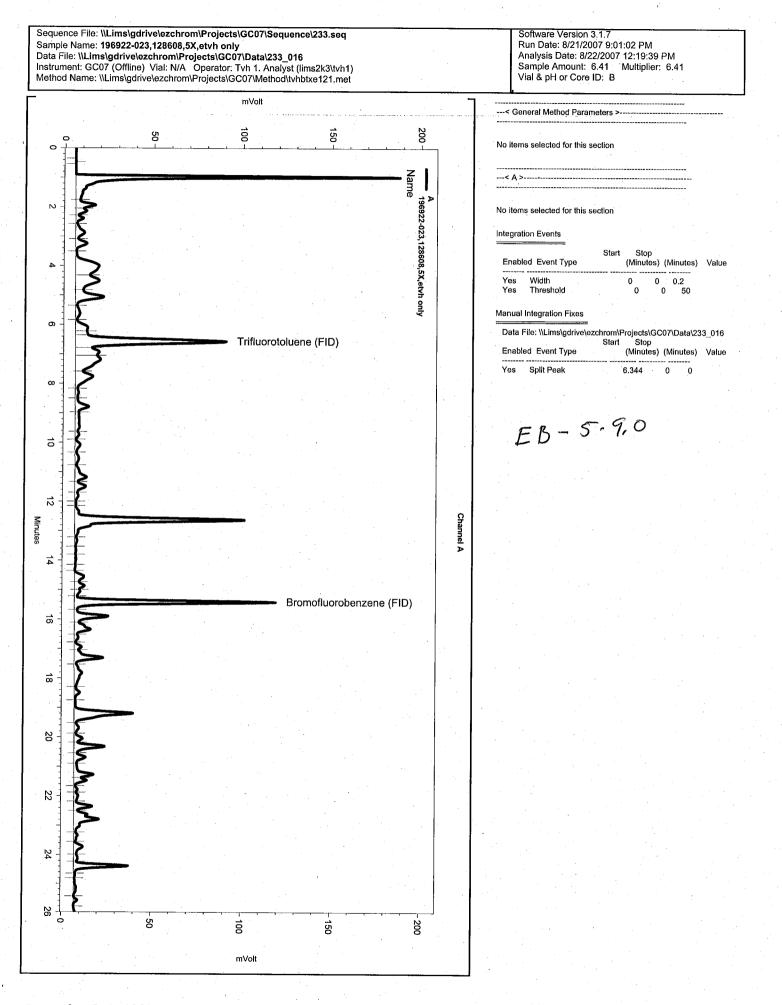
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Lab #: Client: <u>Project#:</u> Matrix:	196922 Geomatrix 11037.001 Soil			C/FID (5035 Location: Prep: Analysis: Basis:	Prep) Sebanc-Alamed EPA 5035 EPA 8015B as received	la
Units:	mg/Kg			Received:	08/17/07	
Field ID: Type:	EB-3-11.8 SAMPLE			Batch#: Sampled:	128609 08/16/07	
Lab ID: Diln Fac:	196922-021 1.000			Analyzed:	08/21/07	
Ana Gasoline C7-C1	lyte 2	NI			RL 0.18	
Surr		*REC	Limits			
Trifluorotolue		103	70-132			
Bromofluoroben		146 *	66-138			
Field ID:	EB-5-2.5			Batch#:	100600	
Type:	SAMPLE			Sampled:	128609 08/16/07	
Lab ID:	196922-022			Analyzed:	08/21/07	
Diln Fac:	1.000		а.	. –		
Ana						
Gasoline C7-C1	2	NI	)		0.18	
	ogate	%REC	Limits			
Trifluorotolue		103	70-132			
Bromofluoroben	zene (FID)	118	66-138			· · · · · · · · · · · · · · · · · · ·
Field ID:	EB-5-9.0			Batch#:	128608	
Type:	SAMPLE			Sampled:	08/16/07	
Lab ID: Diln Fac:	196922-023			Analyzed:	08/21/07	
DIII FaC:	5.000		)			
Ana Ana	lyte		Result		RL	
Gasoline C7-C12	4		2.4		0.78	
	ogate		Limits			
Trifluorotoluer Bromofluoroben		100 109	70-132 66-138			
L Promorraoropeus	VEIIG (LTD)	T03	00-138			

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 6 of 8

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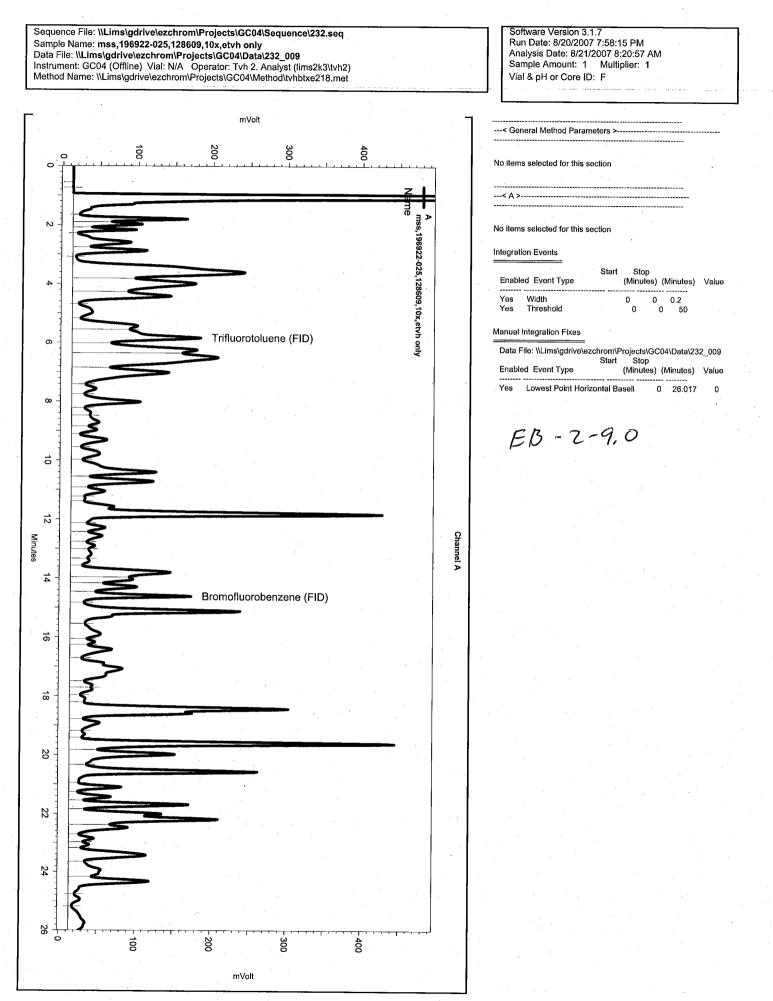


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Lab #: Client: Project#: Matrix: Units:	196922 Geomatrix C 11037.001 Soil mg/Kg			Z/FID (5035 P Location: Prep: Analysis: Basis: Received:	rep) Sebanc-Alameda EPA 5035 EPA 8015B as received 08/17/07
Field ID: Type: Lab ID: Diln Fac:	EB-5-12.5 SAMPLE 196922-024 5.000			Batch#: Sampled: Analyzed:	128608 08/16/07 08/21/07
Anal Gasoline C7-C12	yte	R ND	esult	RI	1.1
Surro Trifluorotoluen Bromofluorobenz	e (FID)	%REC 99 105	Limits 70-132 66-138		
Field ID: Type: Lab ID: Diln Fac:	EB-2-9.0 SAMPLE 196922-025 10.00			Batch#: Sampled: Analyzed:	128609 08/16/07 08/20/07
Anal Gasoline C7-C12		R	$\frac{\text{esult}}{24 \mathcal{T}}$	RI	2.0
Surrc Trifluorotoluen Bromofluorobenz	e (FID)	169 *	<b>Limits</b> 70-132 66-138		
Field ID: Type: Lab ID: Diln Fac:	EB-2-13 SAMPLE 196922-026 1.000			Batch#: Sampled: Analyzed:	128609 08/16/07 08/21/07
Anal Gasoline C7-C12		R ND	esult	RL	0.15
Surro Trifluorotoluen Bromofluorobenz	e (FID)	113	<b>Limits</b> 70-132 66-138		

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 7 of 8



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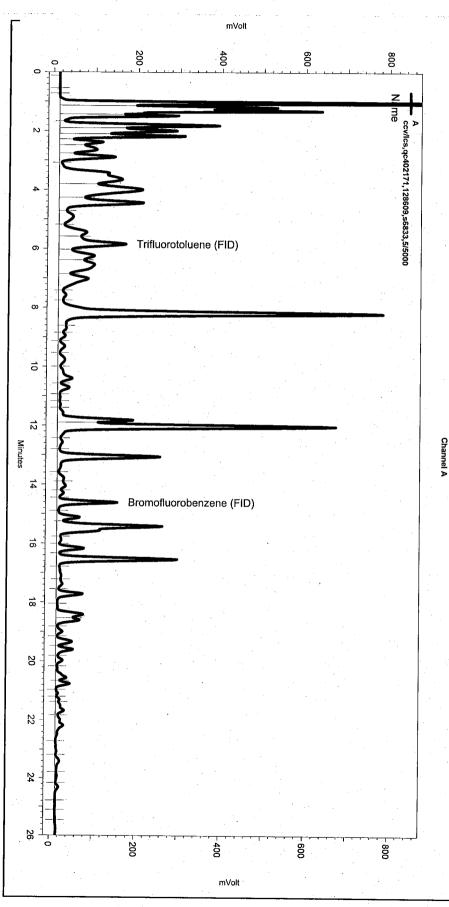
· · ·



		Gasolin	e by G(	C/FID (5035	Prep)
Lab #:	196922			Location:	Sebanc-Alameda
Client: Project#:	Geomatrix C 11037.001	onsultants	5	Prep: Analysis:	EPA 5035 EPA 8015B
Matrix:	Soil		· · · · · · · · · · · · · · · · · · ·	Basis:	as received
Units:	mg/Kg			Received:	08/17/07
Field ID:	TB-081607			Batch#:	12200
Type:	SAMPLE			Sampled:	128609 08/16/07
Lab ID:	196922-027			Analyzed:	08/21/07
Diln Fac:	1.000				
Ana	lyte		Result		RL
Gasoline C7-C1:	2	ND		· · · · · · · · · · · · · · · · · · ·	0.20
Surre Trifluorotoluer	ogate		Limits		
Bromofluoroben		90 133	70-132 66-138		
Diomorruoropen			00-130		
Type:	BLANK			Batch#:	128608
Lab ID:	QC402166			Analyzed:	08/21/07
Diln Fac:	1.000				
	lyte		lesult		RL
Gasoline C7-C12	2	ND		<u></u>	0.20
Surro Trifluorotoluer	ogate				
Bromofluorobenz		95 103	70-132 66-138		
			<u> </u>		· · · · · · · · · · · · · · · · · · ·
Type:	BLANK			Batch#:	128609
Lab ID:	QC402170			Analyzed:	08/20/07
Diln Fac:	1.000				
Ana	<u>Lyte</u>		espile		RL
Gasoline C7-C12	2	ND			0.20
Surro			Limits		
Trifluorotoluer Bromofluorobenz	ne (FID)	93 104	70-132 66-138		
L DI OMOLI UDI ODEII2	Selle (FID)	104	00.120		

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard Z= Sample exhibits unknown single peak or peaks ND= Not Detected RL= Reporting Limit Page 8 of 8 Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\232.seq Sample Name: ccv/lcs,qc402171,128609,s6833,5/5000 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\232\_003 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2) Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe218.met

Software Version 3.1.7 Run Date: 8/20/2007 10:25:51 AM Analysis Date: 8/21/2007 8:20:34 AM Sample Amount: 1 Multiplier: 1 Vial & pH or Core ID: {Data Description}



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*	
< General Method Paran	neters >
No items selected for this s	ection
< A >	
No items selected for this s	
Integration Events	
Enabled Event Type	Start Stop (Minutes) (Minutes) Value
Yes Width Yes Threshold	0 0 0.2 0 0 50
Manual Integration Fixes	
Data File: \\Lims\gdrive\e;	zchrom\Projects\GC04\Data\232_003 Start Stop
Enabled Event Type	(Minutes) (Minutes) Value
None	

gasoline



	Gasoline by	GC/FID (5035 #	vrep)
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5035
Project#:	11037.001	Analysis:	EPA 8015B
Туре:	LCS	Basis:	as received
Lab ID:	QC402167	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128608
Units:	mg/Kg	Analyzed:	08/21/07

 Analyte
 Spiked
 Result
 %REC
 Limits

 Gasoline C7-C12
 10.00
 9.945
 99
 80-120

Surrogate	%RE(	C Limits	
Trifluorotoluene (FID)	104	70-132	
Bromofluorobenzene (FID)	107	66-138	



Lab #:	196922	Location:	Seba	nc-Alame	eda
Client:	Geomatrix Consultants	Prep:	EPA 5035		
Project#:	11037.001	Analysis:	EPA	8015B	
Туре:	LCS	Basis:	as r	eceived	
Lab ID:	QC402171	Diln Fac:	1.00	0	
Matrix:	Soil	Batch#:	1286	09	
Units:	mg/Kg	Analyzed:	08/2	0/07	
An	alyte Spike	d Res	sult	%REC	Limits
Gasoline C7-C	10	.00	9.085	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133 *	70-132
Bromofluorobenzene (FID)	110	66-138

\*= Value outside of QC limits; see narrative
Page 1 of 1



	51.0	Gasoli	ne by GC	/FID (5035	Prep)			
Lab #:	196922			Location:	Seba	nc-Alame	da	
Client:	Geomatrix Co:	nsultan	ts	Prep:	EPA	5035		
Project#:	11037.001			Analysis:	EPA	8015B		
Field ID:	EB-5-12.5			Diln Fac:	5.00	0		
MSS Lab ID:	196922-024			Batch#:	1286	08		
Matrix:	Soil			Sampled:	08/1	6/07		
Units:	mg/Kg			Received:	08/1	7/07		
Basis:	as received			Analyzed:	08/2	1/07		
Type: Anal Gasoline C7-C1		MSS R	<b>esult</b> 0.1314	Lab ID: Spiked 11.24	QC40	2168 Result 9.926	% <b>RE</b> C	Limits 36-120
Surr	ogate	%REC	Limits					
Trifluorotolue	ne (FID)	98	70-132					
Bromofluoroben	zene (FID)	100	66-138					
						<u></u>		
Type:	MSD			Lab ID:	QC40	2169		
Ana	lyte		Spiked	Re	esult	%REC	Limits	RPD Lim
Gasoline C7-C1	2		11.24		10.71	94	36-120	8 29
	ogate	%REC						
Trifluorotolue		107	70-132					
Bromofluoroben	zene (FID)	103	66-138					



Gasc	line by GC	/FID (5035 F	rep)			
196922		Location:	Sebanc-J	Alameda		
Geomatrix Consult	ants	Prep:	EPA 503.	5		
11037.001		Analysis:	EPA 801.	5B		
EB-2-9.0		Diln Fac:	10.00			
196922-025		Batch#:	128609			
Soil		Sampled:	08/16/0	7		
mg/Kg		Received:	08/17/0	7		
as received		Analyzed:	08/20/0	7		
S		Lab ID:	QC40217	2		
MC	. Docule	Que i tre d	Dor	·1+	\$P70	Limits
EAC'S			*****	******************************		36-120
	29.02	19.70	······			50 120
te %1	EC Limits					
(FID) 149						
e (FID) 154						
e (FID) 154						
		Lab ID:	QC40217	3		
e (FID) 154			QC40217 ult	%REC Lin		RPD Lim
e (FID) 154 SD	4 * 66-138		- ult	%REC Lin		RPD Lim 0 29
e (FID) 154 SD e	4 * 66-138 Spiked 19.76		- ult	%REC Lin		
e (FID) 154 SD e	4 * 66-138 Spiked 19.76 REC Limits		- ult	%REC Lin		
	Geomatrix Consult 11037.001 EB-2-9.0 196922-025 Soil mg/Kg as received S MSS MSS	Geomatrix Consultants 11037.001 EB-2-9.0 196922-025 Soil mg/Kg as received S MSS Result 23.82 te %REC Limits	Geomatrix ConsultantsPrep:11037.001Analysis:EB-2-9.0Diln Fac:196922-025Batch#:SoilSampled:mg/KgReceived:as receivedAnalyzed:SLab ID:MSS ResultSpiked23.8219.76	Geomatrix Consultants         Prep:         EPA 503           11037.001         Analysis:         EPA 801           EB-2-9.0         Diln Fac:         10.00           196922-025         Batch#:         128609           Soil         Sampled:         08/16/0'           mg/Kg         Received:         08/17/0'           as received         Analyzed:         08/20/0'           S         Lab ID:         QC40217:           MSS Result         Spiked         Reside           23.82         19.76         4:	Geomatrix Consultants         Prep:         EPA 5035           11037.001         Analysis:         EPA 8015B           EB-2-9.0         Diln Fac:         10.00           196922-025         Batch#:         128609           Soil         Sampled:         08/16/07           mg/Kg         Received:         08/17/07           as received         Analyzed:         08/20/07           S         Lab ID:         QC402172           MSS Result         Spiked         Result           23.82         19.76         42.26           te         %REC Limits         State	Geomatrix Consultants       Prep:       EPA 5035         11037.001       Analysis:       EPA 8015B         EB-2-9.0       Diln Fac:       10.00         196922-025       Batch#:       128609         Soil       Sampled:       08/16/07         mg/Kg       Received:       08/17/07         as received       Analyzed:       08/20/07         S       Lab ID:       QC402172         MSS Result       Spiked       Result %REC         23.82       19.76       42.26       93

\*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference
Page 1 of 1



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-1-081607	Batch#:	128643
Lab ID:	196922-028	Sampled:	08/16/07
Matrix:	Water	Received:	08/17/07
Units:	ug/L	Analyzed:	08/21/07
Diln Fac:	10.00	2	

Analyte	Result	RL	
tert-Butyl Alcohol (TBA)	ND	100	
MTBE	ND	5.0	
Isopropyl Ether (DIPE)	ND	5.0	
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	
1,2-Dichloroethane	ND	5.0	
Benzene	980	5.0	
Methyl tert-Amyl Ether (TAME)	ND	5.0	
Toluene	11	5.0	
1,2-Dibromoethane	ND	5.0	
Ethylbenzene	490	5.0	
m,p-Xylenes	19	5.0	
o-Xylene	ND	5.0	

ourrogate	REC	LIMICS	
Dibromofluoromethane	101	80-123	
1,2-Dichloroethane-d4	104	79-134	,
Toluene-d8	99	80-120	
Bromofluorobenzene	101	80-122	



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-4-081607	Batch#:	128643
Lab ID:	196922-030	Sampled:	08/16/07
Matrix:	Water	Received:	08/17/07
Units:	ug/L	Analyzed:	08/21/07
Diln Fac:	1.000		00,21,0,

Analyte tert-Butyl Alcohol (TBA)	Result	RL
MTBE	ND	10
	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Surrogate	%REC Limits	
Dibromofluoromethane 1	03 80-123	

Bromofluorobenzene	100	80-122	
Toluene-d8	98	80-120	
1,2-Dichloroethane-d4	102	79-134	
Dibromofluoromethane	103	80-123	



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC402355	Batch#:	128643
Matrix:	Water	Analyzed:	08/21/07
Units:	ug/L		

Analyte	Rest	ilt RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Surrogate	%REC Lin	hits
Dibromofluoromethane	100 80-	123

1,2-Dichloroethane-d4 Toluene-d8	107	79-134	
Bromofluorobenzene	99 102	80-120 80-122	



	BTXE	& Oxygenates	
LaD #: Client: Project#:	196922 Geomatrix Consultants 11037.001	Location: Prep: Analysis:	Sebanc-Alameda EPA 5030B EPA 8260B
Matrix: Units: Diln Fac:	Water ug/L 1.000	Batch#: Analyzed:	128643 08/21/07

Type: BS		Lab ID:	QC40	2356	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAME) Toluene	Spiked 62.50 12.50 12.50 12.50 12.50 12.50 12.50 12.50 12.50 12.50	R	76.96 12.50 12.49 12.07 13.09 13.27 13.30 13.65	*REC 123 100 100 97 105 106 106 106	Limits 68-132 71-120 65-120 75-124 79-121 80-120 77-120 80-120
1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	12.50 12.50 25.00 12.50		13.91 13.67 28.08 13.82	111 109 112 111	80-120 80-124 80-127 80-124
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC         Limits           102         80-123           108         79-134           104         80-120           104         80-122				

Type:	BSD		Lab ID:	QC4 (	2357			
tert-Butyl A MTBE Isopropyl Et Ethyl tert-B 1,2-Dichloro Benzene Methyl tert- Toluene	her (DIPE) utyl Ether (ETBE) ethane Amyl Ether (TAME)	<b>Spiked</b> 62.50 12.50 12.50 12.50 12.50 12.50 12.50 12.50 12.50		Result 80.10 12.31 12.39 11.62 12.54 12.21 12.57 12.42	\$ <b>REC</b> 128 98 99 93 100 98 101 99	<b>Limits</b> 68-132 71-120 65-120 75-124 79-121 80-120 77-120 80-120	<b>RPD</b> 4 2 1 4 4 8 6 9	Liim 20 20 20 20 20 20 20 20 20
1,2-Dibromoe Ethylbenzene m,p-Xylenes o-Xylene		12.50 12.50 25.00 12.50		13.18 13.00 27.10 13.21	105 104 108 106	80-120 80-124 80-127 80-124	5 5 4 4	20 20 20 20 20
Su Dibromofluor 1,2-Dichloro Toluene-d8 Bromofluorob	ethane-d4	%REC         Limits           103         80-123           104         79-134           98         80-120           101         80-122						



	BTXE &	Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	MW-2-10.5	Diln Fac:	0.7937
Lab ID:	196922-002	Batch#:	128581
Matrix:	Soil	Sampled:	08/15/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	 RL	
tert-Butyl Alcohol (TBA)	ND	 79	202000
MTBE	ND	4.0	
Isopropyl Ether (DIPE)	ND	4.0	
Ethyl tert-Butyl Ether (ETBE)	ND	4.0	
1,2-Dichloroethane	ND	4.0	
Benzene	ND	4.0	
Methyl tert-Amyl Ether (TAME)	ND	4.0	
Toluene	ND	4.0	
1,2-Dibromoethane	ND	4.0	
Ethylbenzene	ND	4.0	
m,p-Xylenes	ND ·	4.0	
o-Xylene	ND	4.0	

Dibromofluoromethane10878-121,2-Dichloroethane-d413176-13Toluene-d89280-12	
Toluene-d8 92 80-12	
	5
Bromofluorobenzene 155 * 80-12	

\*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
Page 1 of 1



BTXE & Oxygenates						
Lab #:	196922	Location:	Sebanc-Alameda			
Client:	Geomatrix Consultants	Prep:	EPA 5030B			
Project#:	11037.001	Analysis:	EPA 8260B			
Field ID:	MW-1-8.5	Diln Fac:	396.8			
Lab ID:	196922-004	Batch#:	128788			
Matrix:	Soil	Sampled:	08/15/07			
Units:	ug/Kg	Received:	08/17/07			
Basis:	as received	Analyzed:	08/24/07			

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	40,000
MTBE	ND	2,000
Isopropyl Ether (DIPE)	ND	2,000
Ethyl tert-Butyl Ether (ETBE)	ND	2,000
1,2-Dichloroethane	ND	2,000
Benzene	ND	2,000
Methyl tert-Amyl Ether (TAME)	ND	2,000
Toluene	ND	2,000
1,2-Dibromoethane	ND	2,000
Ethylbenzene	ND	2,000
m,p-Xylenes	ND	2,000
o-Xylene	ND	2,000

Surrogate	%REC	Limits
Dibromofluoromethane	97	78-126
1,2-Dichloroethane-d4	123	76-135
Toluene-d8	95	80-120
Bromofluorobenzene	154 *	80-126
Trifluorotoluene (MeOH)	DO	58~142

\*= Value outside of QC limits; see narrative DO= Diluted Out ND= Not Detected RL= Reporting Limit Page 1 of 1



	BTXE & C	)xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	MW-1-12.0	Diln Fac:	0.7463
Lab ID:	196922-005	Batch#:	128581
Matrix:	Soil	Sampled:	08/15/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	75
MTBE	ND	3.7
Isopropyl Ether (DIPE)	ND	3.7
Ethyl tert-Butyl Ether (ETBE)	ND	3.7
1,2-Dichloroethane	ND	3.7
Benzene	ND	3.7
Methyl tert-Amyl Ether (TAME)	ND	3.7
Toluene	ND	3.7
1,2-Dibromoethane	ND	3.7
Ethylbenzene	ND	3.7
m,p-Xylenes	ND	3.7
o-Xylene	ND	3.7

Surrogate	%REC	2 Limits
Dibromofluoromethane	92	78-126
1,2-Dichloroethane-d4	120	76-135
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-126



	BTXE & O	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	MW-1-14.5	Diln Fac:	1.042
Lab ID:	196922-006	Batch#:	128581
Matrix:	Soil	Sampled:	08/15/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.2
Isopropyl Ether (DIPE)	ND	5.2
Ethyl tert-Butyl Ether (ETBE)	ND	5.2
1,2-Dichloroethane	ND	5.2
Benzene	ND	5.2
Methyl tert-Amyl Ether (TAME)	ND	5.2
Toluene	ND	5.2
1,2-Dibromoethane	ND	5.2
Ethylbenzene	ND	5.2
m,p-Xylenes	ND	5.2
o-Xylene	ND	5.2

Surrogate	%REC	Limits
Dibromofluoromethane	92	78-126
1,2-Dichloroethane-d4	106	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-126



	BIXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	MW-1-3.0	Diln Fac:	0.8475
Lab ID:	196922-007	Batch#:	128581
Matrix:	Soil	Sampled:	08/15/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07
	nalyte Result	R	۲L
tert-Butyl A	lcohol (TBA) ND		85
MTBE	ND		4.2
Isopropyl Eth	ner (DIPE) ND	$(A_{12},A_{12}$	4.2
Ethyl tert-Bu	ityl Ether (ETBE) ND		4.2
1 2-Dichloroe	athane ND		4 2

1,2-Dichloroethane	ND	4.2	
Benzene	ND	4.2	
Methyl tert-Amyl Ether (TAME)	ND	4.2	
Toluene	ND	4.2	
1,2-Dibromoethane	ND	4.2	
Ethylbenzene	ND	4.2	
m,p-Xylenes	ND	4.2	
o-Xylene	ND	4.2	

Surrogate	%REC	Limits
Dibromofluoromethane	98	78-126
1,2-Dichloroethane-d4	112	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-126



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-1-10.5	Diln Fac:	1,323
Lab ID:	196922-011	Batch#:	128788
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	130,000
MTBE	ND	6,600
Isopropyl Ether (DIPE)	ND	6,600
Ethyl tert-Butyl Ether (ETBE)	ND	6,600
1,2-Dichloroethane	ND	6,600
Benzene	ND	6,600
Methyl tert-Amyl Ether (TAME)	ND	6,600
Toluene	ND	6,600
1,2-Dibromoethane	ND	6,600
Ethylbenzene	100,000	6,600
m,p-Xylenes	ND	6,600
o-Xylene	ND	6,600

Surrogate	%REC	: Limits		
Dibromofluoromethane	100	78-126		
1,2-Dichloroethane-d4	102	76-135		
Toluene-d8	98	80-120		
Bromofluorobenzene	98	80-126		
Trifluorotoluene (MeOH)	DO	58-142		

DO= Diluted Out ND= Not Detected RL= Reporting Limit Page 1 of 1



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-1-14.0	Diln Fac:	0.8065
Lab ID:	196922-012	Batch#:	128588
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	81
MTBE	ND	4.0
Isopropyl Ether (DIPE)	ND	4.0
Ethyl tert-Butyl Ether (ETBE)	ND	4.0
1,2-Dichloroethane	ND	4.0
Benzene	ND	4.0
Methyl tert-Amyl Ether (TAME)	ND	4.0
Toluene	ND	4.0
1,2-Dibromoethane	ND	4.0
Ethylbenzene	ND	4.0
m,p-Xylenes	ND	4.0
o-Xylene	ND	4.0

Surrogate	%REC	Limits
Dibromofluoromethane	128 *	78-126
1,2-Dichloroethane-d4	152 *	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	115	80-126

\*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit
Page 1 of 1



	BTX	E & Oxygenates	
		onggonatoo	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-10-2.0	Diln Fac:	1.020
Lab ID:	196922-013	Batch#:	128740
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/23/07
An	alyte Res	ult R	Ti
tert-Butyl Al	cohol (TBA) ND		00
MTBE	ND		5.1
Isopropyl Eth			5.1
	tyl Ether (ETBE) ND		5.1
1,2-Dichloroe			5.1

	D • T
Benzene	5.1
Methyl tert-Amyl Ether (TAME) ND	5.1
Toluene ND	5.1
1,2-Dibromoethane ND	5.1
Ethylbenzene ND	5.1
m,p-Xylenes ND	5.1
o-Xylene ND	5.1
Surrogate %REC Limits	
Dibromofluoromethane 108 78-126	

Dibromofluoromethane	108	78-126
1,2-Dichloroethane-d4	124	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126



	BTXE & C	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-11-2.0	Diln Fac:	0.9615
Lab ID:	196922-014	Batch#:	128740
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	96
MTBE	ND	4.8
Isopropyl Ether (DIPE)	ND	4.8
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Methyl tert-Amyl Ether (TAME)	ND	4.8
Toluene	ND	4.8
1,2-Dibromoethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	108	78-126
1,2-Dichloroethane-d4	123	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-126



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-6-9.5	Diln Fac:	24.04
Lab ID:	196922-015	Batch#:	128788
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	2,400
MTBE	ND	120
Isopropyl Ether (DIPE)	ND	120
Ethyl tert-Butyl Ether (ETBE)	ND	120
1,2-Dichloroethane	ND	120
Benzene	ND	120
Methyl tert-Amyl Ether (TAME)	ND	120
Toluene	ND	120
1,2-Dibromoethane	ND	120
Ethylbenzene	1,800	120
m,p-Xylenes	ND	120
o-Xylene	ND	120

Surrogate	%REC	Limits
Dibromofluoromethane	98	78-126
1,2-Dichloroethane-d4	104	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-126
Trifluorotoluene (MeOH)	97	58-142



	BTXE & O	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037,001	Analysis:	EPA 8260B
Field ID:	EB-6-14.0	Diln Fac:	0.7246
Lab ID:	196922-016	Batch#:	128594
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	72
MTBE	ND	3.6
Isopropyl Ether (DIPE)	ND	3.6
Ethyl tert-Butyl Ether (ETBE)	ND	3.6
1,2-Dichloroethane	ND	3.6
Benzene	ND	3.6
Methyl tert-Amyl Ether (TAME)	ND	3.6
Toluene	ND	3.6
1,2-Dibromoethane	ND	3.6
Ethylbenzene	ND	3.6
m,p-Xylenes	ND	3.6
o-Xylene	ND	3.6

Surrogate	%REC	2 Limits	
Dibromofluoromethane	108	78-126	
1,2-Dichloroethane-d4	113	76-135	
Toluene-d8	100	80-120	
Bromofluorobenzene	99	80-126	



	BTX	E & Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-4-10.2	Diln Fac:	0.9091
Lab ID:	196922-017	Batch#:	128594
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

tert-Butyl Alcohol (TBA)ND91MTBEND4.5Isopropyl Ether (DIPE)ND4.5Ethyl tert-Butyl Ether (ETBE)ND4.51,2-DichloroethaneND4.5BenzeneND4.5Methyl tert-Amyl Ether (TAME)ND4.5TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	Analyte	Result	EL
Isopropyl Ether (DIPE)ND4.5Ethyl tert-Butyl Ether (ETBE)ND4.51,2-DichloroethaneND4.5BenzeneND4.5Methyl tert-Amyl Ether (TAME)ND4.5TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	tert-Butyl Alcohol (TBA)	ND	91
Ethyl tert-Butyl Ether (ETBE)ND4.51,2-DichloroethaneND4.5BenzeneND4.5Methyl tert-Amyl Ether (TAME)ND4.5TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	MTBE	ND	4.5
1,2-DichloroethaneND4.5BenzeneND4.5Methyl tert-Amyl Ether (TAME)ND4.5TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	Isopropyl Ether (DIPE)	ND	4.5
BenzeneND4.5Methyl tert-Amyl Ether (TAME)ND4.5TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	Ethyl tert-Butyl Ether (ETBE)	ND	4.5
Methyl tert-Amyl Ether (TAME)ND4.5TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	1,2-Dichloroethane	ND	4.5
TolueneND4.51,2-DibromoethaneND4.5EthylbenzeneND4.5	Benzene	ND	4.5
1,2-DibromoethaneND4.5EthylbenzeneND4.5	Methyl tert-Amyl Ether (TAME)	ND	4.5
Ethylbenzene ND 4.5	Toluene	ND	4.5
	1,2-Dibromoethane	ND	4.5
	-	ND	4.5
	m,p-Xylenes	ND	4.5
o-Xylene ND 4.5	o-Xylene	ND	4.5

Dibromofluoromethane 110 1,2-Dichloroethane-d4 115	78-126 76-135
	76-135
Toluene-d8 101	80-120
Bromofluorobenzene 101	80-126



	BTXE & O	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-4-6.5	Diln Fac:	0.8621
Lab ID:	196922-018	Batch#:	128594
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	RL	
tert-Butyl Alcohol (TBA)	ND	86	
MTBE	ND	4.3	
Isopropyl Ether (DIPE)	ND	4.3	
Ethyl tert-Butyl Ether (ETBE)	ND	4.3	
1,2-Dichloroethane	ND	4.3	
Benzene	ND	4.3	
Methyl tert-Amyl Ether (TAME)	ND	4.3	
Toluene	ND	4.3	
1,2-Dibromoethane	ND	4.3	
Ethylbenzene	ND	4.3	
m,p-Xylenes	ND	4.3	
o-Xylene	ND	4.3	

1,2-Dichloroethane-d4 115 76-135 Toluene-d8 99 80-120	Surrogate	%REC	Limits	
Toluene-d8 99 80-120	Dibromofluoromethane	110	78-126	
	1,2-Dichloroethane-d4	115	76-135	
Bromofluorobenzene 101 80-126	Toluene-d8	99	80-120	
	Bromofluorobenzene	101	80-126	



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-4-13.0	Diln Fac:	0.8197
Lab ID:	196922-019	Batch#:	128594
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

tert-Butyl Alcohol (TBA)	ND	82
MTBE	ND	4.1
Isopropyl Ether (DIPE)	ND	4.1
Ethyl tert-Butyl Ether (ETBE)	ND	4.1
1,2-Dichloroethane	ND	4.1
Benzene	ND	4.1
Methyl tert-Amyl Ether (TAME)	ND	4.1
Toluene	ND	4.1
1,2-Dibromoethane	ND	4.1
Ethylbenzene	ND	4.1
m,p-Xylenes	ND	4.1
o-Xylene	ND	4.1

Surrogate	SKEC	: Limits
Dibromofluoromethane	110	78-126
1,2-Dichloroethane-d4	115	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	107	80-126



	BTXE & C	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-3-9.0	Diln Fac:	146.2
Lab ID:	196922-020	Batch#:	128854
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/27/07

Analyte	Result	RL	
tert-Butyl Alcohol (TBA)	ND	15,000	
MTBE	ND	730	
Isopropyl Ether (DIPE)	ND	730	
Ethyl tert-Butyl Ether (ETBE)	ND	730	
1,2-Dichloroethane	ND	730	
Benzene	990	730	
Methyl tert-Amyl Ether (TAME)	ND	730	
Toluene	ND	730	
1,2-Dibromoethane	ND	730	
Ethylbenzene	12,000	730	
m,p-Xylenes	1,000	730	
o-Xylene	ND	730	

Surrogate	%REC	2 Limits
Dibromofluoromethane	100	78-126
1,2-Dichloroethane-d4	122	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	100	80-126
Trifluorotoluene (MeOH)	105	58-142



	BTX	E & Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-3-11.8	Diln Fac:	0.8475
Lab ID:	196922-021	Batch#:	128594
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07
	Analyte Res	ult RL	
tert-Butyl	Alcohol (TBA) ND	85	
MTBE	ND	4	. 2

Isopropyl Ether (DIPE)	ND	4.2	
Ethyl tert-Butyl Ether (ETH	BE) ND	4.2	
1,2-Dichloroethane	ND	4.2	
Benzene	ND	4.2	
Methyl tert-Amyl Ether (TAN	(E) ND	4.2	
Toluene	ND	4.2	
1,2-Dibromoethane	ND	4.2	
Ethylbenzene	ND	4.2	
m,p-Xylenes	ND	4.2	
o-Xylene	ND	4.2	

Surrogate	%REC	C Limits
Dibromofluoromethane	112	78-126
1,2-Dichloroethane-d4	116	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	104	80-126



		BTXE	& Oxygenates	
Lab #:	196922		Location:	Sebanc-Alameda
Client:	Geomatrix Consu	ltants	Prep:	EPA 5030B
Project#:	11037.001		Analysis:	EPA 8260B
Field ID:	EB-5-2.5		Diln Fac:	1.429
Lab ID:	196922-022		Batch#:	128594
Matrix:	Soil		Sampled:	08/16/07
Units:	ug/Kg		Received:	08/17/07
Basis:	as received		Analyzed:	08/20/07
	lyte	Result	RL	
tert-Butyl Alc	cohol (TBA)	ND	14	0
MTBE		ND		7.1
Isopropyl Ethe	er (DIPE)	ND		7.1
Ethyl tert-But	yl Ether (ETBE)	ND	· · · · · · · · · · · · · · · · · · ·	7.1
1,2-Dichloroet	hane	ND		7.1
Benzene		ND		7.1
Methyl tert-Am	yl Ether (TAME)	ND		7.1
Toluene		ND		7.1
1,2-Dibromoeth	ane	ND		7.1
Ethylbenzene		ND		7.1

Surrogate	%REC	Limits	
Dibromofluoromethane	111	78-126	
1,2-Dichloroethane-d4	116	76-135	
Toluene-d8	104	80-120	
Bromofluorobenzene	102	80-126	

7.1

7.1

 $\mathbb{ND}$ 

ND

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

m,p-Xylenes o-Xylene



	BTXE	& Oxygenates	
Lab #: 19692	22	Location:	Sebanc-Alameda
Client: Geoma	atrix Consultants	Prep:	EPA 5030B
Project#: 11037		Analysis:	EPA 8260B
Field ID: EB-5-	-9.0	Diln Fac:	42.37
Lab ID: 19692	22-023	Batch#:	128788
Matrix: Soil		Sampled:	08/16/07
Units: ug/Ko	3	Received:	08/17/07
Basis: as re	eceived	Analyzed:	08/25/07
		<b>__</b>	
Analyte	Result	RL	
tert-Butyl Alcohol (TE	BA) ND	4,200	
MTBE	ND	210	
Isopropyl Ether (DIPE)		210	
Ethyl tert-Butyl Ether	(ETBE) ND	210	
1,2-Dichloroethane	ND	210	
Benzene	ND	210	
Methyl tert-Amyl Ether	(TAME) ND	210	
Toluene	ND	210	
1,2-Dibromoethane	ND	210	
Ethylbenzene	3,700	210	
m,p-Xylenes	1,100	210	
o-Xylene	ND	210	
Surrogate	%REC Limit	8	
Dibromofluoromethane	97 78-12	6	
1,2-Dichloroethane-d4	97 76-13	5	
Toluene-d8	97 80-12	0	• • • • • • • • • • • • • • • • • • •

102

93

80-126

58-142

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

Bromofluorobenzene

Trifluorotoluene (MeOH)



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-5-12.5	Diln Fac:	0.8929
Lab ID:	196922-024	Batch#:	128722
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/22/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	89
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	115	78-126
1,2-Dichloroethane-d4	107	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	92	80-126



		xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-2-9.0	Diln Fac:	53.19
Lab ID:	196922-025	Batch#:	128788
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/24/07

tert-Butyl Alcohol (TBA	A) ND		5,300	
MTBE	ND		270	
Isopropyl Ether (DIPE)	ND		270	
Ethyl tert-Butyl Ether	(ETBE) ND		270	
1,2-Dichloroethane	ND		270	
Benzene	•	440	270	
Methyl tert-Amyl Ether	(TAME) ND		270	
Toluene	ND		270	
1,2-Dibromoethane	ND		270	
Ethylbenzene	3	,700	270	
m,p-Xylenes	ND		270	
o-Xylene	ND	and the second secon	270	

Surrogate	%REC	2 Limits
Dibromofluoromethane	99	78-126
1,2-Dichloroethane-d4	108	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-126
Trifluorotoluene (MeOH)	98	58-142



	BTXE & (	Dxygenates	
Lab <b>#:</b>	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-2-13	Diln Fac:	0.9091
Lab ID:	196922-026	Batch#:	128594
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	91
MTBE	ND	4.5
Isopropyl Ether (DIPE)	ND	4.5
Ethyl tert-Butyl Ether (ETBE)	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Methyl tert-Amyl Ether (TAME)	ND	4.5
Toluene	ND	4.5
1,2-Dibromoethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5

Dibromofluoromethane1111,2-Dichloroethane-d4116	78-126 76-135	
	76-135	
Toluene-d8 103	80-120	
Bromofluorobenzene 104	80-126	



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	TB-081607	Diln Fac:	1.000
Lab ID:	196922-027	Batch#:	128722
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/22/07

Analyte	Resu	ilt	RL	
tert-Butyl Alcohol (TBA)	ND		100	
MTBE	ND		5.0	
Isopropyl Ether (DIPE)	ND		5.0	
Ethyl tert-Butyl Ether (ETBE)	ND		5.0	
1,2-Dichloroethane	ND		5.0	
Benzene	ND		5.0	
Methyl tert-Amyl Ether (TAME)	ND		5.0	
Toluene	ND		5.0	
1,2-Dibromoethane	ND		5.0	
Ethylbenzene	ND		5.0	
m,p-Xylenes	ND		5.0	
o-Xylene	ND		5.0	

Surrogate	%REC	2 Limits	
Dibromofluoromethane	115	78-126	
1,2-Dichloroethane-d4	105	76-135	
Toluene-d8	100	80-120	
Bromofluorobenzene	94	80-126	



	BTXE & O.	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC402045	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128581
Units:	ug/Kg	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Bromofluorobenzene	99	80-126
Toluene-d8	99	80-120
1,2-Dichloroethane-d4	112	76-135
Dibromofluoromethane	96	78-126
Surrogate	%REC	Limits



	BTXE	🛿 Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Туре:	BLANK	Basis:	as received
Lab ID:	QC402070	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128588
Units:	ug/Kg	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Bromofluorobenzene	114	80-126	
Toluene-d8	101	80-120	
1,2-Dichloroethane-d4	132	76-135	
Dibromofluoromethane	117	78-126	
Surrogate	%REC	Limits	



BTXE & C	xygenates	
Lab #: 196922	Location:	Sebanc-Alameda
Client: Geomatrix Consultants	Prep:	EPA 5030B
Project#: 11037.001	Analysis:	EPA 8260B
Type: BLANK	Basis:	as received
Lab ID: QC402107	Diln Fac:	1.000
Matrix: Soil	Batch#:	128594
Units: ug/Kg	Analyzed:	08/20/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	2 Limits
Dibromofluoromethane	104	78-126
1,2-Dichloroethane-d4	99	76-135
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-126



		BTXE	& Oxygenates	
Lab #:	196922		Location:	Sebanc-Alameda
Client:	Geomati	rix Consultants	Prep:	EPA 5030B
Project#:	11037.0	001	Analysis:	EPA 8260B
Type:	BLANK		Basis:	as received
Lab ID:	QC40271	19	Diln Fac:	1.000
Matrix:	Soil		Batch#:	128722
Units:	ug/Kg		Analyzed:	08/22/07

Analyte	Result	L
tert-Butyl Alcohol (TBA)	ND 1	.00
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	2 Limits
Dibromofluoromethane	113	78-126
1,2-Dichloroethane-d4	98	76-135
Toluene-d8	100	80-120
Bromofluorobenzene	91	80-126



	BTXE & (	Dxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Туре:	BLANK	Basis:	as received
Lab ID:	QC402797	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128740
Units:	ug/Kg	Analyzed:	08/23/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	C Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	104	76-135
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-126



	BTXE (	Oxygenates		
Lab #: 196922		Location:	Sebanc-Alameda	
Client: Geomatrix Co	nsultants	Prep:	EPA 5030B	
Project#: 11037.001		Analysis:	EPA 8260B	
Type: BLANK		Basis:	as received	
Lab ID: QC403013		Diln Fac:	1.000	
Matrix: Soil		Batch#:	128788	
Units: ug/Kg	<u></u>	Analyzed:	08/24/07	
Analyte	Result		RL	
tert-Butyl Alcohol (TBA)	ND		100	
MTBE	ND		5.0	
Isopropyl Ether (DIPE)	ND		5.0	
Ethyl tert-Butyl Ether (ETBE)	ND		5.0	
1,2-Dichloroethane	ND	and the second second second	5.0	
Benzene	ND		5.0	
Methyl tert-Amyl Ether (TAME)	ND		5.0	
Toluene	ND		5.0	
1,2-Dibromoethane	ND		5.0	
Ethylbenzene	ND		5.0	
m,p-Xylenes	ND		5.0	
o-Xylene	ND		5.0	
Surrogate	%REC Limit	8		
Dibromofluoromethane	102 78-12	6		
1,2-Dichloroethane-d4	109 76-13	5		
Toluene-d8	99 80-12	0		

80-126

100

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

Bromofluorobenzene



	B	TXE & Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC403014	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128788
Units:	ug/Kg	Analyzed:	08/24/07

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	100
MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Bromofluorobenzene	98	80-126
Toluene-d8	95	80-120
1,2-Dichloroethane-d4	105	76-135
Dibromofluoromethane	100	78-126
Surrogate	%REC	Limits



	BTXE &	0xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC403331	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128854
Units:	ug/Kg	Analyzed:	08/27/07
Ana tert-Butyl Alc	ilyte Result cohol (TBA) ND		
	······ () IND	т.	

MTBE	ND	5.0
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
Toluene	ND	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0

Surrogate	%REC	Limits	
Dibromofluoromethane	99	78-126	
1,2-Dichloroethane-d4	110	76-135	
Toluene-d8	97	80-120	
Bromofluorobenzene	98	80-126	



	BTXE & C	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Туре:	LCS	Basis:	as received
Lab ID:	QC402044	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128581
Units:	ug/Kg	Analyzed:	08/20/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	131.7	105	56-130
MTBE	25.00	22.19	89	66-120
Isopropyl Ether (DIPE)	25.00	18.37	73	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	19.98	80	68-120
1,2-Dichloroethane	25.00	26.71	107	73-120
Benzene	25.00	24.51	98	80-120
Methyl tert-Amyl Ether (TAME)	25.00	23.93	96	73-120
Toluene	25.00	26.26	105	80-120
1,2-Dibromoethane	25.00	25.67	103	80-120
Ethylbenzene	25.00	28.26	113	80-125
m,p-Xylenes	50.00	54.23	108	80-123
o-Xylene	25.00	25.90	104	80-122

Surrogate	%REC	Limits		
Dibromofluoromethane	100	78-126		 
1,2-Dichloroethane-d4	113	76-135		
Toluene-d8	99	80-120		
Bromofluorobenzene	95	80-126		



	BTXE & (	Dxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Туре:	LCS	Basis:	as received
Lab ID:	QC402071	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128588
Units:	ug/Kg	Analyzed:	08/20/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	250.0	258.3	103	56-130
MTBE	50.00	56.41	113	66-120
Isopropyl Ether (DIPE)	50.00	44.50	89	57-120
Ethyl tert-Butyl Ether (ETBE)	50.00	50.80	102	68-120
1,2-Dichloroethane	50.00	66.82	134 *	73-120
Benzene	50.00	49.90	100	80-120
Methyl tert-Amyl Ether (TAME)	50.00	55.83	112	73-120
Toluene	50.00	54.29	109	80-120
1,2-Dibromoethane	50.00	57.20	114	80-120
Ethylbenzene	50.00	58.59	117	80-125
m,p-Xylenes	100.0	116.1	116	80-123
o-Xylene	50,00	57.05	114	80-122

Surrogate	%RE	C Limits
Dibromofluoromethane	117	78-126
1,2-Dichloroethane-d4	123	76-135
Toluene-d8	103	80-120
Bromofluorobenzene	107	80-126



	BTXE & C	xygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	128594
Basis:	as received	Analyzed:	08/20/07

Type: BS		Lab ID: QC	2402105	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAME) Toluene 1,2-Dibromoethane Ethylbenzene	<b>Spiked</b> 125.0 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00	Result 110.4 20.92 24.38 20.50 23.02 25.22 21.16 24.74 26.81 25.34	%REC         L.           88         50           84         60           98         57           82         68           92         72           101         80           85         72           99         80           107         80	Imits         6-130         6-120         7-120         8-120         3-120         0-120         0-120         0-120         0-120         0-120         0-120         0-120         0-120
m,p-Xylenes o-Xylene Surrogate Dibromofluoromethane	50.00 25.00 %REC Limits	48.28 25.10	97 80	D-123 D-122
1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	102 78-126 90 76-135 96 80-120 99 80-126			

Type:

BSD

Lab ID:

QC402106

Analyte	Spiked	Result	*REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	118.0	94	56-130	7	28
MTBE	25.00	20.53	82	66-120	2	20
Isopropyl Ether (DIPE)	25.00	23.97	96	57-120	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	20.26	81	68-120	1	20
1,2-Dichloroethane	25.00	22.74	91	73-120	1	20
Benzene	25.00	25.48	102	80-120	1	20
Methyl tert-Amyl Ether (TAME)	25.00	20.77	83	73-120	2	20
Toluene	25.00	24.01	96	80-120	2	20
1,2-Dibromoethane	25.00	26.30	105	80-120	ວ · າ	20
Ethylbenzene	25.00	24.80	99	80-125	2	
m,p-Xylenes	50.00	47.05	94	80-123	2	20
o-Xylene	25.00	24.84	99 99		3	20
		2+.0+		80-122	_ <u> </u>	20
Surrogate	%REC Limits					
Dibromofluoromethane	101 78-126					<u> </u>
1,2-Dichloroethane-d4	93 76-135					

Dibromofluoromethane	101	78-126	
1,2-Dichloroethane-d4	93	76-135	
Toluene-d8	95	80-120	
Bromofluorobenzene	100	80-126	



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC402718	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128722
Units:	ug/Kg	Analyzed:	08/22/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.1	88	56-130
MTBE	25.00	18.53	74	66-120
Isopropyl Ether (DIPE)	25.00	23.59	94	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	17.25 b	69	68-120
1,2-Dichloroethane	25.00	25.40	102	73-120
Benzene	25.00	28.98	116	80-120
Methyl tert-Amyl Ether (TAME)	25.00	19.28	77	73-120
Toluene	25.00	26.67	107	80-120
1,2-Dibromoethane	25.00	29.14	117	80-120
Ethylbenzene	25.00	27.71	111	80-125
m,p-Xylenes	50.00	54.23	108	80-123
o-Xylene	25.00	27.56	110	80-122

Surrogate	%REC	3 Limits
Dibromofluoromethane	112	78-126
1,2-Dichloroethane-d4	98	76-135
Toluene-d8	98	80-120
Bromofluorobenzene	84	80-126



<u>Daeen ge kepor</u>							
		BTXE	& Oxygena	tes			
Lab #:	196922		Locati	on:	Sebanc-Alam	neda	<u></u>
Client:	Geomatrix Cons	ultants	Prep:	. j . j	EPA 5030B		
Project#:	11037.001	<u> </u>	Analys	is: ]	EPA 8260B		
Type:	LCS		Basis:		as received	1	<u></u>
Lab ID:	QC402796		Diln F	ac:	L.000		
Matrix:	Soil		Batch#	:	L28740		
Units:	ug/Kg		Analyz	ed: (	08/23/07		
Analy		Spiked		Result	%RE	C Limits	
tert-Butyl Alcoh	ol (TBA)	125,	.0	122.9	98	56-130	
MTBE		25.	.00	24.6	7 99	66-120	
Isopropyl Ether		25.	.00	25.20	) 101	57-120	
Ethyl tert-Butyl		25.	.00	23.81	95	68-120	
1,2-Dichloroetha	ne	25.	.00	23.22	2 93	73-120	
Benzene		25.	.00	23.64	95	80-120	
Methyl tert-Amyl	Ether (TAME)	25.	.00	23.74	95	73-120	
Toluene		25.	.00	24.13	97	80-120	
1,2-Dibromoethan	9	25.	.00	22.72	2 91	80-120	
Ethylbenzene		25.	. 0 0	25.75	5 103	80-125	
m,p-Xylenes		50.	.00	51.53	103	80-123	
o-Xylene		25.	00	25.14	. 101	80-122	
Surroga		%REC Limit					
Dibromofluorometh		99 78-12	26		,		
1,2-Dichloroethar	ne-d4	98 76-13	5				

98

100

80-120

80-126

Toluene-d8

Bromofluorobenzene



Bromofluorobenzene

<u>pacen ge nepere</u>					
	BTXE &	Oxygenates			
Lab #: 196922		Location:	Seba	nc-Alameo	da
Client: Geomatrix Co	nsultants	Prep:	EPA	5030B	
Project#: 11037.001		Analysis:	EPA	8260B	
Type: LCS		Basis:	as r	eceived	
Lab ID: QC403012		Diln Fac:	1.00	0	
Matrix: Soil		Batch#:	1287	88	
Units: ug/Kg		Analyzed:	08/2	4/07	
					· · · · · · · · · · · · · · · · · · ·
Analyte	Spiked		Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0		112.0	90	56-130
MTBE	25.00		24.33	97	66-120
Isopropyl Ether (DIPE)	25.00		25.52	102	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00		24.65	99	68-120
1,2-Dichloroethane	25.00		27.21	109	73-120
Benzene	25.00		25.93	104	80-120
Methyl tert-Amyl Ether (TAME)	25.00		25.47	102	73-120
Toluene	25.00		26.96	108	80-120
1,2-Dibromoethane	25.00		25.97	104	80-120
Ethylbenzene	25.00		27.41	110	80-125
m,p-Xylenes	50.00		54.18	108	80-123
o-Xylene	25.00		26.27	105	80-122
Surrogate	%REC Limits				
Dibromofluoromethane	102 78-126				······
1,2-Dichloroethane-d4	108 76-135				
Toluene-d8	97 80-120				

80-126

102



	BTXE (	2 Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC403330	Diln Fac:	1.000
Matrix:	Soil	Batch#:	128854
Units:	ug/Kg	Analyzed:	08/27/07

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	123.8	99	56-130
MTBE	25.00	26.98	108	66-120
Isopropyl Ether (DIPE)	25.00	25.51	102	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	26.81	107	68-120
1,2-Dichloroethane	25.00	27.65	111	73-120
Benzene	25.00	26.37	105	80-120
Methyl tert-Amyl Ether (TAME)	25.00	25.65	103	73-120
Toluene	25.00	27.76	111	80-120
1,2-Dibromoethane	25.00	26.11	104	80-120
Ethylbenzene	25.00	28.70	115	80-125
m,p-Xylenes	50.00	58.84	118	80-123
o-Xylene	25.00	28.89	116	80-122

Surrogate	%REC	Limits	
Dibromofluoromethane	104	78-126	
1,2-Dichloroethane-d4	106	76-135	
Toluene-d8	96	80-120	
Bromofluorobenzene	94	80-126	



	BTXI	£ & O3	kygenates	
Lab #:	196922		Location:	Sebanc-Alameda
Client:	Geomatrix Consultants		Prep:	EPA 5030B
Project#:	11037.001	1	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZ		Diln Fac:	0.9804
MSS Lab ID:	196906-001		Batch#:	128588
Matrix:	Miscell.		Sampled:	08/16/07
Units:	ug/Kg		Received:	08/17/07
Basis:	as received		Analyzed:	08/20/07

Type: MS		Lab ID:	QC402140	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE 1,2-Dichloroethane Benzene	<0.5421	<b>Spiked</b> 245.1 49.02 49.02 49.02 49.02 49.02	<b>Result</b> 317.9 59.59 44.00 50.98 64.37	%REC         Limits           130 *         45-123           122 *         55-120           90         50-120           104         58-120           131 *         56-120
Methyl tert-Amyl Ether (TAME Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	<pre>&lt;0.4516 &lt;0.2997 &lt;0.4887 &lt;0.4354 &lt;0.5834 &lt;1.306 0.9979</pre>	$\begin{array}{r} 49.02 \\ 49.02 \\ 49.02 \\ 49.02 \\ 49.02 \\ 98.02 \\ 98.04 \\ 49.02 \end{array}$	$\begin{array}{r} 41.77\\ 55.54\\ 40.34\\ 52.42\\ 32.65\\ 63.82\\ 32.82\end{array}$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC         Limits           122         78-126           141         76-135           104         80-120           116         80-126			

Type: MSD	Lab ID:	QC402141	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAME) Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	<b>Spiked</b> 245.1 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 98.04	$\begin{array}{cccccc} 261.8 & 107\\ 48.06 & 98\\ 34.34 & 70\\ 40.03 & 82\\ 57.14 & 117\\ 36.93 & 75\\ 44.70 & 91\\ 36.83 & 75\\ 47.59 & 97\\ 32.51 & 66\\ 62.80 & 64\\ \end{array}$	55-120 21 * 20 50-120 25 * 20 58-120 24 * 20
SurrogateDibromofluoromethane11,2-Dichloroethane-d41Toluene-d81	<u>49.02</u> <b>%REC Limits</b> 20 78-126 38 * 76-135 03 80-120 17 80-126	6363	54-127 3 22

\*= Value outside of QC limits; see narrative RPD= Relative Percent Difference Page 1 of 1



Batch QC Repor		and the second second second second				
		BTXE & C	xygenates			
Lab #:	196922		Location:	Sebanc-Alameda		<u></u>
Client:	Geomatrix Cons	sultants	Prep:	EPA 5030B		
Project#:	11037.001		Analysis:	EPA 8260B		
Field ID:	EB-5-12.5		Batch#:	128594		
MSS Lab ID:	196922-024		Sampled:	08/16/07		
Matrix:	Soil		Received:	08/17/07		
Units:	ug/Kg		Analyzed:	08/20/07		
Basis:	as received	1		00/20/0/		
Type: Lab ID:	MS QC402186		Diln Fac:	0.8929		
Analy		MSS Result	Spiked	Result	8REC	Limits
tert-Butyl Alcoh	101 (TBA)	<6.169	223.2	267.8	120	45-123
MTBE		<0.5060	44.64	36.50	82	55-120
Isopropyl Ether	(DIPE)	<0.4721	44.64	40.06	90	50-120
Ethyl tert-Butyl	_ Ether (ETBE)	<0.5111	44.64	34.13	76	58-120
1,2-Dichloroetha	ane	<0.6929	44.64	39.41	88	56-120
Benzene		<0.5905	44.64	40.75	91	61-122
Methyl tert-Amyl Toluene	. Ether (TAME)	<0.5856	44.64	34.84	78	60-120
1,2-Dibromoethar	and the second	<0.4355	44.64	39.35	88	57-124
	le	<0.5846	44.64	46.33	104	57-120
Ethylbenzene m,p-Xylenes		<0.5609	44.64	38.73	87	55-129
o-Xylene		<1.025	89.29	74.01	83	53-127
		<0.4276	44.64	38.75	_87	54-127
Surroc		%REC Limits				
Dibromofluoromet	hane	114 78-126				
1,2-Dichloroetha	ne-d4	111 76-135				
Toluene-d8		102 80-120				
Bromofluorobenze		98 80-126				1
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			

### Type: Lab ID:

MSD QC402187

.

Diln Fac:

0.9091

Analyte	Spiked	Result	*REC	<b>Etim</b> tics	RPD	Lim
tert-Butyl Alcohol (TBA)	227.3	262.0	115	45-123	4	32
MTBE	45.45	36.31	80	55-120	2	20
Isopropyl Ether (DIPE)	45.45	39.58	87	50-120	วั	20
Ethyl tert-Butyl Ether (ETBE)	45.45	34.44	76	58-120	1	20
1,2-Dichloroethane	45.45	37.38	82	56-120	1 7	20
Benzene	45.45	40.65	89	61-122	2	20
Methyl tert-Amyl Ether (TAME)	45.45	35.20	77	60-120	2 1	20
Toluene	45.45	40.33	89	57-124	1	20
1,2-Dibromoethane	45.45	46.15	102	57-120	2	20
Ethylbenzene	45.45	40.33	89	55-129	2	$\frac{20}{23}$
m,p-Xylenes	90.91	75.79	83	53-127	2, 1	$\frac{23}{23}$
o-Xylene	45.45	40.01	88	54-127	1	
		10.01	0		<u> </u>	22
Surrogate %RI	C Limits					
Dibromofluoromethane 108	78-126				<u>,</u>	
1,2-Dichloroethane-d4 103	76-135					
Toluene-d8 99	80-120					
Bromofluorobenzene 99	80-126					



Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
<u>Project#:</u>	11037.001	Analysis:	EPA 8260B
ield ID:	ZZZZZZZZŻ	Diln Fac:	0.9804
ISS Lab ID:	196796-001	Batch#:	128722
latrix:	Soil	Sampled:	08/14/07
mits:	ug/Kg	Received:	08/15/07
Basis:	<u>as received</u>	Analyzed:	08/23/07

Type:	MS			Lab ID:		QC402765		
Ethyl tert 1,2-Dichlo Benzene	Ether (DIPE) -Butyl Ether (ETBE) roethane t-Amyl Ether (TAME) oethane ne	MS	<b>S Result</b> <7.258 <0.5953 <0.5554 <0.6013 <0.8152 <0.6947 <0.6889 <0.5124 <0.6878 0.8265 1.989 11.28	4 4 4 4 4 4 4 4 4 4 4 4 5 8 9 8	ked 5.1 9.02 9.02 9.02 9.02 9.02 9.02 9.02 9.02	Result 152.4 28.22 35.33 27.16 b 41.24 42.57 28.71 36.56 46.30 27.88 39.66 45.05	62 58 72 55 * 84 87 59 * 75 94 55 38 *	Limits 45-123 55-120 50-120 58-120 56-120 61-122 60-120 57-124 57-120 55-129 53-127
Dibromoflu	roethane-d4	%REC 123 102 101 81				45.95		54-127

Type:	MSD			Lab ID:	QC402	766			
Ethyl tert 1,2-Dichlc Benzene	Ether (DIPE) -Butyl Ether (ETBE) proethane rt-Amyl Ether (TAME) moethane ene		<b>Sp1ked</b> 245.1 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 98.04 49.02		Result 169.7 32.28 35.81 29.60 b 43.07 41.60 32.07 36.93 46.01 32.47 48.89 47.25	*REC 69 66 73 60 88 85 65 75 94 65 48 * 73	$\begin{array}{c} \textbf{L1m1Ls}\\ \textbf{45-123}\\ \textbf{55-120}\\ \textbf{50-120}\\ \textbf{58-120}\\ \textbf{56-120}\\ \textbf{61-122}\\ \textbf{60-120}\\ \textbf{57-124}\\ \textbf{57-124}\\ \textbf{57-120}\\ \textbf{55-129}\\ \textbf{53-127}\\ \textbf{54-127} \end{array}$	<b>RPD</b> 11 13 9 4 2 11 1 15 21 3	Lim 32 20 20 20 20 20 20 20 20 21 20 23 23 23 22
Dibromoflu		%REC 115 100 94 87	Limits 78-126 76-135 80-120 80-126						

\*= Value outside of QC limits; see narrative b= See narrative RPD= Relative Percent Difference Page 1 of 1



Battin QC Repo				and the second	
		BTXE & O	xygenates		
Lab #:	196922		Location:	Sebanc-Alameda	
Client:	Geomatrix Consulta	ants	Prep:	EPA 5030B	
Project#:	11037.001		Analvsis:	EPA 8260B	
Field ID:	ZZZZZZZZZZ		Batch#:	128722	
MSS Lab ID:	197030-001		Sampled:	08/22/07	
Matrix:	Soil		Received:	08/22/07	
Units:	ug/Kg		Analyzed:	08/23/07	
Basis:	as received	* - N	miary zea.	08/23/07	
Type:	MS	· ·	Diln Fac:	1 000	
Lab ID:	OC402888		DIII Fac:	1.020	
	20402000	· . · · · · · · · · · · · · · · · · · ·			
Ana	lvte	ISS Result	Spiked		
tert-Butyl Alco		<6.610	255.1	<u>Result</u> 237.3	%REC Limits
MTBE	(1011)	<0.5422	51.02		93 45-123
Isopropyl Ether	C (DIPE)	<0.5058	51.02	35.89	70 55-120
Ethyl tert-Buty	/l Ether (ETBE)	<0.5476	51.02	40.56	79 50-120
1,2-Dichloroet	ane	<0.7424	51.02	34.08	67 58-120
Benzene	14110	<0.6327		46.98	92 56-120
Methyl tert-Amy	/ Ether (TAME)	<0.6327	51.02	50.26	99 61-122
Toluene	a mener (imme)	<0.6274	51.02	35.83	70 60-120
1,2-Dibromoetha	ne	<0.6263	51.02	46.55	91 57-124
Ethylbenzene	****	<0.6263	51.02	54.47	107 57-120
m,p-Xylenes		<1.098	51.02	45.77	90 55-129
o-Xvlene			102.0	90.29	88 53-127
1		<0.4581	51.02	47.42	93 54-127
Surro	gate %R1	C Limits			
Dibromofluorome	ethane 113	78-126			
1,2-Dichloroeth	ane-d4 99	76-135			
Toluene-d8	97	80-120			
Bromofluorobenz	zene 80	80-120			
<u></u>		00-120			

Type: Lab ID:

MSD QC402889

Diln Fac:

0.9091

Analyte	Spiked	Result	%REC	Limits	RPD	Lir
tert-Butyl Alcohol (TBA)	227.3	174.9	77	45-123	19	32
MTBE	45.45	31.89	70	55-120	0	20
Isopropyl Ether (DIPE)	45.45	36.88	81	50-120	Š	20
Sthyl tert-Butyl Ether (ETBE)	45.45	30.41	67	58-120	0	20
L,2-Dichloroetĥane	45.45	43.19	95	56-120	ĥ	
Benzene	45.45	47.54			3	20
Methyl tert-Amyl Ether (TAME)	45.45		105	61-122	6	20
Foluene	_	32.20	71	60-120	1	20
1,2-Dibromoethane	45.45	43.85	96	57-124	6	21
	45.45	49.19	108	57-120	1	20
Ithylbenzene	45.45	43.69	96	55-129	7	23
n,p-Xylenes	90.91	89.32	98	53-127	10	23
o-Xylene	45.45	46.85	103	54 - 127	10	22

OULLOGGUE	<u>or en</u>	<u> </u>		
Dibromofluoromethane	114	78-126		
1,2-Dichloroethane-d4	96	76-135		
Toluene-d8	96	80-120		
Bromofluorobenzene	82	80-126	* * * * * * * * * * * * * * * * *	



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZ	Diln Fac:	0.9615
MSS Lab ID:	196969-001	Batch#:	128740
Matrix:	Soil	Sampled:	08/17/07
Units:	ug/Kg	Received:	08/20/07
Basis:	as received	Analyzed:	08/23/07

Type: MS		Lab ID:	QC402833	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBB	MSS Result <11.68 <0.4247 <0.2308 <0.2664	<b>Spiked</b> 240.4 48.08 48.08 48.08	Result 249.0 41.55 45.35 46.32	SREC         Limits           104         45-123           86         55-120           94         50-120           96         58-120
1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAMM Toluene 1,2-Dibromoethane Ethylbenzene	<0.3037 <0.1263	48.08 48.08 48.08 48.08 48.08 48.08 48.08 48.08 48.08	40.32 40.32 35.14 45.26 32.44 36.88 26.95	84         56-120           73         61-122           94         60-120           67         57-124           77         57-120
m,p-Xylenes o-Xylene Surrogate	<0.8879 <0.5414 %REC Limits	96.15 48.08	26.95 53.84 26.85	56 55-129 56 53-127 56 54-127
Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	102 78-126 106 76-135 101 80-120 100 80-126			

Type:	MSD			Lab	ID:	QC4 (	2834			
	Analyte		Spiked			Result	*REC	Limits	RPD	Lim
	l Alcohol (TBA)		240.4			292.6	122	45-123	16	32
MTBE			48.08			48.53	101	55-120	16	20
Isopropyi	Ether (DIPE)		48.08			47.05	98	50-120	4	20
	t-Butyl Ether (ETBE)		48.08			49.40	103	58-120	6	20
	oroethane		48.08			42.75	89	56-120	6	20
Benzene			48.08			38.05	79	61-122	8	20
Methyl te	rt-Amyl Ether (TAME)		48.08			47.33	98	60-120	4	20
Toluene			48.08			34.72	72	57-124	7	21
1,2-Dibro			48.08			39.52	82	57-120	7	20
Ethylbenz			48.08			28.90	60	55-129	7	23
m,p-Xylen	es		96.15			57.92	60	53-127	7	23
o-Xylene		·	48.08			28.97	60	54-127	8	22
Dibromofl	Surrogate uoromethane	%REC	Limits							
1 2-Dighl	oroethane-d4	101	78-126							
Toluene-d		102	76-135							
Bromofluo	o xobongono	99	80-120							
L PTOUOTTOO	robenzene	100	80-126							

RPD= Relative Percent Difference Page 1 of 1



	BTXI	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	EB-2-9.0	Diln Fac:	53.19
MSS Lab ID:	196922-025	Batch#:	128788
Matrix:	Soil	Sampled:	08/16/07
Units:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	08/25/07

Type:	MS			Lab	ID:	QC403018		
Analy tert-Butyl Alcoh MTBE Isopropyl Ether Ethyl tert-Butyl 1,2-Dichloroetha Benzene Methyl tert-Amyl Toluene 1,2-Dibromoethan Ethylbenzene m,p-Xylenes	nol (TBA) (DIPE) Ether (ETBE) ne Ether (TAME)		<b>S5 Result</b> <57.74 <3.813 <3.409 <5.334 <2.827 443.3 <3.164 14.85 <2.662 3,738 48.52		<b>Spiked</b> 13,300 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 5,319	Result 15,720 2,684 3,080 3,125 2,462 2,925 3,011 2,688 2,459 5,721 >LR b 5,548	%REC 118 101 116 117 93 93 113 101 92 75 103	Limit# 45-123 55-120 50-120 58-120 56-120 61-122 60-120 57-124 57-120 55-129 53-127
o-Xylene Dibromofluoromet 1,2-Dichloroetha Toluene-d8 Bromofluorobenze Trifluorotoluene	hane ne-d4 ne	% <b>RE</b> 99 97 97 97 97 74	<u>9.250</u> C Limits 78-126 76-135 80-120 80-126 58-142		2,660	2,755	103	54-127

Type: MSD		Lab ID: QC403	019
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAME) Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	<b>Spiked</b> 13,300 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660 2,660	Result 16,910 2,677 3,110 3,157 2,513 2,984 3,025 2,720 2,504 5,629 >LR b 5,474 2,679	&REC         Limits         RPD         Lim           127 *         45-123         7         32           101         55-120         0         20           117         50-120         1         20           119         58-120         1         20           94         56-120         2         20           96         61-122         2         20           114         60-120         0         20           102         57-124         1         21           94         57-120         2         20           102         57-124         1         21           94         57-129         NC         23           102         53-127         1         23           100         54-127         3         22
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene Trifluorotoluene (MeOH)	%REC         Limits           98         78-126           97         76-135           99         80-120           101         80-126           79         58-142		

\*= Value outside of QC limits; see narrative b= See narrative NC= Not Calculated >LR= Response exceeds instrument's linear range RPD= Relative Percent Difference Page 1 of 1



	BTXE	& Oxygenates	
Lab #:	196922	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZ	Diln Fac:	0.9804
MSS Lab ID:	197103-009	Batch#:	128854
Matrix:	Soil	Sampled:	08/23/07
Units:	ug/Kg	Received:	08/23/07
Basis:	as received	Analyzed:	08/27/07

Type:	MS			Lab ID:	QC403380			
Anal tert-Butyl Alco MTBE Isopropyl Ether Ethyl tert-Buty 1,2-Dichloroeth Benzene Methyl tert-Amy Toluene 1,2-Dibromoethau Ethylbenzene m,p-Xylenes	hol (TBA) (DIPE) l Ether (ETBE) ane l Ether (TAME)	MSS	Result <6.348 <0.7055 <0.7766 <0.7202 <0.6550 <0.6987 <0.6274 <0.6720 <0.7055 <0.5125	<b>Spiked</b> 245.1 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02	<b>Resul</b> 211 49 47 50 43 41 46 42 40 44	.1 .53 .47 .54 .08 .88 .87 .26 .00	86 101 96 103 89 84 96 87 82 90	Limits 45-123 55-120 50-120 58-120 56-120 61-122 60-120 57-124 57-120 55-129
o-Xylene		· · ·	<1.010 <0.5680	98.04 49.02	86 42	.01 .39	88 86	53-127 54-127
Surro Dibromofluorome 1,2-Dichloroetha Toluene-d8 Bromofluorobenze	chane ane-d4	% <b>REC</b> 109 113 98 100_	<b>Limits</b> 78-126 76-135 80-120 80-126					

Type:	MSD	Ŀ	ab ID:	QC403	3381			
Analy tert-Butyl Alcoh MTBE Isopropyl Ether Ethyl tert-Butyl 1,2-Dichloroethan Benzene Methyl tert-Amyl Toluene 1,2-Dibromoethan Ethylbenzene m,p-Xylenes o-Xylene	ol (TBA) (DIPE) Ether (ETBE) ne Ether (TAME)	<b>Sp1ked</b> 245.1 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 49.02 98.04 49.02		<b>Result</b> 201.5 51.03 48.38 51.36 42.27 39.40 49.15 41.21 39.30 41.93 82.51 40.66	*REC 82 104 99 105 86 80 100 84 80 84 86 86 84 83	Limits 45-123 55-120 50-120 58-120 56-120 61-122 60-120 57-124 57-120 55-129 53-127 54-127	<b>RPD</b> 5 3 2 2 3 4 5 4 5 4 2 5 4 4	Lim 32 20 20 20 20 20 20 20 20 21 20 21 20 23 23 23 22
Surrog Dibromofluoromet 1,2-Dichloroethar Toluene-d8 Bromofluorobenzer	nane 105 ne-d4 115 100	Limits 78-126 76-135 80-120 80-126						



		Lead			
Lab #:	196922	Location:	Sebanc-	Alameda	
Client:	Geomatrix Consultants	Prep:	EPA 305	0B	
Project#:	11037.001	Analysis:	EPA 601	0B	·
Analyte:	Lead	Batch#:	128669		
Matrix:	Soil	Received:	08/17/0	7	
Units:	mg/Kg	Prepared:	08/21/0	7	
Basis:	as received	Analyzed:	08/22/0	7	
		· · · · · · · · · · · · · · · · · · ·			
Field ID	Type Lab ID	Result	RL	Diln )	Fac Sampled
EB-9-2.0	SAMPLE 196922-008	2.0	0.15	1.000	08/15/07
EB-8-1.5	SAMPLE 196922-009	40	0.15	1.000	08/15/07
EB-1-10.5	SAMPLE 196922-011	4.5	0.15	1.000	08/16/07
EB-1-14.0	SAMPLE 196922-012	1.4	0.15	1.000	08/16/07
EB-10-2.0	SAMPLE 196922-013	550	0.74	5.000	08/16/07
EB-11-2.0	SAMPLE 196922-014	3.3	0.15	1.000	08/16/07
EB-6-9.5	SAMPLE 196922-015	2.5	0.15	1.000	08/16/07
EB-6-14.0	SAMPLE 196922-016	2.0	0.15	1.000	08/16/07
EB-4-10.2	SAMPLE 196922-017	1.8	0.15	1.000	08/16/07
EB-4-6.5	SAMPLE 196922-018	2.3	0.15	1.000	08/16/07
EB-4-13.0	SAMPLE 196922-019	1.7	0.15	1.000	08/16/07
EB-3-9.0	SAMPLE 196922-020	2.0	0.15	1.000	08/16/07
EB-3-11.8	SAMPLE 196922-021	1.8	0.15	1.000	08/16/07
EB-5-2.5	SAMPLE 196922-022	48	0.15	1.000	08/16/07
EB-5-9.0	SAMPLE 196922-023	2.6	0.15	1.000	08/16/07
EB-5-12.5	SAMPLE 196922-024	1.5	0.15	1.000	08/16/07
EB-2-9.0	SAMPLE 196922-025	21	0.15	1.000	08/16/07
EB-2-13	SAMPLE 196922-026	1.2	0.15	1.000	08/16/07
	BLANK QC402465	ND	0.15	1.000	



83

85

101.9

101.5

55-122 2

55-122

26

# Batch QC Report

EB-2-9.0

EB-2-9.0

MS

MSD

196922-025 QC402470

196922-025 QC402471

					Lead							
Lab #:	19	6922			Locat	ion:	Seba	nc-2	Alame	da		
Client:	Geo	omatrix Cor	isultants		Prep:		EPA	305	0В			
Project#:	11	037.001			Analy	sis:	EPA	601	0в			
Analyte:	Lea	ad			Batch	1#:	1286	69				
Matrix:	So	il			Sampl	.ed:	08/1	.6/0'	7			
Units:	mg,	/Kg			Recei	.ved:	08/1	.7/0'	7			
Basis:	as	received			Prepa	red:	08/2	1/0	7			
Diln Fac:	1.0	000			Analy	zed:	08/22/07					
Field ID		MSS Lab ID	Lab ID	MSS F	lesult	Spiked	Resul	t	%REC	Limits	RPD	Lim
	BS		QC402466			100.0	96.	72	97	80-120		
	BSD		QC402467			100.0	95.	85	96	80-120	1	20
EB-5-12.5	MS 1	196922-024	QC402468		1.494	95.24	85.	66	88	55-122		
EB-5-12.5	MSD 1	196922-024	QC402469			97.09	85.	07	86	55-122	3	26

20.80

98.04

95.24

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 197193 ANALYTICAL REPORT

<u>Sample ID</u>
MW-3-082407
MW-1-082407
MW-10-082407
EB-1-082407
TB-1-082407
MW-2

<u>Lab ID</u> 197193-001 197193-002 197193-003 197193-004 197193-005 197193-006

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. This report may be reproduced only in its entirety.

Signature:

Project Manager

Signature:

Operations Manager

Date: <u>09/13/2007</u>

Date: <u>09/13/2007</u>

NELAP # 01107CA

Page 1 of



#### CASE NARRATIVE

Laboratory number: Client: Project: Location: Request Date: Samples Received: 197193 Geomatrix Consultants 011037.001 2301 Linclon 08/27/07 08/27/07

This hardcopy data package contains sample and QC results for six water samples, requested for the above referenced project on 08/27/07. The samples were received cold and intact.

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

Responses exceeding the instrument's linear range were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in MW-1-082407 (lab # 197193-002); affected data was qualified with "b". High surrogate recovery was observed for bromofluorobenzene (FID) in MW-1-082407 (lab # 197193-002). High surrogate recoveries were observed for trifluorotoluene (FID) in MW-1-082407 (lab # 197193-002), the LCS for batch 128933, and the MS/MSD of MW-3-082407 (lab # 197193-001). No other analytical problems were encountered.

#### Volatile Organics by GC/MS (EPA 8260B):

High recoveries were observed for isopropyl ether (DIPE) in the MS/MSD of MW-3-082407 (lab # 197193-001); the BS/BSD were within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. No other analytical problems were encountered.

CHAIN-OF-CUSTODY RECORD	1467 #	561	OAK 120
PROJECT NAME: SEA BY THE THE PROJECT NUMBER: OILO 37, COL	LABORATORY NAME: CONFICE OF CONFICTION		DATE: タノッイ /o チ PAGE I OF I
			EDD nearsary
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT:		GEOTRACKER REQUIRED
ちょう	LABORATORY PHONE NUMBER:		No.
SAMPLERS (SIGNATURE):	ANA	L YSES	
	HJL-SIO		
DATE TIME SAMPLE	28 VJ3	ISW -SW	CONTAINER (V) TYPE AND SIZE (S), V TYPE AND SIZE (S), V TYPE AND SIZE (V)
5-MM 6		XXX 40ml-Vog-amber	- W - HCL Y X
	X X totes-1-		M-1 HCL V
8-24-07 9:45 ER-1-082407	Sayor X X Coleso		1
	×		- HCL 4
8-24-07 10:50 MW-2	X		K M- MCC Y 6
RELINQUISHED BY: DA	DATE TIME REVEIVED BY:	DATE TIME TOTAL NUMBER OF CONTAINERS:	INERS:
R	12:55 SIGNATURE:		CRTEX TAME DIPE ETRE
LEF DOWMAN		3	A, EDS, 1,2-DCA
CUMPANY: Compartix Gusuttants SIGNATURE:	COMPANY, SIGNATURE	207	
PRINTED NAME:	PRINTED NAME:		
COMPANY:	COMPANY:		
SIGNATURE:	SIGNATURE:	2101 Webster Street, 12th Floor	
PRINTED NAME: COMPANY:	PRINTED NAME: COMPANY:	Oakland, California 94612-3066 Tel 510 663 4100 Eax 510 663 41	nia 94612-3066
	Lacity with	128	

7193 OAK 12056	DATE: 9/24/07	QUIREMEN	EDD necernary			SES		CONTAINER Souled TYPE AND SIZE TYPE AND SIZE	viente physicking S - N							DATE TIME TOTAL NUMBER OF CONTAINERS:	8-22: SAMPLING COMMENTS: * BTEX, TAME, DIPE, ETTSE	7003 MT3E, TAA, EDB, 1, 2- DCA chly 1		Note I the pour of VOAS tom I-L Amber fr 8015 & 8260 (No NA 126 2 2001)		Dakland, California 94612-3066	24 Wider Rut
	XCharly Municip. 2301 LINCOLN	037.001 ' LABORATORY NAME: CUTTIS & Tomp Kells	2 232354	Stav davel	Course antral metrod.	ANALY	19426 S- *092 БАНЦ-510	SAMPLE SAMPLE EPA-86	-S 8.24-07 10:39 COMD-2-1040-5X X X							VISHED BY: DATE TIME REDEIVED BY:	8/4/2 11- DELATURE	Contract Contract Auto	SIGNATURE (	PRINTED NAME:	PRINTED NAME		COR

**CURTIS & TOMPKINS, LTD. BERKELEY** 

# LOGIN CHANGE FORM

							•					
Initials: <u>SES</u>	Duedate	8/31					-					
8/27/07 19:37	Analysis	TVH, BTOX					•					
Date/Time:	Add/Cancel	Cancel										
	Matrix	Water		vas cancellec								
By: J.Torrens Data Review	Client ID	COMP-1-IDW-GW		COC request to pour from 1L amber container was cancelled.								
<ul> <li>Client Request</li> <li>Login Review</li> </ul>	Previous Lab ID			OC request to pour fro								
Reason for change:	Current Lab ID	197193-007		Ō								

SOP V		
Sectio Page:		urtis & Tompkins, Ltd.
	re Date: 08-Aug-07	
Revisi		• •
Filena	e: F:\QC\Forms\QC\Cooler.wpd	
	COOLER RECEIPT CHECKLIST	
Logir	+ 197192 Data Rappived 8-77-20177 Number of Conten	
Clien		<b></b>
A.	Preliminary Examination Phase	
	Date Opened: 8-27-2007 By (print): Karana (sign)	$\sim$
1.	Did cooler come with a shipping slip (airbill, etc.)?	YES(NO')
	If YES, enter carrier name and airbill number:	
2.	Were custody seals on outside of cooler?	YES NO
	How many and where? Seal date: 8 24-2007 Seal name:	DEC
3.	Were custody seals unbroken and intact at the date and time of arrival?	VES NO
4.	Were custody papers dry and intact when received?	MES NO
5.	Were custody papers filled out properly (ink, signed, etc.)?	ES NO
6.	Did you sign the custody papers in the appropriate place?	
7.	Was project identifiable from custody papers?	YES NO
<u> </u>	If YES, enter project name at the top of this form.	
8.	Describe type of packing in cooler: ZIDOC	
9.	If required, was sufficient ice used? Samples should be <=6 degrees C	YES NO
10	Type of ice: WET Temperature: 3.5°C	
10.	Were Encore sampling devices present in the cooler?	YES NO'
,	If YES, enter time they were transferred to the freezer	
B	Login Phase $\gamma$	
D.	Date Logged In: 8:27-200)By (print): Lon 744 ALA (sign)	
1.	Date Logged In: §:27:20)By (print): Kon TAUALA (sign) Volt Did all bottles arrive unbroken?	WEG NO
2.	Were labels in good condition and complete (ID, date, time, signature, etc.)?	VES NO
3.	Did bottle labels agree with custody papers?	YES NO
4.	Were appropriate containers used for the tests indicated?	VES NO
5.	Were correct preservatives added to samples?	
6.	Was sufficient amount of sample sent for tests indicated?	VES NO
7.	Were bubbles absent in VOA samples? If NO, list sample Ids below	VES NO
8.	Was the client contacted concerning this sample delivery?	YFS NO
	If YES, give details below.	
•	Who was called? By whom? Date:	
٨ ٩٩:٠	onal Comments:	······································
nuun	mai Commentis.	1
·····	* 3 AM MALL MILLIN - AGUILAT	TANE
<u> </u>	* 3 ADDITIONEL MW-10-082407-1	107-

puz

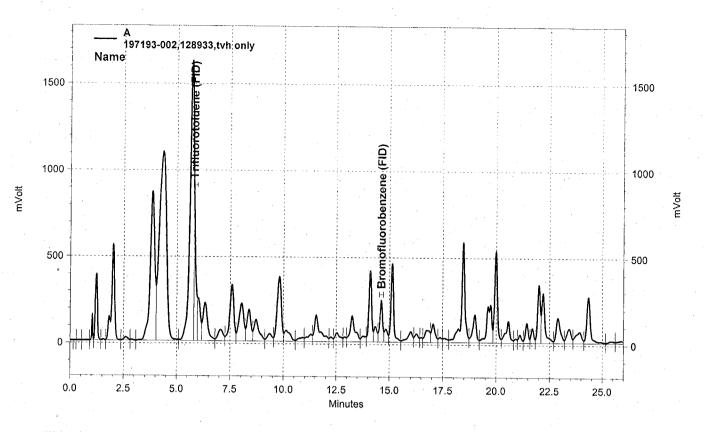
Filename: F:\qc\forms\qc\cooler.doc

INCLUDED -

Curtis & Tompkins, Ltd.

		Total	Volati:	le Hydroca:	rbons	
Lab #:	197193			Location:	2301 Linclon	
Client:	Geomatrix Co	onsultant	s	Prep:	EPA 5030B	
<u>Project#:</u> Matrix:	011037.001 Water			<u>Analysis:</u> Batch#:	EPA 8015B 128933	
Units:	ug/L			Sampled:	08/24/07	
Diln Fac:	1.000	- ·		Received:	08/27/07	
Field ID:	MW-3-082407					
Type:	SAMPLE			Lab ID: Analyzed:	197193-001 08/29/07	
 Management		60000000000000000000000000000000000000		-		
Gasoline C7-C	l <b>alyte</b> 12	ND	Result		<u>RL</u> 50	
Trifluorotolu	rogate lene (FID)	8REC 102	<u>Limics</u> 72-136			
Bromofluorobe	nzene (FID)	118	78-131			
Field ID: Type:	MW-1-082407 SAMPLE			Lab ID: Analyzed:	197193-002 08/29/07	
						1.68 ct
Gasoline C7-C	alyte 12		Result 4,100 H		RL 50	
					50	
Trifluorotolu	<b>rogate</b> ene (FID)	257 *	<u>C Li</u> >LR b 72	mits -136		
Bromofluorobe	nzene (FID)		>LR b 72			
	30					
Field ID: Type:	MW- <b>LQ</b> -082407 SAMPLE			Lab ID:	197193-003	
Type.	SAME DE			Analyzed:	08/29/07	
An Gasoline C7-C	alyte	ND	Result	ĵ	RL	
	14			<u> </u>	50	
Sur Trifluorotolu	rogate	%REC 106	Limits			
Bromofluorobe	nzene (FID)	120	72-136 78-131			
					n n ferrie de la companya de la comp	
Field ID:	EB-1-082407			Lab ID:	197193-004	
Type:	SAMPLE			Analyzed:	08/29/07	
	alyte		Result		RL	
Gasoline C7-C	12	ND			50	
	rogate	%REC	Limits			
Trifluorotolue Bromofluorober	ene (FID) nzene (FID)	100 111	72-136 78-131			
			10			
*- 1/21/10 0114	side of QC limit	a. aca				
H= Heavier hy	vdrocarbons cont	ributed (	to the m	antitation		
L= Lighter h	vdrocarbons cont	ributed t	to the m	antitation		
Y= Sample exh b= See narrat	nibits chromatog tive	raphic pa	attern wh	nich does not	resemble standard	
ND= Not Detect	ted					
RL= Reporting	Limit					

RL= Reporting Limit >LR= Response exceeds instrument's linear range Page 1 of 2



---- \\Lims\gdrive\ezchrom\Projects\GC04\Data\240\_021, A

MW-1-082407

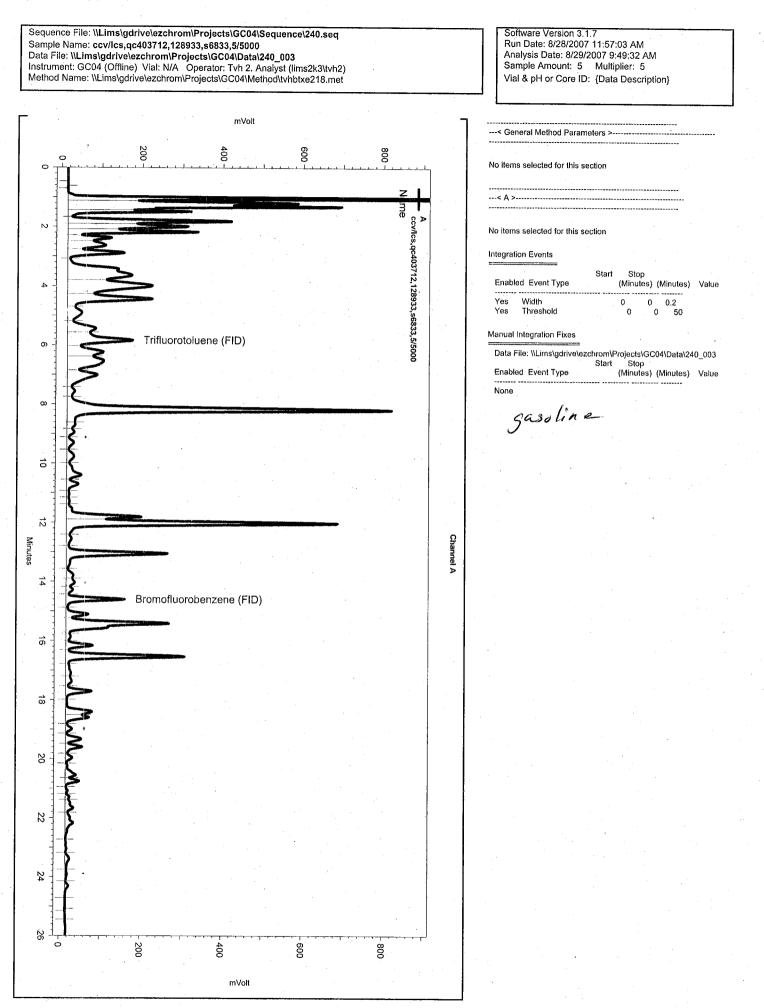


		e Hydrocarbons	
Client: Ge Project#: 01	7193 omatrix Consultants 1037.001	Location: Prep: Analysis:	2301 Linclon EPA 5030B EPA 8015B
Units: ug	ter /L 000	Batch#: Sampled: Received:	128933 08/24/07 08/27/07
		_	
Type: SAM	1-082407 PLE	Lab ID: Analyzed:	197193-005 08/29/07
Analyte Gasoline C7-C12	Result ND	RL 50	
Surrogate Trifluorotoluene (F Bromofluorobenzene	ID) 107 72-136		
Field ID: MW- Type: SAM	<del>-</del>	Lab ID: Analyzed:	197193-006 08/29/07
Analyte Gasoline C7-C12	Result ND	RL 50	
Surrogate Trifluorotoluene (F Bromofluorobenzene	ID) 102 72-136		
Type: BLAI Lab ID: QC40	NK 03711	Analyzed:	08/28/07
Analyte Gasoline C7-C12	Result ND	RL 50	
Surrogate Trifluorotoluene (F Bromofluorobenzene			

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation L= Lighter hydrocarbons contributed to the quantitation Y= Sample exhibits chromatographic pattern which does not resemble standard b= See narrative ND= Not Detected

RL= Reporting Limit >LR= Response exceeds instrument's linear range

Page 2 of 2



Page 2 of 4 (7) Curtis & Tompkins Ltd.



Trifluorotoluene (FID)

Bromofluorobenzene (FID)

	Total Vola	tile Hydrocarbo	ons	
Lab #: Client:	197193 Geomatrix Consultants	Location: Prep:	2301 Linclo: EPA 5030B	n
Project#:	011037.001	Analysis:	EPA 8015B	
Type: Lab ID: Matrix: Units:	LCS QC403712 Water ug/L	Diln Fac: Batch#: Analyzed:	1.000 128933 08/28/07	
An Gasoline C7-(	nalyte         Spikes           C12         2,000	1 Res 1,9	ult %RE 00 95	C Limits 80-120
Sui	crogate %REC Limit			

140 \*

113

72-136

78-131

\*= Value outside of QC limits; see narrative Page 1 of 1



	Total Vola	tile Hydrocarbc	ns
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8015B
Field ID:	MW-3-082407	Batch#:	128933
MSS Lab ID:	197193-001	Sampled:	08/24/07
Matrix:	Water	Received:	08/27/07
Units:	ug/L	Analyzed:	08/28/07
Diln Fac:	1.000		

Type:	MS		Lab ID:	QC403713		
	Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline (	C7-C12	16.92	2,000	1,690	84	79-120
	Surrogate	%REC Limits				
Trifluorot	toluene (FID)	138 * 72-136				
Bromofluor	robenzene (FID)	114 78-131				
Туре:	MSD		Lab ID:	QC403714		
	Analyte	Spiked	Resi	ilt %REC	Limits	RPD Lim
Gasoline C		<b>Spiked</b> 2,000	Rest 1,80		Limits 79-120	<b>RPD Lim</b> 10 20
Gasoline (						
Gasoline ( Trifluorot	Surrogate	2,000				

\*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference
Page 1 of 1



		B	TXE & C	Dxygenates			
Lab #;	197193			Location:		2301 Linclon	
Client:	Geomatrix Co	nsultants	1	Prep:		EPA 5030B	
Project#:	011037.001			Analysis:		EPA 8260B	
Field ID:	MW-3-082407			Batch#:		128955	
Lab ID:	197193-001			Sampled:		08/24/07	
Matrix:	Water			Received:		08/27/07	
Units:	ug/L			Analyzed:		08/29/07	
Diln Fac:	1.000					. ,	
Anal		R	esult		<b>RL</b> 10		
MTBE		ND			0.5		
Isopropyl Ether	C (DIPE)	ND			0.5		
Ethyl tert-Buty		ND			0.5	;	
1,2-Dichloroeth	ane	ND			0.5		
Benzene		ND			0.5		
Methyl tert-Amy	l Ether (TAME)	ND			0.5		
<sup>•</sup> Toluene		ND			0.5		
1,2-Dibromoetha	ne	ND			0.5		
Ethylbenzene		ND			0.5		
<code>`m,p-Xylenes</code>		ND			0.5		
`o-Xylene		ND			0.5		
Surro			Limits				
Dibromofluorome			80-123				
1,2-Dichloroeth	ane-d4		79-134				
Toluene-d8		105	80-120				

114

80-122

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

Bromofluorobenzene



		BTXE	& Oxygenates	
Lab #: Client:	197193 Geomatrix Consu	ltante	Location:	2301 Linclon
Project#:	011037.001	ittailts	Prep: Analysis:	EPA 5030B EPA 8260B
Field ID: Lab ID:	MW-1-082407 197193-002		Batch#:	129059
Matrix:	197193-002 Water		Sampled: Received:	08/24/07 08/27/07
Units:	ug/L		Analyzed:	08/31/07
Diln Fac:	1.000 lyte			
tert-Butyl Alc		Resu. ND		10
MTBE		ND		0.5
Isopropyl Ethe Ethyl tert-But		ND		0.5
1,2-Dichloroet		ND ND		0.5 0.5
Benzene Methyl tert-Am	yl Ether (TAME)	3 ND	3.0	0.5

0.5

0.5

0.5

0.5

0.5

ND

ND

 $\mathbb{ND}$ 

ND

111

113

99

115

%REC Limits

1.5

80-123

79-134

80-120

80-122

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

Toluene

o-Xylene

Toluene-d8

1,2-Dibromoethane

Dibromofluoromethane

Bromofluorobenzene

1,2-Dichloroethane-d4

Surrogate

Ethylbenzene

m,p-Xylenes



	BTXE	& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Field ID:	MW-10-2082407	Batch#:	128955
Lab ID:	197193-003	Sampled:	08/24/07
Matrix:	Water	Received:	08/27/07
Units:	ug/L	Analyzed:	08/29/07
Diln Fac:	1.000	20041	

Analyte	Rei	sult	RL
tert-Butyl Alcohol (TBA)	ND	R	10
MTBE	ND	1	0.5
Isopropyl Ether (DIPE)	ND		0.5
Ethyl tert-Butyl Ether (ETBE)	ND		0.5
1,2-Dichloroethane	ND	}	0.5
Benzene	ND		0.5
Methyl tert-Amyl Ether (TAME)	ND		0.5
Toluene	ND		0.5
1,2-Dibromoethane	ND		0.5
Ethylbenzene	ND		0.5
m,p-Xylenes	ND	1	0.5
o-Xylene	ND		0.5

Surrogate	%REC	
Dibromofluoromethane	112	80-123
1,2-Dichloroethane-d4	125	79-134
Toluene-d8	106	80-120
Bromofluorobenzene	113	80-122



	BTXE	& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Field ID:	EB-1-082407	Batch#:	128955
Lab ID:	197193-004	Sampled:	08/24/07
Matrix:	Water	Received:	08/27/07
Units:	ug/L	Analyzed:	08/29/07
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	117	80-123
1,2-Dichloroethane-d4	124	79-134
Toluene-d8	104	80-120
Bromofluorobenzene	116	80-122



		BTXE	& Oxygenates	
Lab #:	197193		Location:	2301 Linclon
Client:	Geomatrix Cons	ultants	Prep:	EPA 5030B
Project#:	011037.001		Analysis:	EPA 8260B
Field ID:	TB-1-082407		Batch#:	128955
Lab ID:	197193-005		Sampled:	08/24/07
Matrix:	Water		Received:	08/27/07
Units:	ug/L		Analyzed:	08/29/07
Diln Fac:	1.000		initially beta.	00/23/07
	alyte cohol (TBA)	Resul		L 10
tert-Butyl Alc				L 10
tert-Butyl Alc MTBE	cohol (TBA)	ND ND		10 0.5
tert-Butyl Alc MTBE Isopropyl Ethe	cohol (TBA) er (DIPE)	ND ND ND		10 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But	cohol (TBA) er (DIPE) yl Ether (ETBE)	ND ND ND ND		10 0.5 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But 1,2-Dichloroet	cohol (TBA) er (DIPE) yl Ether (ETBE)	ND ND ND ND ND		10 0.5 0.5 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But 1,2-Dichloroet Benzene	cohol (TBA) er (DIPE) cyl Ether (ETBE) chane	ND ND ND ND ND ND		10 0.5 0.5 0.5 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But 1,2-Dichloroet Benzene Methyl tert-Am	cohol (TBA) er (DIPE) yl Ether (ETBE)	ND ND ND ND ND ND ND		10 0.5 0.5 0.5 0.5 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But 1,2-Dichloroet Benzene Methyl tert-Am Toluene	cohol (TBA) er (DIPE) yl Ether (ETBE) hane yl Ether (TAME)	ND ND ND ND ND ND ND ND		10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But 1,2-Dichloroet Benzene Methyl tert-Am Toluene 1,2-Dibromoeth	cohol (TBA) er (DIPE) yl Ether (ETBE) hane yl Ether (TAME)	ND ND ND ND ND ND ND ND ND		10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
tert-Butyl Alc MTBE Isopropyl Ethe Ethyl tert-But 1,2-Dichloroet Benzene Methyl tert-Am Toluene	cohol (TBA) er (DIPE) yl Ether (ETBE) hane yl Ether (TAME)	ND ND ND ND ND ND ND ND		10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-123
1,2-Dichloroethane-d4	124	79-134
Toluene-d8	106	80-120
Bromofluorobenzene	113	80-122



	BTXE (	& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	128955
Lab ID:	197193-006	Sampled:	08/24/07
Matrix:	Water	Received:	08/27/07
Units:	ug/L	Analyzed:	08/29/07
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	0.5	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	117	80-123
1,2-Dichloroethane-d4	127	79-134
Toluene-d8	107	80-120
Bromofluorobenzene	111	80-122



		& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC403833	Batch#:	128955
Matrix:	Water	Analyzed:	08/29/07
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	! Limits
Dibromofluoromethane	113	80-123
1,2-Dichloroethane-d4	122	79-134
Toluene-d8	104	80-120
Bromofluorobenzene	113	80-122



	BTXE	& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC404389	Batch#:	129059
Matrix:	Water	Analyzed:	08/31/07
Units:	ug/L	-	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-123
1,2-Dichloroethane-d4	106	79-134
Toluene-d8	90	80-120
Bromofluorobenzene	103	80-122

	BTXE	& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	128955
Units:	ug/L	Analyzed:	08/29/07
Diln Fac:	1.000		

Type: BS		Lab ID: Q	C403834	
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAME) Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes	<b>Spiked</b> 125.0 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00	<b>Result</b> 124.8 26.73 28.79 27.35 26.79 26.45 23.93 24.10 23.57 26.17 48.90	8888C 100 107 115 109 107 106 96	Limits 68-132 71-120 65-120 75-124 79-121 80-120 80-120 80-120 80-124 80-127
o-Xylène	25.00	24.71	99	80-124
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	%REC         L1mits           115         80-123           122         79-134           104         80-120           110         80-122			

Type: BSD		Lał	D ID:	QC403	3835			
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether	(ETBE)	<b>Spiked</b> 125.0 25.00 25.00 25.00 25.00 25.00 25.00 25.00		tesult 143.4 26.76 28.97 27.10 25.96 26.44 23.60	<b>%REC</b> 115 107 116 108 104 104 106 94	Limits 68-132 71-120 65-120 75-124 79-121 80-120 77-120	<b>RPD</b> 14 0 1 1 3 0	<b>Lin</b> 20 20 20 20 20 20 20 20
Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene		25.00 25.00 25.00 50.00 25.00	<u> </u>	24.85 23.57 25.95 49.51 24.56	94 99 94 104 99 98	80-120 80-120 80-120 80-124 80-127 80-124	1 0 1 1	20 20 20 20 20 20
Surrogate Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 Bromofluorobenzene	*REC 112 119 106 109	Limits 80-123 79-134 80-120 80-122						

RPD= Relative Percent Difference Page 1 of 1

	BTXE	& Oxygenates	
Lab #:	197193	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	<u> </u>	EPA 8260B
Matrix:	Water	Batch#:	129059
Units:	ug/L	Analyzed:	08/31/07
Diln Fac:	1.000		

Type: BS		Lab II	D: QC4042	89	
MTBE Isopropyl Ether (DIF Ethyl tert-Butyl Eth 1,2-Dichloroethane Benzene Methyl tert-Amyl Eth Toluene 1,2-Dibromoethane Ethylbenzene	er (ETBE)	Spiked 125.0 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00	Result 110.9 24.46 25.73 24.09 24.17 24.69 23.91 22.37 22.89 24.36	<b>*REC</b> 89 98 103 96 97 99 96 89 92 92 97	<b>Limits</b> 68-132 71-120 65-120 75-124 79-121 80-120 80-120 80-120 80-120 80-124
m,p-Xylenes o-Xylene Surrogate	*REC	50.00 25.00	47.18 24.46	94 98	80-124 80-127 80-124
Dibromofluoromethane 1,2-Dichloroethane-d Toluene-d8 Bromofluorobenzene	106	Limits 80-123 79-134 80-120 80-122			

Type: BS	D .	La	ab ID:	QC404	290			
Analyte		Spiked		Result	%REC		RPD	Lim
tert-Butyl Alcohol	(TBA)	125.0		124.2	99	68-132	11	20
MTBE		25.00		25.46	102	71-120	4	20
Isopropyl Ether (D		25.00		26.68	107	65-120	4	20
Ethyl tert-Butyl E	ther (ETBE)	25.00		25.03	100	75-124	4	20
1,2-Dichloroethane		25.00		24.63	99	79-121	2	20
Benzene	· · · · · · · · · · · · · · · · · · ·	25.00		25.52	102	80-120	3	20
Methyl tert-Amyl E	ther (TAME)	25.00		24.83	99	77-120	4	20
Toluene		25.00		23.53	94	80-120	5	20
1,2-Dibromoethane		25.00		24.24	97	80-120	6	20
Ethylbenzene		25.00		25.24	101	80-124	4	20
m,p-Xylenes		50.00		50.13	100	80-127	6	20
o-Xylene		25.00		25.83	103	80-124	5	20
Surrogati	e %REC	Limits						
Dibromofluorometha		80-123						
1,2-Dichloroethane	-d4 103	79-134						
Toluene-d8	97	80-120						
Bromofluorobenzene	106	80-122						

RPD= Relative Percent Difference Page 1 of 1

	BTXE	& Oxygenates	
Lab #: Client: Project#: Field ID: MSS Lab ID: Matrix: Units: Diln Fac:	197193 Geomatrix Consultants 011037.001 MW-3-082407 197193-001 Water ug/L 1.000	Location: Prep: Analysis: Batch#: Sampled: Received: Analyzed:	2301 Linclon EPA 5030B EPA 8260B 128955 08/24/07 08/27/07 08/29/07

Type:	MS		La	ab ID:	QC403922		
1,2-Dichlor Benzene	Cther (DIPE) Butyl Ether (ETBE) Coethane -Amyl Ether (TAME) ethane	MSS	<b>Result</b> <2.015 <0.1543 <0.1648 <0.1427 <0.1266 <0.1121 <0.1000 <0.1078 <0.1097 <0.05852 <0.1257 <0.03439	<b>5p1ked</b> 125.0 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00	Result 130.2 27.57 31.73 27.76 28.18 28.45 22.16 25.12 24.20 27.37 49.73 25.35	*REC 104 110 127 * 111 113 114 89 100 97 109 99	Limits 69-137 73-120 69-120 78-127 80-128 80-123 79-120 80-122 80-122 80-120 80-126 80-125
Dibromofluo 1,2-Dichlor Toluene-d8 Bromofluoro	oethane-d4	*REC 120 128 104 113	Limits 80-123 79-134 80-120 80-122	23.00	25.35	101	

Type: MSD		Lab ID:	QC403	923			
Analyte tert-Butyl Alcohol (TBA) MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether (ETBE) 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether (TAME) Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	<b>Spiked</b> 125.0 25.00		Result 142.9 27.28 30.62 27.31 27.62 27.05 22.65 24.84 23.75 27.58 50.69 25.71	*REC 114 109 122 * 109 110 108 91 99 95 110 101 101 103	Limite 69-137 73-120 69-120 78-127 80-128 80-123 79-120 80-122 80-122 80-120 80-126 80-124	RPD         13           9         20           1         20           2         20           2         20           2         20           5         20           1         20           2         20           1         20           1         20           1         20           1         20           1         20           1         20	
1,2-Dichloroethane-d4 Toluene-d8	%REC         Limits           118         80-123           121         79-134           103         80-120           111         80-122						

\*= Value outside of QC limits; see narrative RPD= Relative Percent Difference Page 1 of 1



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

## Laboratory Job Number 197343 ANALYTICAL REPORT

Geomatrix Consultants 2101 Webster Street Oakland, CA 94612

Project : 11037.001 Location : Sebanc-Alameda Level : II

<u>Sample ID</u>	Lab ID
EB-9-2.0	197343-001
EB-8-1.5	197343-002

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. This report may be reproduced only in its entirety.

Signature: Project Manager

ATT

Signature:

Operations Manager

NELAP # 01107CA

Date: \_09/18/2007

Date: <u>09/18/2007</u>

Page 1 of



## CASE NARRATIVE

Laboratory number: Client: Project: Location: Request Date: Samples Received:

197343 Geomatrix Consultants 11037.001 Sebanc-Alameda 08/31/07 08/17/07

This hardcopy data package contains sample and QC results for two soil samples, requested for the above referenced project on 08/31/07. The samples were received cold and intact.

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

High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in the LCS/MS/MSD for batch 129103. 197343-001 and 197343-002 were analyzed outside of hold time per client's request; affected data was qualified with "b". No other analytical problems were encountered.

# Volatile Organics by GC/MS (EPA 8260B):

197343-001 and 197343-002 were analyzed outside of hold time per client's request; affected data was qualified with "b". No other analytical problems were encountered.

<b>OAK</b> 12436	4			YES NO				MS/WEDDITTIONAL MS/MSD MS/MSD MS/MSD MS/MSD MS/MSD	Memerily C			ANTH WORDHARD						expected high			V V Procord high	5	S Fuel Querenation (TAME NIPE	-DB 1 7	here a h land a hard a hard a h	nd sodium bisulfact			Geomatriv	
197393	DATE: S/14/07			GEOTRACKER REQUIRED	SITE SPECIFIC GLOBAL ID NO		ater (W),	CONTAINER Soli (S), W Soli (S), W Vapor (V),							SYDAS, 1 8-02 Wr							<b>-</b>	SAMPLING COMMENTS & BTEX S FUEL	ETBE TAA, TBA) 7 FUR	only, '	* preamed w/methanol and sodium bicultate			z 101 webster Street, 12th Floor Oakland, California 94612-3066	Tel 510.663.4100 Fax 510.663.4141
# 196922	LEADERTORY NAME LEADERS RAME MORATION	LABORATORY ADDRESS:	Bereley, CA	1 Transcondent	SIO-204-2231	ANALYSES	(0109) (0928)*	1704 1704 1977 3701 9701			X					×	×					RECEIVED BY: DATE TIME	SIGNATURE:	PRINTED NAME:	COMPANY:	SIGNATURE:	PKIN IED NAME: COMPANY:	SIGNATURE:	PRINTED NAME:	COMPANY:
CHAIN-OF-CUSTODY RECORD	PROJECT NAME: Sevence - 4 Lameda PROJECT NUMBER: 11 037, 001	TIPRAPPINITME. J. POLPONS / A. Patter		1 21 Contraction	lais county	SAMPLERS (SIGNATURE):	Chr	ATE TIME SAN	- Z-0W	MW -2-1	- I-MM	1440 mm - 1 - 2 - 2	1-16	MW-1-3	1042 EB-9-2.0	1650 6B-8-	8/14/07 0835 EB-1-4.0	EQ-1-1	- [-Q-]-	0912 EB-10-20 0947 EK-11-7 0	E8-6-	JISHED BY: DATE TIME	Kon Kon	1aton	20 Marty al		COMPANY:	SIGNATURE	PRINTED NAME:	COMPANY:

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			Q		-		ADDITIONAL COMMENTS		Orpected high						ALL NAC	$\sim$	U-him we				-idict	(4/Q-2		2	-9 anly	U /m	Xurturx	trix
PAGE 2 OF 3			YES				Cooled MS/MSD No. of Conf	2	1 1 6	9	9	9	9	9	Vino arrocc	MS/W II WS/MS	N L HACLORY	VN2 3	•		TIME	(EDB)	1	odium bisultate	and 80-2	Surple - Tark to R. Butter WI		Geomatrix
DATE: $S/16/07$ Reporting requirements:			GEOTRACKER REQUIRED	SITE SPECIFIC GLOBAL ID NO.		ater (W), or Other (O)										18 De jar	8-02 Jav 1	Henry O		ERS:	TX CFINIOXISENTS	+		memorial and sodium	Dr Br FB-5-12.5			11a 94612-3066 Fax 510 663 4141
			9	ø			CONTAINER TYPE AND SIZE	5 VOA, 1 &									101/04×	2 1005		TOTAL NUMBER OF CONTAINERS:	SAMPLING COMMENTS: * 1375	ETISE THA TRA	Only.	A Proceded w/n	Upls fin melons on Fig. 5	Spls non try blank-to soil in	2101 Webster Street, 12th Floor	Uakiand, California 94612-3066 Tel 510 663 4100 Eax 510 663 41
CLIENT INFORMATION:					ANALYSES															DATE TIME	<i>•</i>							
dla ABPRATOZY NAME JTT L	LAD 1 13 7 1 0/19 10	Burever, UA	LABORATORY GONTACT / L	50-204-2231	AN	(0109) (0928) (1928)	רפיק הפיק הארק	XXX	XX	X	X									RECEIVED BY:	SIGNATURE:	PRINTED NAME:	COMPANY:	SIGNATURE:			PRINTED NAME:	COMPANY
16 - Alame	Patter				NATURE):		SAMPLE NUMBER	E8-6-14.0 X	4-10.	- 4 - 1	5	6	-3-11-	'n	-5-3.0	-2-12-	3, 21,9	X +09180-		TIME	. (		د در			5	<u>5</u> <u></u>	8 
PROJECT NAME: Sevan	RESULTS TO, TONCAS		LE SHIPMENI ME I HOU:	- wain	SAMPLERS (SIGNATURE):	AL					~			7	1355 58	17 CVT	70	1 - 76		RELINQUISHED BY:	SIGNATURE	PRINTED NAME: Patton	COMPANY COMPANY	SIGNATURE: DRINTED NAME:	COMPANY.	SIGNATIPE	PRINTED NAME:	COMPANY-

	CHAIN-OF-CUSTODY RECORD	本196922	OAK 12334
	ME: Sebanc- Alan	meda	DATE: 8/16/07 PAGE 2 OF 2
	100 -	LABORATORY NAME: CURTIS + TOMININS CLIENT INFORMATION:	UREMENTS:
	TIDNADALIN TWATTON	LABORATORY ADDRESS:	
	480	BERKELEY, CA	
	<u> </u>	LABORATORY CONTAGT: Rabertory Contract:	GEOTRACKER RECUIRED
		LABORATORY PHONE NUMBER:	C
•	SAMPLERS (SIGNATURE):	ANALYSES	
	and	(0109 ) ) (09E (HSTOR	ype
	DATE	() T 01 ) (17 01 2) 5 20/ 2) 5 HJ	CONTAINER ADDITIONAL ADDITIONAL ADDITIONAL ADDITIONAL
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	V 1510 EB-3U-081607		V V V V 6
- 			
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-	TIME	ED BY: DATE TIME	TOTAL NUMBER OF CONTAINERS:
			MENTS () Anclyze BTEX, FUEL OXYGENATES
	Mutter 16 33	FUNCED NAME: COMPANY	ETBE, TAA TBA)
			(EDB 1 2 - 1)cA>
	-	WE	1 EQ-5-081607, 2 and
		COMPANY:	
	SIGNATURE	SIGNATURE	
•	PRINTED NAME:	AME:	2101 Webster Street, 12th Floor Oakland, California 94612-3066
		COMPANY: Tel 510.663.	Tel 510.663.4100 Fax 510.663.4141

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#### **Robert Butler**

From:"Avery Patton" <apatton@geomatrix.com>To:"Robert Butler" <robert.butler@ctberk.com>Sent:Friday, August 31, 2007 3:50 PMSubject:196922 - pls analyze:

#### Hi Robert -

It looks like we do want to analyze two additional samples just out of hold time: 196922-8 and 196922-9 for

TPHg

BTEX, MTBE, 5 fuel oxys, 2 fuel additives

If you could at least get those started today, that would be great so that we can say they were run only two days out of hold time.

197343

Thanks!

Avery

Avery Patton Staff Geologist Geomatrix Consultants, Inc. 2101 Webster St., 12th Floor Oakland, CA 94612 P: 510-663-4154 F: 510-663-4141 http://www.geomatrix.com

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SOP	Volume: Client Services	in dia kaominina dia kaomini 🖬
Sectio		Curtis & Tompkins, Ltc
Page:		
	tive Date: 08-Aug-07	
Revis Filenz		
rnenz		
	COOLER RECEIPT CHECKLIST	
Logi	n#: Date Received: 8-[7-Z007 Number of Coolers: ht: Project: SEGUC -ALAME	2
Clier	nt: GEOMATRIX Project: SEGUC -ALAME	DA
A.	Preliminary Examination Phase $()$	$\mathbf{N}$
A.	Date Opened: $8 \cdot 7 \cdot 200$ By (print): $10 \cdot 100$ (sign)	
1.	Did cooler come with a shipping slip (airbill, etc.)?	YES NO
1.	If YES, enter carrier name and airbill number:	ILS NU
<b>`</b>		YES NO
2.	Were custody seals on outside of cooler?	
	How many and where? Seal date: 8-16-0-Seal nam	
3.	Were custody seals unbroken and intact at the date and time of arrival?	
4.	Were custody papers dry and intact when received?	
5.	Were custody papers filled out properly (ink, signed, etc.)?	
6.	Did you sign the custody papers in the appropriate place?	
7.	Was project identifiable from custody papers?	YES`NO
	If YES, enter project name at the top of this form.	
8.	Describe type of packing in cooler: <u>21.DLCC</u>	
9.	If required, was sufficient ice used? Samples should be <=6 degrees C	
	Type of ice: WET Temperature: NO TEMP	BCONK
10.	Were Encore sampling devices present in the cooler?	YES(NŎ)
	If YES, enter time they were transferred to the freezer	
	$\sim$ 0	$\nabla V$ = $-$
B.	Login Phase	
	Date Logged In: X-(7-2007 By (print)-La) TavAVA (sign)	
1.	Did all bottles arrive unbroken?	YES NO
2.	Were labels in good condition and complete (ID, date, time, signature, etc	.)? ES NO
3.	Did bottle labels agree with custody papers?	YES NO
4.	Were appropriate containers used for the tests indicated?	VES NO
5.	Were correct preservatives added to samples?	VES NO
6.	Was sufficient amount of sample sent for tests indicated?	VEC NO
7.	Were bubbles absent in VOA samples? If NO, list sample Ids below	
8.	Was the client contacted concerning this sample delivery?	
0.		
	Who was called?By whom?	Deter
	Who was called?By whom?	Date:
Addi	tional Comments:	
		· · · · · · · · · · · · · · · · · · ·
Filenan	ne: F:\qc\forms\qc\cooler.doc	Rev. 3, 08/07

Curtis & Tompkins, Ltd.

Curti	s & Tompkins Lab	oratories Analy	ical Report	
Lab #: 197343			-	
	x Consultants	Location:	Sebanc-Alameda	
Project#: 11037.00		Prep:	EPA 5030B	
Matrix: Soil		Sampled:	08/15/07	
Basis: as recei	ved	Received:	08/17/07	
Diln Fac: 1.000		Analyzed:	09/04/07	
Batch#: 129103		maryzeu.	09/04/07	
Field ID: EB-9-2.0		Lab ID:	197343-001	
Type: SAMPLE				
Analyte Gasoline C7-C12	Result	RL	Units Analysis	
MTBE	ND b <0.90		mg/Kg EPA 8015B	
Benzene	ND b <194	-	ug/Kg EPA 8021B	
Toluene	ND b < 4.61		ug/Kg EPA 8021B	
TOTRETIE	ND b	4.8	ug/Kg EPA 8021B	
Fthylbongono	NTD 1			
Ethylbenzene	ND b	4.8	ug/Kg EPA 8021B	
m,p-Xylenes	ND b	4.8	ug/Kg EPA 8021B ug/Kg EPA 8021B	
-			ug/Kg EPA 8021B	
m,p-Xylenes o-Xylene	ND b ND b	4.8 4.8	ug/Kg EPA 8021B ug/Kg EPA 8021B	
m,p-Xylenes	ND b ND b %REC Limits	4.8 4.8 Analysis	ug/Kg EPA 8021B ug/Kg EPA 8021B	
m,p-Xylenes o-Xylene Surrogate	ND b ND b %REC Limits	4.8 4.8 Analysis EPA 8015B	ug/Kg EPA 8021B ug/Kg EPA 8021B	
m,p-Xylenes o-Xylene Surrogate Trifluorotoluene (FID)	ND b ND b %REC Limits 87 b 70-132	4.8 4.8 Analysis EPA 8015B EPA 8015B	ug/Kg EPA 8021B ug/Kg EPA 8021B	

b= See narrative
ND= Not Detected
RL= Reporting Limit
Page 1 of 2



	Curtis & Tompkins La	boratories Anal	lytical Report
Lab #: Client: Project#:	197343 Geomatrix Consultants 11037.001	Location: Prep:	Sebanc-Alameda EPA 5030B
Matrix: Basis: Diln Fac: Batch#:	Soil as received 1.000 129103	Sampled: Received: Analyzed:	08/15/07 08/17/07 09/04/07
Field ID: Type:	EB-8-1.5 SAMPLE	Lab ID:	197343-002
An Cocoline (17)	nalyte Result	RL	Units Analysis

Gasoline C7-C12	TTI I ANDBILLY		CHILCO MIGLYDID
Gasorine C/~CIZ	ND b <0.90 UJ	0.98	mg/Kg EPA 8015B
MTBE	ND b < 2045	20	ug/Kg EPA 8021B
Benzene	ND b < 4,945	4.9	ug/Kg EPA 8021B
Toluene	ND b	4.9	ug/Kg EPA 8021B
Ethylbenzene	ND b	4.9	ug/Kg EPA 8021B
m,p-Xylenes	ND b	4,9	ug/Kg EPA 8021B
o-Xylene	ND b	4.9	ug/Kg EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107 b	70-132	EPA 8015B
Bromofluorobenzene (FID)	110 b	66-138	EPA 8015B
Trifluorotoluene (PID)	100 b	63-142	EPA 8021B
Bromofluorobenzene (PID)	102 b	70-129	EPA 8021B

Type:	BLANK		Lab ID:	QC404519
	alyte	Result	RL	Units Analysis
Gasoline C7-C	12	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)	98	70-132	EPA 8015B
Bromofluorobenzene (FID)	102	66-138	EPA 8015B
Trifluorotoluene (PID)	93	63-142	EPA 8021B
Bromofluorobenzene (PID)	96	70-129	EPA 8021B

b= See narrative

ND= Not Detected

RL= Reporting Limit

Page 2 of 2



	Curtis & Tompkins La	boratories Anal	Lytical Report
Lab #:	197343	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC404520	Diln Fac:	1.000
Matrix:	Soil	Batch#:	129103
Units:	ug/Kg	Analyzed:	09/04/07

Analyte	Spiked	Result	%REC	Limits
MTBE	100.0	97.22	97	70-125
Benzene	100.0	95.00	95	80-120
Toluene	100.0	101.1	101	80-120
Ethylbenzene	100.0	102.1	102	80-120
m,p-Xylenes	100.0	103.6	104	80-120
o-Xylene	100.0	104.7	105	80-120

Surrogate	%RE	
Trifluorotoluene (PID)	93	63-142
Bromofluorobenzene (PID)	100	70-129



				•				
	Curtis (	a Tompki:	ns Labor	atories A	Analyt:	ical	Report	
Lab #:	197343			Location:		Seba	nc-Alame	da
Client:	Geomatrix	Consultant	s	Prep:		EPA	5030B	
Project#:	11037.001			Analysis:		EPA	8015B	
Type:	LCS			Basis:	- <b>1</b> , 2	as r	eceived	
Lab ID:	QC404521			Diln Fac:		1.00	0	
Matrix:	Soil			Batch#:		1291	03	
Units:	mg/Kg			Analyzed:		09/0	4/07	
000000000000000000000000000000000000000								
	alyte		Spiked		Result		%REC	Limits
Gasoline C7-C	12		10.00	<u>.</u>	10.4	42	104	80-120
Sur	rogate		Limits					
Trifluorotolu		145 *	70-132		<u>.</u>			
Bromofluorobe		137	66-138					

\*= Value outside of QC limits; see narrative Page 1 of 1



	Curtis & Tompkins La	boratories Anal	ytical Report
Lab #:	197343	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	11037.001	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	197330-006	Batch#:	129103
Matrix:	Soil	Sampled:	08/30/07
Units:	mg/Kg	Received:	08/31/07
Basis:	as received	Analyzed:	09/05/07

Type:	MS			Lab ID:	QC404	635		
Gasoline	Analyte C7-C12	Concerning Concerning	esult 0.03662	Spiked		<b>esult</b> 1.257	<b>%REC</b> 57	Limits 36-120
Trifluoro Bromofluo	Surrogate toluene (FID) robenzene (FID)	%REC 139 * 132	<b>Limits</b> 70-132 66-138					
Туре:	MSD			Lab ID:	QC404	636		

Analyte		Spiked	Result	%RE	C Limits	RPI	) Lim
Gasoline C7-C12		2.141	1.198	54	36-120	5	29
Surrogate	%REC	Limits					
Trifluorotoluene (FID)	136 *	70-132				*****	<u></u>
Bromofluorobenzene (FID)	141 *	66-138					

\*= Value outside of QC limits; see narrative RPD= Relative Percent Difference Page 1 of 1



		Gasoline O	cygenates by G	C/MS	
Lab #:	197343		Location:	Sebanc-Alamed	a
Client: Project#:	Geomatrix Cons	sultants	Prep:	EPA 5035	
Matrix:	<u>11037.001</u> Soil		<u>Analysis:</u>	EPA 8260B	
Units:	ug/Kg		Sampled: Received:	08/15/07 08/17/07	1
Basis:	as received		Analyzed:	09/07/07	
Batch#:	129230		initial y bott.	03707707	
	EB-9-2.0 SAMPLE		Lab ID:	197343-001	
rype.	SAMPLE		Diln Fac:	0.9259	
Analy		Result		RL	
tert-Butyl Alcoh	ol (TBA)	ND b		93	
MTBE Isopropyl Ether	(תתדת)	ND b		4.6	
Ethyl tert-Butyl	(DIPE) Ether (ETBE)	ND b ND b		4.6 4.6	
Methyl tert-Amyl	Ether (TAME)	ND b		4.6	
1,2-Dichloroetha	ne	ND b		4.6	
1,2-Dibromoethan	e	ND b		4.6	
<b>C</b> • • • • • • • • • • • • • • • • • • •	ate	%REC Limit			
Dibromofluoromet	hane				
Dibromofluoromet	hane	114 b 78-12 129 b 76-13	6		
Dibromofluoromet 1,2-Dichloroethan Toluene-d8	hane ne-d4	114 b 78-12 129 b 76-13 102 b 80-12	6 5 0		
Dibromofluoromet	hane ne-d4	114 b 78-12 129 b 76-13	6 5 0		
Dibromofluoromet 1,2-Dichloroethan Toluene-d8	hane ne-d4	114 b 78-12 129 b 76-13 102 b 80-12	6 5 0		
Dibromofluoromet 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen	hane ne-d4	114 b 78-12 129 b 76-13 102 b 80-12	6 5 0 6	197343-002	
Dibromofluoromet 1,2-Dichloroethar Toluene-d8 Bromofluorobenzer Field ID:	hane ne-d4 ne	114 b 78-12 129 b 76-13 102 b 80-12	6 5 0	197343-002 0.9091	
Dibromofluoromet 1,2-Dichloroethar Toluene-d8 Bromofluorobenzer Field ID: 1 Type: 5	hane ne-d4 EB-8-1.5 SAMPLE	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12	6 5 0 6 Lab ID: Diln Fac:	0.9091	
Dibromofluoromet 1,2-Dichloroethar Toluene-d8 Bromofluorobenzer Field ID: 1 Type: 5	hane ne-d4 EB-8-1.5 SAMPLE <b>te</b>	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 Result	6 5 0 6 Lab ID: Diln Fac:	0.9091 RL	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Analy tert-Butyl Alcoho	hane ne-d4 EB-8-1.5 SAMPLE <b>te</b>	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 <u>94 b 80-12</u> <u>Result</u> ND b	6 5 0 6 Lab ID: Diln Fac:	0.9091 RL 91	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Analy tert-Butyl Alcoho MTBE	hane ne-d4 EB-8-1.5 SAMPLE <b>te</b> ol (TBA)	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 <u>94 b 80-12</u> <u>Result</u> ND b ND b	6 5 0 6 Lab ID: Diln Fac:	0.9091 RL 91 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: I Type: S Analy tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl	hane ne-d4 EB-8-1.5 SAMPLE <b>Ee</b> D1 (TBA) (DIPE) Ether (ETBE)	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 <u>94 b 80-12</u> <u>Result</u> ND b	6 5 0 6 Lab ID: Diln Fac:	0.9091 RL 91 4.5 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Maaly tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl	hane ne-d4 EB-8-1.5 SAMPLE cl (TBA) (DIPE) Ether (ETBE) Ether (TAME)	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 94 b 80-12 ND b ND b ND b ND b	6 5 0 6 Lab ID: Diln Fac:	0.9091 RL 91 4.5	
Dibromofluorometl 1,2-Dichloroethau Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Analy tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroethau	hane ne-d4 <u>ne</u> EB-8-1.5 SAMPLE SAMPLE DI (TBA) (DIPE) Ether (ETBE) Ether (TAME) De	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 94 b 80-12 ND b ND b ND b ND b ND b ND b ND b ND b	6 5 0 6 Lab ID: Diln Fac:	0.9091 91 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Maaly tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl	hane ne-d4 <u>ne</u> EB-8-1.5 SAMPLE SAMPLE DI (TBA) (DIPE) Ether (ETBE) Ether (TAME) De	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 94 b 80-12 94 b 80-12 94 b 80-12	6 5 0 6 Lab ID: Diln Fac:	0.9091 91 4.5 4.5 4.5 4.5 4.5 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Analy tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroethan 1,2-Dibromoethane	hane ne-d4 ne EB-8-1.5 SAMPLE SAMPLE ol (TBA) (DIPE) Ether (ETBE) Ether (TAME) ne e	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 94 b 80-12 ND b ND b ND b ND b ND b ND b ND b ND b	6 5 0 6 Lab ID: Diln Fac:	0.9091 91 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: I Type: S Analy tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroethan 1,2-Dibromoethane Surroge	hane ne-d4 ne EB-8-1.5 SAMPLE te ol (TBA) (DIPE) Ether (ETBE) Ether (TAME) ne e ate nane	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 80 b 80-12 80 b 80-12 80 b 80 b 80 80 b 80	6 5 0 6 Diln Fac:	0.9091 91 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Analy tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroethan 1,2-Dibromofluorometh 1,2-Dichloroethan	hane ne-d4 ne EB-8-1.5 SAMPLE te ol (TBA) (DIPE) Ether (ETBE) Ether (TAME) ne e ate nane ne-d4	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 94 b 80-12 ND b ND b b ND b b ND b b ND b ND b b ND b ND b b ND b	6 5 0 6 Diln Fac: 9 6 5	0.9091 91 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
Dibromofluorometl 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen Field ID: 1 Type: 2 Analy tert-Butyl Alcoho MTBE Isopropyl Ether Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroethan 1,2-Dibromoethane	hane ne-d4 ne EB-8-1.5 SAMPLE <b>te</b> cl (TBA) (DIPE) Ether (ETBE) Ether (TAME) ne e e ate nane ne-d4	114 b 78-12 129 b 76-13 102 b 80-12 94 b 80-12 80 b 80-12 80 b 80-12 80 b 80 b 80 80 b 80	6 5 0 6 Diln Fac: 9 6 5 5	0.9091 91 4.5 4.5 4.5 4.5 4.5 4.5 4.5	

b= See narrative ND= Not Detected RL= Reporting Limit Page 1 of 2

CUT Curtis & Tompkins, Ltd.

Lab #:	197343	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5035
<u>Project#:</u> Matrix:	11037.001	Analysis:	EPA 8260B
	Soil	Sampled:	08/15/07
Jnits:	ug/Kg	Received:	08/17/07
Basis:	as received	Analyzed:	09/07/07
Batch#:	129230		09/07/07

	LANK C405071		Diln Fac:	1.000	
Analyt tert-Butyl Alcoho MTBE Isopropyl Ether ( Ethyl tert-Butyl Methyl tert-Amyl 1,2-Dichloroethan 1,2-Dibromoethane	l (TBA) DIPE) Ether (ETBE) Ether (TAME) e	Result ND ND ND ND ND ND ND ND	RI 10		
Burroga Dibromofluorometh 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen	ane 1 e-d4 1 1	SREC         Limits           04         78-126           12         76-135           01         80-120           5         80-126			

b= See narrative ND= Not Detected RL= Reporting Limit Page 2 of 2



	Gasoline O	xygenates by GO	:/MS
Lab #:	197343	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5035
Project#:	11037.001	Analysis:	EPA 8260B
Туре:	LCS	Basis:	as received
Lab ID:	QC405070	Diln Fac:	1.000
Matrix:	Soil	Batch#:	129230
Units:	ug/Kg	Analyzed:	09/07/07

Analyte	Spiked	Result	%RE(	2 Limits
tert-Butyl Alcohol (TBA)	125.0	106.4	85	56-130
MTBE	25.00	22.84	91	66-120
Isopropyl Ether (DIPE)	25.00	21.59	86	57-120
Ethyl tert-Butyl Ether (ETBE)	25.00	22.38	90	68-120
Methyl tert-Amyl Ether (TAME)	25.00	22.95	92	73-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	78-126
1,2-Dichloroethane-d4	115	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	95	80-126



	Gasoline O	xygenates by G(	:/MS
Lab #:	197343	Location:	Sebanc-Alameda
Client:	Geomatrix Consultants	Prep:	EPA 5035
Project#:	11037.001	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9434
MSS Lab ID:	197462-005	Batch#:	129230
Matrix:	Soil	Sampled:	09/06/07
Units:	ug/Kg	Received:	09/07/07
Basis:	as received	Analyzed:	09/07/07

Type:

MS

QC405170

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<11.25	235.8	141.3	60	45-123
MTBE	<0.4282	47.17	32.55	69	55-120
Isopropyl Ether (DIPE)	<0.3857	47.17	32.17	68	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.4789	47.17	33.14	70	58-120
Methyl tert-Amyl Ether (TAME)	<0.2861	47.17	33.65	71	60-120

Lab ID:

Surrogate	%REC	Limits
Dibromofluoromethane	98	78-126
1,2-Dichloroethane-d4	104	76-135
Toluene-d8	102	80-120
Bromofluorobenzene	96	80-126

Type: MSD			Lab ID:	QC40	5171			
Analyte		Spiked		Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TB.	A)	235.8		164.6	70	45-123	15	32
MTBE		47.17		37.99	81	55-120	15	20
Isopropyl Ether (DIPE)		47.17		37.82	80	50-120	16	20
Ethyl tert-Butyl Ether	(ETBE)	47.17		38.97	83	58-120	16	20
Methyl tert-Amyl Ether	(TAME)	47.17		38.90	82	60-120	14	20
Surrogate	*REC	: Limits						
Dibromofluoromethane	98	78-126			<u></u>			
1,2-Dichloroethane-d4	104	76-135						
Toluene-d8	102	80-120						
Bromofluorobenzene	95	80-126						

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 197464 ANALYTICAL REPORT

Geomatrix Consultants 2101 Webster Street Oakland, CA 94612

Project : 011037.001 Location : 2301 Linclon Level : II

<u>Sample ID</u> MW-10-082407

Lab ID 197464-001

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. This report may be reproduced only in its entirety.

Signature: \_ Marta Project Manager

- F Morris

Signature:

Quality Assurance Director

NELAP # 01107CA

Date: <u>09/18/</u>2007

Date: <u>09/18/2007</u>

Page 1 of



#### CASE NARRATIVE

Laboratory number: Client: Project: Location: Request Date: Samples Received:

197464 Geomatrix Consultants 011037.001 2301 Linclon 09/07/07 08/27/07

This hardcopy data package contains sample and QC results for one water sample, requested for the above referenced project on 09/07/07. The sample was received cold and intact.

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

High surrogate recoveries were observed for bromofluorobenzene (FID) in MW-10-082407 (lab # 197464-001) and trifluorotoluene (FID) in the LCS/MS/MSD for batch 129254. High surrogate recovery was observed for bromofluorobenzene (FID) in MW-10-082407 (lab # 197464-001); the corresponding trifluorotoluene (FID) surrogate recovery was within limits. No other analytical problems were encountered.

# Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

COV	/o 7 PAGE   OF	Say.		VES		ive Type Itäiners		HCL Y X B	- HGL Y 6	- LICL V 6	2 h 7	Hec Y 6						TAME DIPE ETEE	1.2-DCA				<b>Geomatrix</b>	
LOOI ROUTE 2301 LIVUL P Recent and the second of the seco	8/24 VG REQUIREME			GEOTRACKER REQUIRED	SITE SPECIFIC GLOBAL ID NO		CONTAINER TYPE AND SIZE	3		- [.]		1 3 >					OTAL NUMBER OF CONTAINERS:							
Iter         Iter           Iter </td <td>2301 L</td> <td>Pres A.</td> <td>14-71</td> <td>MIACI; ONE NUMBER:</td> <td>ANAI YSES</td> <td>- 2012</td> <td>-<b>SW</b> - AJW</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>× 100</td> <td></td> <td></td> <td>BY: DATE TIME</td> <td>0.29+</td> <td>A 0:03 B:0</td> <td></td> <td></td> <td></td> <td></td> <td></td>	2301 L	Pres A.	14-71	MIACI; ONE NUMBER:	ANAI YSES	- 2012	- <b>SW</b> - AJW							× 100			BY: DATE TIME	0.29+	A 0:03 B:0					
	1.001			ri er		HdL-SIO2	5 433	X	X X +0/20-01-M	X	-082407 X	X					TIME REGEIVED	8/24/1- 12:55		SIGNATURE	COMPANY:	SIGNATURE:	PRINTED	COMPANY:

SOP Volume: Client Services Section: 1.1.2 Page: 1 of 1 Effective Date: 08-Aug-07 Revision: 3 Number 1 of 3 Filename: F:\QC\Forms\QC\Cooler.wpd COOLER RECEIPT CHECKLIST	Curtis & Tompkins, Ltd.
Login#: <u>197193</u> Date Received: <u>8-27-2007</u> Number of Coolers: Client: <u>GED MATRIX</u> Project:	
<ul> <li>A. Preliminary Examination Phase Date Opened: 8-27-2007 By (print): 100 27 (41 A (sign)</li> <li>1. Did cooler come with a shipping slip (airbill, etc.)?</li> </ul>	
<ol> <li>Did cooler come with a shipping slip (airbill, etc.)?</li></ol>	T YES NO
<ul> <li>How many and where? Seal date: <u>8 24 - 200</u> Seal name</li> <li>Were custody seals unbroken and intact at the date and time of arrival?</li> <li>Were custody papers dry and intact when received?</li> </ul>	ES NO
<ul><li>5. Were custody papers filled out properly (ink, signed, etc.)?</li><li>6. Did you sign the custody papers in the appropriate place?</li></ul>	YES NO YES' NO
<ol> <li>Was project identifiable from custody papers?</li> <li>If YES, enter project name at the top of this form.</li> <li>Describe type of packing in cooler: 212000</li> </ol>	YES NO
<ul> <li>9. If required, was sufficient ice used? Samples should be &lt;=6 degrees C Type of ice: <u>WT</u> Temperature: <u>3.5</u></li> <li>10. Were Encore sampling devices present in the cooler?</li></ul>	YES NO
If YES, enter time they were transferred to the freezer      B.    Login Phase	
Date Logged In: 8:27:200 By (print): Lon TAUAA (sign)	VES NO
<ol> <li>Were labels in good condition and complete (ID, date, time, signature, etc.</li> <li>Did bottle labels agree with custody papers?</li> <li>Were appropriate containers used for the tests indicated?</li> </ol>	YES NO
<ol> <li>Were correct preservatives added to samples?</li></ol>	VES_NO
8. Was the client contacted concerning this sample delivery? If YES, give details below.	YES NÓ
Additional Comments:	ate:
# 3 ADDITIONEL MW-10-082407	VONS
tricuited huz-	
Filename: F:\qc\forms\qc\cooler.doc	Rev. 3, 08/07

### Robert Butler

From:"Avery Patton" <apatton@geomatrix.com>To:"Robert Butler" <robert.butler@ctberk.com>Sent:Friday, September 07, 2007 12:50 PMSubject:RE: 197193

Thanks. Please do analyze the "correct" sample - today would be great if you have time.

So that would be MW-10-082407 with the time of 10:19 that matches the chain. Maybe we can call it MW-100-082407 to distinguish it from the other samples?

Thanks Avery

From: Robert Butler [mailto:robert.butler@ctberk.com] Sent: Friday, September 07, 2007 12:30 PM To: Avery Patton Subject: 197193

Avery,

I have checked the VOAs for time , date and sample IDs. We did recieve 3 additional VOAs for MW-10-082407 - they all had 08:59 as the sampling time, which was not listed on the COC. These were the ones used to analyze sample 197193-003.

MW-1-082407 (197193-002) labels all matched the COC with a sampling time of 09:19.

Robert

Total Volatile Hydrocarbons Lab #: 197464 Location: 2301 Linclon Client: Geomatrix Consultants Prep: EPA 5030B Project#: 011037.001 Analysis: EPA 8015B Field ID: MW-10-082407 Batch#: 129254 Matrix: Water Sampled: 08/24/07 Units: ug/L Received: 08/27/07 Diln Fac: 1.000 Analyzed: 09/07/07 Type: SAMPLE Lab ID: 197464-001 Analyte Result RL Gasoline C7-C12 3,500 H L 50 Surrogate %REC Limits Trifluorotoluene (FID) 110 72-136 Bromofluorobenzene (FID) 203 \* 78-131 Type: BLANK Lab ID: QC405181 Analyte Result RL Gasoline C7-C12 ND 50 Surrogate %REC Limits Trifluorotoluene (FID) 99 72-136

\*= Value outside of QC limits; see narrative H= Heavier hydrocarbons contributed to the quantitation L= Lighter hydrocarbons contributed to the quantitation ND= Not Detected RL= Reporting Limit Page 1 of 1

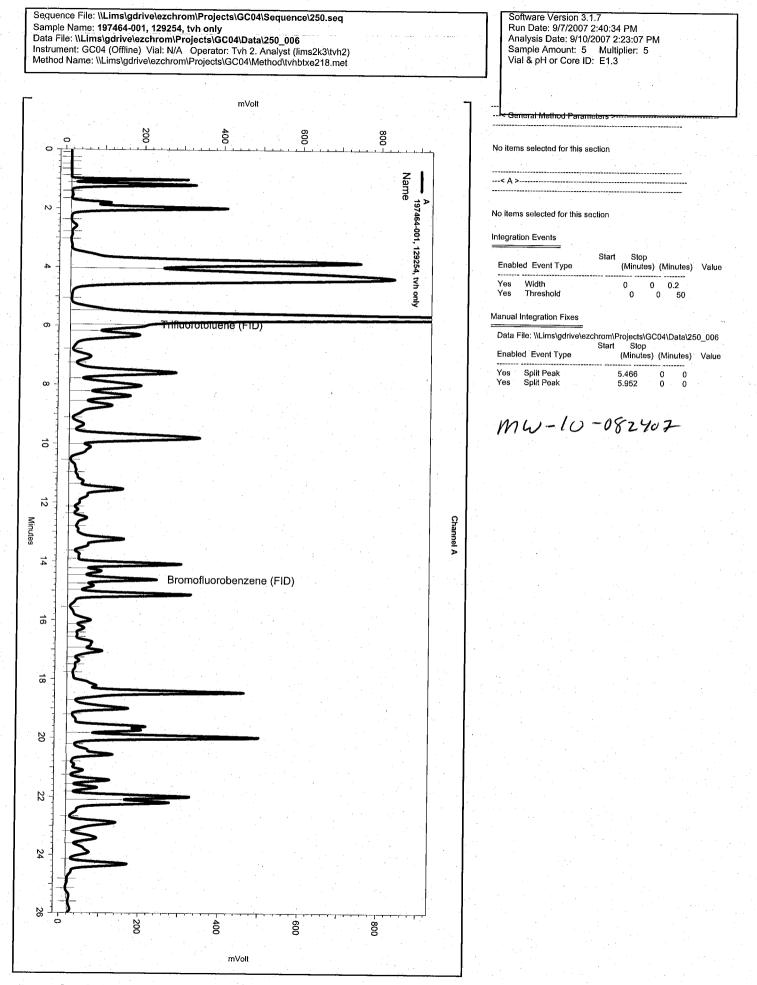
107

78-131

Bromofluorobenzene (FID)

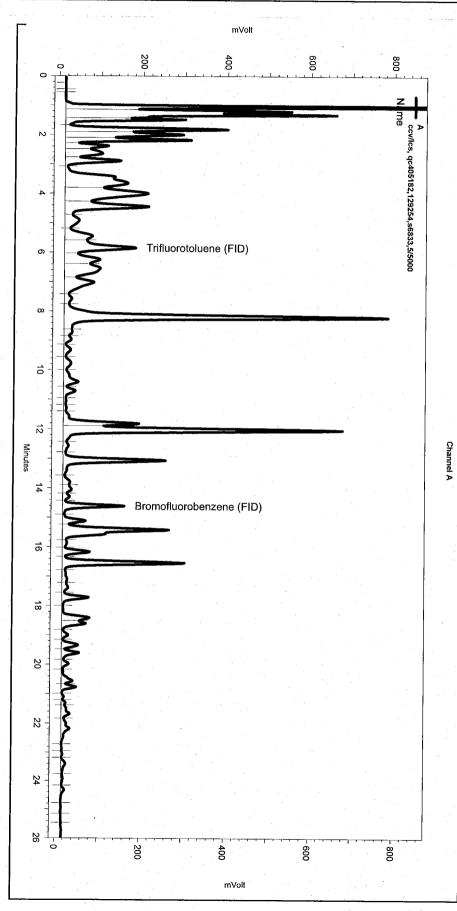
1.1

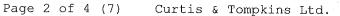
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Page 2 of 4 Curtis & Tompkins Ltd.

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\250.seq Sample Name: ccv/lcs, qc405182,129254,s6833,5/5000 Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\250\_003 Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2) Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe218.met





Software Version 3.1.7 Run Date: 9/7/2007 10:43:49 AM Analysis Date: 9/10/2007 9:36:09 AM Sample Amount: 5 Multiplier: 5 Vial & pH or Core ID: {Data Description}

Start

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\250\_003

00

Stop (Minutes) (Minutes) Value

> 0 0.2 0 50

Start Stop (Minutes) (Minutes) Value

---< General Method Parameters >

No items selected for this section

-----

No items selected for this section

----< A >----

Yes

Yes

None

Integration Events

Enabled Event Type

Width Threshold

Manual Integration Fixes

Enabled Event Type

gasoline

	Total Vola	tile Hydrocarbo	ns	
Lab #:	197464	Location:	2301 Linclon	
Client:	Geomatrix Consultants	Prep:	EPA 5030B	
Project#:	011037.001	Analysis:	EPA 8015B	
Type:	LCS	Diln Fac:	1.000	
Lab ID:	QC405182	Batch#:	129254	
Matrix:	Water	Analyzed:	09/07/07	
Units:	ug/L			

Analyte	Spiked	Result	%REC	Limits	
Gasoline C7-C12	2,000	1,834	92	80-120	

Surrogate	%REC	Limits
Trifluorotoluene (FID)	140 *	72-136
Bromofluorobenzene (FID)	114	78-131

\*= Value outside of QC limits; see narrative Page 1 of 1

Curtis & Tompkins, Ltd.

#### Batch QC Report

Batch QC Kept								
		Total	. Volati]	e Hydroca	irbons			
Lab #:	197464			Location:		2301 Linclon	L	
Client:	Geomatrix Co	onsultan	ts	Prep:		EPA 5030B		
Project#:	011037.001			Analysis:		EPA 8015B		
Field ID:	ZZZZZZZZZZ			Batch#:		129254		
MSS Lab ID:	197436-001			Sampled:		09/05/07		
Matrix:	Water			Received:		09/06/07		
Units:	ug/L			Analyzed:		09/07/07		
Diln Fac:	1.000							
Туре:	MS			Lab ID:		QC405183		
Anal		MSS R	esult	Spike		Result	%REC	Limits
Gasoline C7-C1	2		21.89	2,000		1,848	91	79-120
Surr: Trifluorotolue: Bromofluoroben:		%REC 143 * 125						
Туре:	MSD			Lab ID:		QC405184		
Ana Gasoline C7-C13	lyte		Spiked 2,000		Result 1,798	%REC 89	Limits 79-120	RPD Lim
						 ,		
Surr	ogate	%REC	Limits					
Trifluorotolue	ne (FID)	147 *	72-136				<u></u>	
Bromofluoroben	zene (FID)	131	78-131					

\*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference
Page 1 of 1



		BTXE & (	Oxygenates			
Lab #: 197464	1		Location:	2301 T	inclon	
Client: Geomat	rix Consultant	ts	Prep:	EPA 50		
Project#: 011037	7.001		Analysis:	EPA 82		
	-082407		Batch#:	129228		
Lab ID: 197464	L-001		Sampled:	08/24/		
Matrix: Water			Received:	08/27/		
Units: ug/L			Analyzed:	09/07/		
Diln Fac: 1.000			4	,,		
Analyte tert-Butyl Alcohol (TBA MTBE Isopropyl Ether (DIPE) Ethyl tert-Butyl Ether 1,2-Dichloroethane Benzene Methyl tert-Amyl Ether Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	NI NI (ETBE) NI NI	3.1 3.1 1.3		€L 10 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.		
4		·		0.5		
Surrogate	%REC	Limits				
Dibromofluoromethane	90	80-123				
1,2-Dichloroethane-d4	111	79-134				
Tolucro do						

97

111

80-120

80-122

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

Toluene-d8

Bromofluorobenzene



	BTXE	& Oxygenates	
Lab #:	197464	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC405066	Batch#:	129228
Matrix:	Water	Analyzed:	09/07/07
Units:	ug/L	-	

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	······································
o-Xylene	ND	0.5
Surrogate	%REC Limits	
Dibromofluoromethane	99 80-123	
1,2-Dichloroethane-d4	103 79-134	

102

100

80-120

80-122

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

Toluene-d8

Bromofluorobenzene

Curtis & Tompkins, Ltd.

### Batch QC Report

, i

	BTXE	& Oxygenates	
Lab #:	197464	Location:	2301 Linclon
Client:	Geomatrix Consultants	Prep:	EPA 5030B
Project#:	011037.001	<u> </u>	EPA 8260B
Matrix:	Water	Batch#:	129228
Units:	ug/L	Analyzed:	09/07/07
Diln Fac:	1.000		

Туре: В	S	Lab 1	ID: QC40	5064	
Analyt tert-Butyl Alcoho MTBE Isopropyl Ether ( Ethyl tert-Butyl 1,2-Dichloroethan Benzene Methyl tert-Amyl Toluene 1,2-Dibromoethane Ethylbenzene m,p-Xylenes o-Xylene	l (TBA) DIPE) Ether (ETBE) e Ether (TAME)	Spiked 125.0 25.00 2	Result 134.2 23.87 23.96 25.24 24.18 26.18 23.48 25.95 25.08 27.52 54.02 26.55	95 96 101 97 105 94 104 100 110 108 106	L4m1ta 68-132 71-120 65-120 75-124 79-121 80-120 77-120 80-120 80-120 80-120 80-124 80-127 80-124
Surroga Dibromofluorometh 1,2-Dichloroethan Toluene-d8 Bromofluorobenzen	ane 98 e-d4 99 97	· · · · · · · · · · · · · · · · · · ·	20.55	106	80-124

Type:	BSD		L	ab ID:	QC405	065			
tert-Buty	Analyte 1 Alcohol (TBA)		Spiked 125.0		Result	%REC		RPD	Lim
MTBE	i miconot (IBA)		25.00		123.8 22.68	99 91	68-132 71-120	8 5	20 20
	Ether (DIPE)		25.00		22.42	90	65-120	57	20
1,2-Dichle	t-Butyl Ether (ETBE)		25.00		23.89	96	75-124	5	20
Benzene	orbethane		25.00 25.00		$21.73 \\ 24.19$	87	79-121	11	20
Methyl te:	rt-Amyl Ether (TAME)		25.00		23.28	97 93	80-120 77-120	8 1	20 20
Toluene			25.00		25.53	102	80-120	2	20
1,2-Dibron Ethylbenze	moethane		25.00		24.04	96	80-120	4	20
m,p-Xylene	ene es		25.00 50.00		25.36 51.21	101 102	80-124	8	20
o-Xylene			25.00		25.80	102	80-127 80-124	5	20 20
	Surrogate		7 - 10000007 100. (00000) 00 1000000000000000000000000000						<u> </u>
Dibromoflu	Joromethane	<u>%RE</u> 96	C Limits 80-123						
1,2-Dichlo	oroethane-d4	96	79-134						
Toluene-da		96	80-120						
Bromofluo	ropenzene	98	80-122						

RPD= Relative Percent Difference Page 1 of 1



# **ATTACHMENT B**

Shell's "Statement of Environmental Responsibility" (February 7, 2008)



Mr. Allen Sebanc 2805 Ralston Avenue Hillsborough, California 94010 Shell Oil Products US

Environmental Claims One Shell Plaza, Rm 665 910 Louisiana Houston, Texas 77002 Tel (713) 241-0548 Fax (713) 241-6926 Email beth.flowers@shell.com Internet http://www.shell.com

#### Via Overnight Mail

February 7, 2008

#### Re: Statement of Environmental Responsibility 2301 – 2307 Lincoln Avenue, Alameda, California

Dear Mr. Sebanc:

This letter shall serve as an agreement between Mr. Allen Sebanc ("Owner") and Shell Oil Products US ("Shell"), collectively "Parties", concerning the site located at 2301 – 2307 Lincoln Avenue, Alameda, California (the "Property"). Mr. Sebanc owns the Property. Shell owned and operated a service station at the Property. Shell exited the Property in 1982. Since that time, the Property has been used as a retail center. Owner recently contracted with Geomatrix Consultants, Inc. to conduct a subsurface environmental investigation of the Property. During the investigation, petroleum hydrocarbons were identified in both the soil and groundwater at the Property.

Shell will comply with all applicable federal, state, and local laws, regulations and ordinances dealing with contamination on the Property that are attributable to the acts and/or omissions of Shell, its employees and agents. To that end, we will comply fully with governmental requests, notices and consent orders which Shell may execute as appropriate concerning the environment and which may have a direct affect on the Property.

Subject only to the conditions and limitations contained in this letter, Shell agrees to hold the Owner and his successors, assigns, and any subsequent title interest holders harmless (including any financial entity that may retain a title interest as collateral for financing) from both the requirement and reasonable costs of performing the cleanup of contamination at the Property or emanating from the Property found to be attributable to Shell and for which cleanup is required or ordered by any federal, state or local court, governmental entity, unit, department, or agency. The term "cleanup" shall include, but not be limited to, the contamination and/or its removal and all response costs or their equivalents. The terms "contamination", "soil or groundwater contamination", "cleanup", and "removal and response costs" shall be interpreted to mean that which any court or government order, or regulatory agency with jurisdiction and authority may understand these terms to mean.

Sincerely, Shell Oil Products US

Bette Q. Howey

Beth A. Flowers Environmental Claims Manager

Cc: Denis Brown, Shell Oil Products US

Mr. Jake Torrens, Geomatrix Consultants, Inc., 2102 Webster Street, 12<sup>th</sup> Floor, Oakland, California 94612



# ATTACHMENT C

Limited Phase II Environmental Site Investigation (August 12, 1999) Prepared by Basics Environmental

## LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION

2301-2307 LINCOLN AVENUE ALAMEDA CALIFORNIA

FOR

MR. ALLAN SEABANC HILLSBOROUGH CALIFORNIA



AUGUST 12, 1999 99-ENV168A

116 GLORIETTA BLVD • ORINDA, CA • 94563 • TEL/FAX 925-258-9099/9098



August 12, 1999 99-ENV168A

Mr. Allan A. Seabanc 10 Stacey Court Hillsborough, CA 94010

Subject: Limited Phase II Environmental Site Investigation Report 2301-2307 Lincoln Avenue Alameda, CA 94501

Dear Mr. Seabanc:

This report describes a Limited Phase II Environmental Site Investigation Report of the site located at 32301-2307 Lincoln Avenue in Alameda, California. The scope of work included a preliminary investigation to assess the potential subsurface environmental impacts from past gasoline and auto maintenance operations conducted at the subject site.

Based on the information compiled from the sampling of the soil from six onsite test borings and ground water from five onsite test borings, our findings indicate significant levels of total petroleum hydrocarbons as gasoline and its constituents appear to be impacting the ground water and recommend further investigation of site conditions.

Should you have any questions regarding this report, please contact the undersigned.

Sincerely,

**Basics Environmental** 

Donavan G. Tom, M.B.A., R.E.A. Principal Consultant

PHASE-II.LTR

116 GLORIETTA BLVD • ORINDA, CA • 94563 • TEL/FAX 925-258-9099/9098

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## List of Drawings

Drawing 1: Site Location Drawing 2: Soil Test Boring Locations

## Appendices

APPENDIX A: Geological Boring Logs APPENDIX B: Laboratory Analytical Results and Chain of Custody

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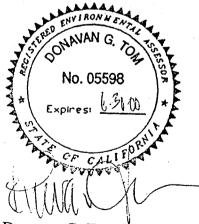
## PROFESSIONAL CERTIFICATION

#### REPORT LIMITED PHASE II SITE INVESTIGATION 2301-2307 LINCOLN AVENUE ALAMEDA, CALIFORNIA 99-ENV168A AUGUST 12, 1999

This report has been prepared by the staff of Basics Environmental (Basics) under the professional supervision of the Principal Consultant whose seal and signature appears hereon. The findings, interpretations of data, recommendations, specifications or professional opinions are presented within the limits prescribed by available information at the time the report was prepared, in accordance with generally accepted professional engineering and geologic practice and within the requirements by the Client. There is no other warranty, either expressed or implied.

The data and findings of this report are based on the data and information obtained from the agreed upon scope of work between Basics and the Client. Because contamination is not necessarily evenly distributed across the property's soils and ground water, it can easily remain undetected. Additional scope of services (at greater cost) may or may not disclose information which may significantly modify the findings of this report. We accept no liability on completeness or accuracy of the information presented and or provided to us, or any conclusions and decisions which may be made by the Client or others regarding the subject Site.

This report was prepared solely for the benefit of Basic's Client. Basics consents to the release of this report to third parties involved in the evaluation of the property for which the report was prepared, including without limitation, lenders, title companies, public institutions, attorneys, and other consultants. However, any use of or reliance upon this report shall be solely at the risk of such party and without legal recourse against Basics, or its subcontractors, affiliates, or their respective employees, officers, or directors, regardless of whether the action in which recovery of and strict liability of Basics), statute or otherwise. This report shall not be used or relied upon by a party that does not agree to be bound by the above statements.



Donavan G. Tom, M.B.A., R.E.A. Principal Consultant

PHASE II

## **1.0 INTRODUCTION**

# 1.1 Purpose of Investigation

Basics Environmental (Basics) has performed this Limited Phase II Site Investigation (Phase II) for Mr. Allan A. Seabanc pursuant to our letter of engagement signed July 16, 1999. The "subject site" is at 2301-2307 Lincoln Avenue, Alameda, California (See Drawing 1).

## 1.2 Background

Historical information obtained from an Environmental Assessment, dated March 19, 1998 conducted by Basics for the subject site, revealed revealed the site was occupied by three residential dwellings in 1897. Sometime between 1897 and 1948, the site was occupied by an auto shop (2301 Lincoln Avenue) and two residential dwellings. Sometime between 1948 and 1950, the site was occupied by a gasoline service station/tire recapping facility (2301 Lincoln Avenue) and two residential dwellings. The gasoline service station and auto repair facilities were noted at the northeast corner of the Lincoln Avenue and Oak Street. Sometime during the early 1980s, the subject site was reported to have been redeveloped into the retail strip center as noted today. Since that time the subject site has been utilized for commercial retail space.

Information from local regulatory agencies revealed 2301 Lincoln Avenue was first developed into a gas station in 1926. In 1970, the underground storage tanks were replaced by Shell Oil. In 1982, the Shell gasoline service station was closed. During that time one 8,000-gallon, two 2,000-gallon, and one 1,000-gallon gasoline underground storage tanks were removed. No additional information regarding soil and/or ground water testing or visual observations during removal were available.

## 1.3 <u>Scope of Work</u>

Based on historical information, the subject site has a potential long history of utilizing hazardous materials associated with past gasoline and auto maintenance operations including, but not limited to, petroleum hydrocarbons, lubricating oils and solvents. In addition, the lack of soil and ground water testing during the removal of the former gasoline station, associated underground storage tanks, pumps and piping (reported by local regulatory agencies) suggest a

#### PHASE II-01

1-1

potential of inadvertent discharges of these materials to surface below.

On the basis of the information reviewed, Basics was contracted by Mr. Allan A. Seabanc to perform the following Limited Phase II Environmental Site Investigation approach to assess the potential subsurface environmental impacts from past gasoline and auto maintenance operations conducted at the subject site.

The scope of work performed for this Limited Phase II Site Investigation consisted of the following tasks:

- Under the direction of a California Registered Geologist, six exploratory borings were to be advanced within the former area of the underground storage tanks (based on historical Sanborn Fire Insurance Maps) and along the northwest perimeter of the subject site (perceived up gradient);
  - Soil samples were to be collected from below the concrete surface at approximately five to eight feet below ground surface within the native soil. One grab water sample was also to be taken from each boring. If deemed waranted from visual observations of the samples, additional soil samples may be collected from the exploratory borings;
  - Samples were to be collected, labeled, placed in a cooler with chemical ice, and transported under Chain of Custody control to McCambell Analytical Laboratory, a certified laboratory with the Department of Toxic Substances Control (DTSC) of the California Environmental Protection Agency, for analysis; and
- Samples were to be analyzed for Total Petroleum Hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes and tert-methyl butyl ethylene (TPH-g, BTEX and MTBE) and Volatile Organic Compounds.

The work for this Limited Phase II Site Investigation was performed within the client approved scope of work and budget for the investigation.

# 1.4 Permits and Regulatory Compliance

Several regulatory agencies were contacted prior to the beginning of this work and the permits necessary to proceed were obtained. Permits and/or approvals were obtained from the following agencies:

- Mr. Alvin Kan, County of Alameda Public Works Agency, Water Resources Section, Permit No. 99WR463; and
- Underground Services Alert (U.S.A.), U.S.A. Job No. 536222.

#### PHASE II-01

#### 1-2

# 2.0 SOIL AND GROUND WATER SAMPLING

#### 2.1 Field Activities

# 2.1.1 Preliminary Subsurface Investigation

On July 24, 1999, six soil test borings were advanced by Fast Tek, Inc. (FTI; Richmond, California) under the direction of a California Registered Geologist. The borings were specifically designed to sample the soil and ground water if encountered. The targeted areas of concern are shown on Drawing 2 and include:

Six exploratory borings (SB-1 - SB-6) were advanced within the former area of the underground storage tanks (based on historical Sanborn Fire Insurance Maps) and along the northwest perimeter of the subject site (perceived up gradient).

These locations were intended to provide subsurface chemistry data at potential areas of environmental impacts from past gasoline and automobile maintenance operations conducted at the site.

FTI utilized Geoprobe® 5400 Direct Penetration Technology (DPT) drilling methods. DPT uses dry impact methods to drive boring tools into the subsurface. A soil sample was collected in 2-inch diameter, four foot steel continuous core sampler. Polyethylene terephthalate glycol (PETG) soil liners were utilized within the inner sample barrel. PETG soil liners are transparent and inert to petroleum hydrocarbons, metals, solvents, pesticides and most hazardous materials (except high levels of phenols). After advancing both the drive-casing and sample barrel 4 feet, the sampler was retracted, and the sample removed. Selected samples then were sealed and labeled for analytical purposes; the remainder of the samples were scrutinized for field characterization. The drive-casing and sample barrel were advanced in this manner until the total depth of each borehole was reached.

A soil sample from each of the borings was retrieved from the discrete depth of 5 and 7.5 feet bgs. within the native soil. The samples for analytical purposes were covered on each end with Teflon, capped, sealed with tape, labeled, and placed in an insulated chest containing ice. A log of the borings, which indicate site lithology, soil sampling depths, and other pertinent information was developed under the direction of a California Registered Geologist during the drilling program and is included in Appendix A.

#### PHASE II-02

The borings were advanced to total depths not exceeding 10 feet bgs and converted to temporary wells and "grab" ground water samples were collected. The sampling procedures followed by Basics field geologist are described below:

- Threading together and lowering into the boring 1-inch diameter PVC well casing to the bottom of the borehole;
- Allowing the temporary well time to stabilize;
- Lowering a plastic disposable bailer into the well, collecting a ground water sample, and lifting the water sample to the surface; and
- Decanting the sample into labeled, laboratory-provided containers and placing the containers into an insulated chest containing ice.

Ground water was not encountered in SB-5 after letting stand for one hour. Subsequently, the PVC well casing was removed and all of the boreholes were backfilled to the surface with a neat cement slurry. The drill cuttings were collected and placed in one 5-gallon pail, which was properly disposed of by FTI.

Once collected in the field, all samples were maintained under chain of custody until delivered to the laboratory. The soil and ground water samples were immediately delivered to McCambell Analytical Laboratory, Inc. (McCambell; Pacheco, California), a State-certified laboratory.

PHASE II-02

## 3.0 CHEMICAL ANALYSES AND RESULTS

### 3.1 Chemical Analyses

The soil and "grab" ground water samples taken from the soil test borings were analyzed for the following:

- Total Petroleum Hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes and tert-methyl butyl ethylene (TPH-g, BTEX and MTBE) (EPA Modified Method 8015); and
- Volatile Organic Compounds (VOCs) (EPA Method 8260).

#### 3.2 Analytical Results

Results of chemical analyses on soil and grab water samples collected on July 24, 1999 are presented in Table 1, Table 2 and Table 3. Certified laboratory reports are presented in Appendix B, including chain-of-custody record data.

Sample	Depth	TPH-g	В	Т	Ε	X	MTBE	Carbon
ĪD	<u>Feet</u>	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Disulfide <u>mg/kg</u>
SB-1	7.5	ND						
SB-2	7.5	ND	ND	ND	ND	ND	ND	13
SB-3	7.5	40*	ND	ND	0.012	ND	ND	ND
SB-4	7.5	ND						
SB-5	7.5	ND						
SB-6	5	ND						

 Table 1. Soil Analytical Results

ND means not detected above the reporting limit. No other detectable amounts of volatile organic compounds analyzed as part of EPA 8260 were discovered in the soil samples taken. \*Strongly aged gasoline or diesel range compounds are significant. MTBE results were verified using EPA Method 8260.

PHASE II-03

a' . ==	_					,	
Sample	Depth	TPH-g	B	Т	E	Х	MTBE
<u>ID</u>	Feet	$\mu g/L$	μg/L	μg/L	<u>μg/L</u>	μg/L	μg/L
	•						<u>hon</u>
SB-1W	8	ND	ND	ND	ND	ND	ND
SB-2W	8	ND	ND	ND	ND	ND	
SB-3W	8	4,500*	ND	4.4	2.7		ND
SB-4W	8	ND	ND			4.0	ND
SB-6W	8			ND	ND	ND	ND
000	0	160	ND	ND	ND	ND	ND

Ground Water Analytical Results (TPH-g, BTEX, MTBE) Table 2.

ND means not detected above the reporting limit. \*Heavier gasoline range compounds are significant (aged gasoline), lighter than water immiscible sheen was present and liquid sample contained greater than 5% volume of sediment. Note ground water was not encountered within SB-5 at depths of 10 feet bgs.

Table 3. Ground Water Analytical Results (VOCs)

Sample	Depth	n-Butyl	sec-Butyl	Isopropyl	n-Propyl	Vinyl
Ð	Feet	benzene <u>µg/L</u>	benzene <u>µg/L</u>	benzene <u>µg/L</u>	benzene <u>µg/L</u>	Acetate <u>µg/L</u>
SB-1W	8	ND	ND	ND	ND	
SB-2W	8	ND	ND	ND	ND	ND
SB-3W	8	10	14	45	60	ND 26
SB-4W	8	ND	ND	ND	ND	26
SB-6W	8	160	ND	ND	ND	ND
						ND

ND means not detected above the reporting limit. No other detectable amounts of other volatile organic compounds analyzed as part of EPA 8260 were discovered in the grab water samples taken. Note ground water was not encountered within SB-5 at depths of 10 feet bgs.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

#### 4.1 <u>Conclusions</u>

Based on the results of the soil testing reported herein, detectable amounts of total petroleum hydrocarbons as gasoline and ethylbenzene were discovered within exploratory boring (SB-3) located at the southwest corner of the subject site and detectable amounts of carbon disulfide was discovered within exploratory boring (SB-2) located at the northwest perimeter of the subject site at depths of 7.5 feet bgs. Maximum concentrations detected included 40 mg/kg of total petroleum hydrocarbons as gasoline, 0.012 mg/kg of ethylbenzene and 13 mg/kg of carbon disulfide. No other detectable amounts of volatile organic compounds analyzed as part (EPA Method 8260) were discovered within the soil samples collected.

Based on the results of the ground water testing reported herein, detectable amounts of total petroleum hydrocarbons as gasoline, toluene, ethylbenzene, total xylenes, n-butyl benzene, secbutyl benzene, isopropyl benzene, n-propyl benzene, and vinyl acetate were discovered within the ground water from SB-3 located at the southwest corner of the subject site. Maximum concentrations detected included 4,500  $\mu$ g/L of total petroleum hydrocarbons as gasoline, 4.4  $\mu$ g/L of toluene, 2.7  $\mu$ g/L of ethylbenzene, 4.0  $\mu$ g/L of total xylenes, 10  $\mu$ g/L of n-butyl benzene, 14  $\mu$ g/L of sec-butyl benzene, 45  $\mu$ g/L of isopropyl benzene, 60  $\mu$ g/L of n-propyl benzene, and 26  $\mu$ g/L of total petroleum hydrocarbons as gasoline was detected in the sufface. In addition, 160  $\mu$ g/L of total petroleum hydrocarbons as gasoline was detected in the grab water sample taken from SB-6 located east of the former underground storage tanks. No other volatile organic compounds analyzed as part (EPA Method 8260) were discovered within the grab water samples collected.

Analytical results indicate impacts of total petroleum hydrocarbons as gasoline, ethylbenzene and carbon disulfide to the soil are not considered significant and below regulatory action. The level of these chemicals are below the Preliminary Remediation Goals set forth by the Department of Toxic Substance Control for industrial sites.

Analytical results indicate impacts of toluene, ethylbenzene, total xylenes and vinyl acetate to the ground water are not considered significant and below regulatory action. The level of these chemicals are below the published Maximum Contaminant Levels (MCLs) for drinking water. However, analytical results indicate impacts of total petroleum hydrocarbons as gasoline, n-butyl

#### PHASE II-04

4-1

#### 99-ENV168A

benzene, sec-butyl benzene, isopropyl benzene and n-propyl benzene to the ground water are considered significant and above regulatory action. The level of these chemicals are above the published Maximum Contaminant Levels (MCLs) for drinking water.

Based on the fact that (1) ground water in the vicinity is very shallow; (2) elevated levels of total petroleum hydrocarbons as gasoline, n-butyl benzene, sec-butyl benzene, isopropyl benzene and n-propyl benzene were only discovered within the grab water sample collected from SB-3 (southwest corner of the subject site) at depths of 8 feet bgs at the subject site; (3) the total petroleum hydrocarbons as gasoline detected are in the heavier gasoline range (aged gasoline) and the benzene constituents appear to be by products of benzene; and (4) MTBE was not discovered within any of the ground water samples collected, suggest ground water impact from onsite underground storage tanks, pipes or pumps formerly located at or below the shallow aquifer appears to be confined to the extreme southwest corner of the subject site.

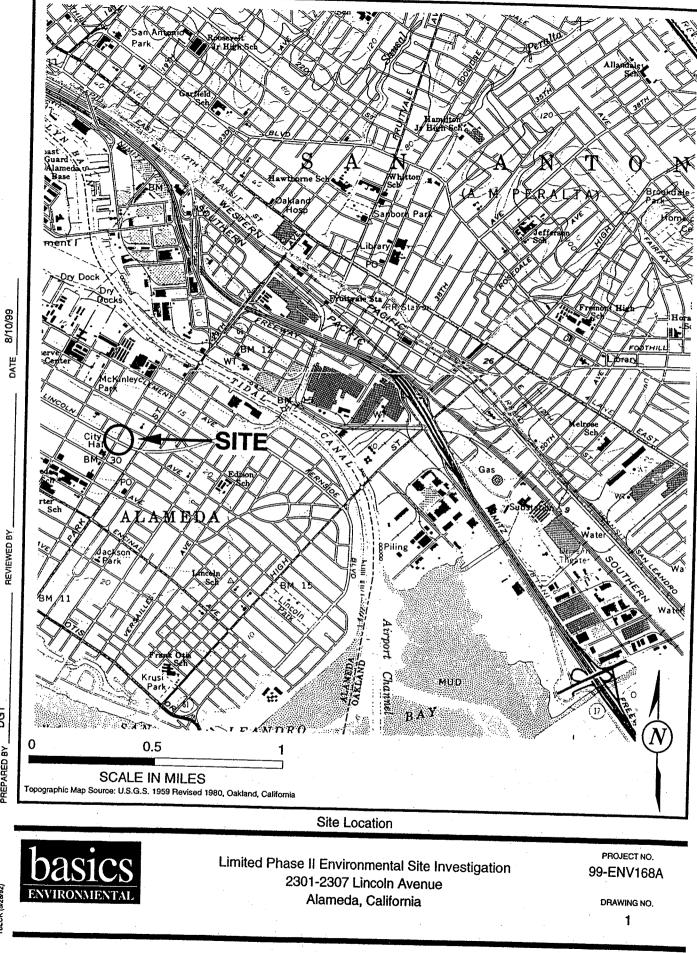
#### 4.2 <u>Recommendations</u>

On the basis of the information compiled from the limited soil and ground water investigation conducted by Basics, the level of total petroleum hydrocarbons as gasoline, n-butyl benzene, sec-butyl benzene, isopropyl benzene and n-propyl benzene discovered within the ground water are considered significant, above regulatory action levels and warrant further investigation. Based on these levels the owner/operator is required to report the results to the local enforcing agency (Alameda County Environmental Health Services, Local Oversight Program (ACEHS) for review. Based on ACEHS review, the owner/operator may be required to "define" or provide more specific information about the contamination problem.

4-2

PHASE II-04

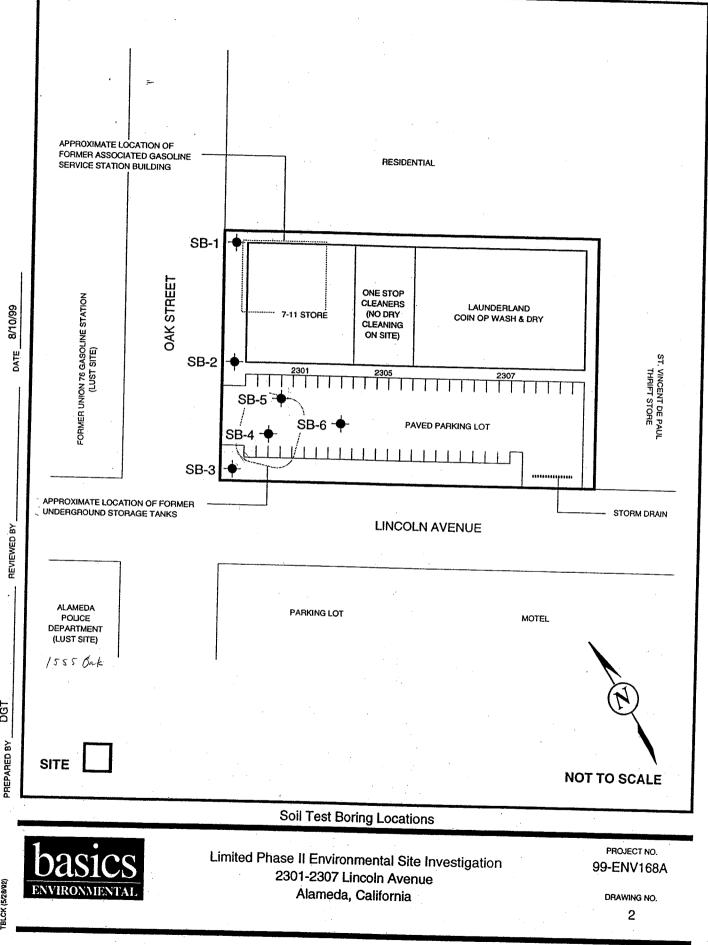
99-ENV168A



DGT

PREPARED BY

TBLCK (5/28/92)



DGT

TBLCK (5/28/92)

APPENDIX A

116 GLORIETTA BLVD • ORINDA, CA • 94563 • TEL/FAX 925-258-9099/9098

		ogic Log		PROJEC	TNO: 99-ENV168A	BORING	NO: SB-1	SHEET 1	OF 1
UENT:		ALLAN A. SEABANC			SITE:	2301-2307 Lincol	n Avenue, Alameda,	California	
XGGED	BY: Je	ennifer Pucci		CHE	CKED BY: Marda T. He	rbert, R.G., C.E.G.			
		D: 7/24/99 🚁	DAT	E(S) WELL	INSTALLED:	the second se	RING DIA: 2"	ATE: 7/24/99 TOTAL DEPTH: 1	
	ELEV:		T.O.	C. ELEV:			GROUND WATER (A	TD\: 94	10ft.
RILLING		Fast-Tek, Inc.		DRIL	LER: TF	DRILLING EQUI	P: Geoprobe	( <i>D</i> ), 81.	<u> </u>
	VATES:	· · · · · · · · · · · · · · · · · · ·			SAMPL	NG INFORMATION	· · · · · · · · · · · · · · · · · · ·		
alline	SUMM	ARY: Continous core adva with neat cement slu	nced to 10 fe	et in depth: s	soil sample collected at 5' and	7.5'. Screened with P	/C liner. Ground water	encountered at 8'. Backfilled	
Sample No.	Recovery	Well Diagram	Depth Elev. 0	Graphic Log Sample		Litholc Description, C	gic Description olor, Density, M	oisture	
	3.0 for				GROUND SURFACE SAND (SP) - fine gr	ained, medium br	own, no moisture,	no odor	
	4.0				•				
B-1			Г <sup>.</sup>		Ao Ab				
5'	40		5		As Above				
	4.0 for								
, i	4.0		F -						
3-1			F -						
7.5'		ground water			As Above, slightly m	pist			
		level.	+						
			10			· · · · · · · · · · · · · · · · · · ·	·····		
			F -		End Boring at 10 fee	below ground si	urface.		
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			_35						

Ge	olo	gic Log		PROJEC	ТЮ: 99-ENV168A		BORING NO: SB-2	SHEET 1 OF 1
CLIENT:.		LLAN A. SEABANC			SITE:	2301-	2307 Lincoln Avenue, Alameda, Calil	 fornia
LOGGED	BY: Jen	nifer Pucci		CH	ECKED BY: Marda T. Herb			7/24/99
DATE(S)	DRILLED	): 7/24/99 😑	DAT	TE(S) WEL	L INSTALLED:	·	BORING DIA: 2"	TOTAL DEPTH: 10ft.
GROUND	ELEV:	· · · · ·	T.0	.C. ELEV:		DE	PTH/ELEV. GROUND WATER (ATD):	
DRILLING	00: F	ast-Tek, Inc.		DF	ILLER: TF		ILLING EQUIP: Geoprobe	
COORDIN	IATES:	1967		•			ORMATION:	
DRILLING	SUMMA	RY: Continous core advan with neat cement slum	ced to 10 f y.	eet in depth			reened with PVC liner. Ground water enco	untered at 8'. Backfilled
Sample No.	Recovery	Well Diagram	Depti Elev			Desc	Lithologic Description cription, Color, Density, Mois	ture
	3.0 <sup>°</sup> for 4.0		-	-	GROUND SURFACE SAND (SP) - fine grai	ined,	medium brown, no moisture, no	odor
SB-2 @5'	4.0 for 4.0		5		S As Above			
SB-2 @7.5'			- - - 10		≦ As Above			
				-	End Boring at 10 feet	belo	w ground surface.	
			<u>_15</u>					
			20					
			25					
			35			· · ·		

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<u>Ue</u>	OIC	gic Log		PROJEC	TNO: 99-ENV168A		BORING NO: SB-3	SHEET 1 OF 1
LIENT:		LLAN A. SEABANC			SITE:	2301-23	307 Lincoln Avenue, Alameda, Califo	.I
		nnifer Pucci	·····		CKED BY: Marda T. Her			7/24/99
		D: 7/24/99			INSTALLED:		BORING DIA: 2"	TOTAL DEPTH: 10ft.
ROUNE		Carat 77.1.1	T.O.	C. ELEV:			TH/ELEV. GROUND WATER (ATD): 8	lift.
OORDI		Fast-Tek, Inc.		DRII	LER: TF		ING EQUIP: Geoprobe	
	SUMMA		····	······································			RMATION:	
ruuuwe		with neat cement slu	nced to 10 fe	eet in depth:	oil sample collected at 5' and 7	.5'. Scree	aned with PVC liner. Ground water encour	tered at 8'. Backfilled
		Well Diagram	Depth Elev.			Descri	Lithologic Description ption, Color, Density, Moistu	Ire
			0					
					GROUND SURFACE			
	3.0		Γ		SAND (SP) - fine gra	ined, m	iedium brown, no moisture, no o	dor
	for 4.0		F					
	- <b>T.</b> U		F					
SB-3			- <u>-</u>		As Above, color char	nge, gre	enish	
@5'	4.0			-			· · ·	
	for		+	-				
SB-3	4.0		F					
7.5			L	_ 	SILTY SAND (SAL	: lino erc'	ined 000/ (inc. Test	
		ground water level.	10		hydrocarbon odor	me grai	ined, 30% fines, 70% sand, soil	staining,
					End Boring at 10 feet	helow	ground outload	
			- ·	-	End boning at 10 leet	Delow	ground surface.	
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Geolo	ogic Log	PROJ	ECT NO: 99-ENV168	A	BORING NO: SB-4	SHEET 1 OF 1
client: Mr.	ALLAN A. SEABANC		SITE	2301-2	2307 Lincoln Avenue, Alameda,	California
LOGGED BY: Je	ennifer Pucci		HECKED BY: Marda T. I			ATE: 7/24/99
DATE(S) DRILLE	ED: 7/24/99	DATE(S) WE	LL INSTALLED:		BORING DIA: 2*	TOTAL DEPTH: 10ft.
GROUND ELEV:		T.O.C. ELEV		DEF	TH/ELEV. GROUND WATER (A	
DRILLING CO:	Fast-Tek, Inc.		RILLER: TF		LING EQUIP: Geoprobe	
COORDINATES:			SAMI	······	ORMATION:	······································
DRILLING SUMM	ARY: Continous core adva with neat cement slu	nced to 10 feet in dep ny.	h: soil sample collected at 5' a	nd 7.5'. Scre	ened with PVC liner. Ground water e	encountered at 8'. Backfilled
	Well Diagram	Depth Elev. 0		Desc	Lithologic Description ription, Color, Density, M	oisture
3.0 for 4.0				grained, I	nedium brown, no moisture,	no odor
SB-4 @5' 3.0 for \$B-4			✓ As Above			
@7.5	ground water level.		As Above, moist End Boring at 10 ferrors			
				Set Delow	ground sufface.	
		20				

P#2-4

Ge	olo	gic Log		PROJ	ECT	NO: 99-ENV168A	BORING NO: SB-6	SHEET 1 OF 1			
CLIENT:	MR. A	LLAN A. SEABANC		SITE: 2301-2307 Lincoln Avenue, Alameda, California							
LOGGED	BY: Jen	nifer Pucci			CHEC	KEDBY: Marda T. Herbert, R.O		7/24/99			
		; 7/24/99	DAT			NSTALLED:	BORING DIA: 2"	TOTAL DEPTH: 10ft.			
GROUND	ELEV:		Т.О.	C. ELE	V:	DEP	TH/ELEV. GROUND WATER (ATD)				
DRILLING	i CO; F	ast-Tek, Inc.	1,				LING EQUIP: Geoprobe				
COORDIN				l		SAMPLING INFO					
DRILLING		RY: Continous core advance	ed to 10 fr	et in der	oth: se		ened with PVC liner. Ground water enco	untered at 9' Dealdillad			
, , , ,		with neat coment slum	<i>.</i>								
		Well Diagram	Depth Elev. 0			Desci	Lithologic Description ription, Color, Density, Moi	sture			
			0			ASPHALT SURFACE					
	3.0		-	-			ded, medium brown, no moistu	ire. no odor			
	for		-	_		, , <b></b>		-, <u>-</u>			
	4.0		Ļ								
SB-6						As Above					
@5'		,	5	7							
~~	3.0			7		•					
	for 4.0		-	-100							
1	4.0		F								
				_		As Above, moist					
SB-6		ground water	L								
@10'		level.	10		$\bowtie$	As Above, color change, gr	ay				
010				7		End Boring at 10 feet below	v ground surface.				
			-	1.				• · · ·			
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# basics environmental

# Appendix **B**

116 GLORIETTA BLVD • ORINDA ,CA • 94563 • TEL/FAX 925-258-9099/9098



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/24/99

08/02/99

Dear Donavan:

Enclosed are:

1). the results of 11 samples from your Alameda project,

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

0

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

		•	-				-					
		Environmental		Client Pr	oject ID: A	lameda		Date Sam	pled: 07/24	4/99		
	116 Glo	oreitta Bouleva	urd					Date Rece	Date Received: 07/24/99			
0	Orinda,	CA 94563		Client Co	ontact: Don	avan Tom	Date Extracted: 07/24/99					
		· · · · · · · · · · · · · · · · · · ·		Client P.			Date Anal	Date Analyzed: 07/26-07/30/99				
E	Gasoli PA meth	ne Range (C6	-C12) Vo	atile Hydro	carbons a	s Gasoline	*, with Me			* & BTEX*		
-	.ab ID	Client ID	Matrix	TPH(g) <sup>+</sup>	MTBE	Benzene	Toluene	hod GCFID(50 Ethylben-	30) Xylenes	% Recovery		
	15958	SB-6,5	S	ND	ND	ND	ND	zene ND	ND	Surrogate 96		
	5961	SB-5,8	S	ND	ND	ND	ND	ND	ND	102		
	5963	SB-4,8	S	ND	ND	ND	ND	ND	ND	94		
	5965	SB-3,8	S	40,g	ND	ND	ND	0.012	ND	97		
	5967	SB-1,5	S	ND	ND	ND	ND	ND	ND	101		
1	5969	SB1,8	S	ND	ND	ND	ND	ND	ND	95		
1:	5970 <sub>.</sub>	SB1W	w	ND,i	ND	ND	ND	ND	ND	108		
1:	5971	SB2W	W	ND,i	ND	ND	ND	ND	ND	104		
15	5972	SB3W	w	4500,j,b,h,i	ND<20	ND	4.4	2.7	4.0	102		
15	5973	SB4W	w	ND,i	ND	ND	ND	ND	ND	109		
15	974	SB6W	w	160,b,i	ND	ND	ND	ND	ND	100		
										·		
	·							· .				
	E.											
· 0	therwise	Limit unless stated; ND	w	50 ug/L	5.0	0.5	0.5	0.5	0.5			
mea	ins not d the report	etected above rting limit	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005			

\* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

\* cluttered chromatogram; sample peak coelutes with surrogate peak

<sup>t</sup>The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

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Basics Environmental	Client Proje	ect ID: Alameda	Date Sampled: (	Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99			
Orinda, CA 94563	Client Conta	act: Donavan Tom	Date Extracted:			
	Client P.O;					
			Date Analyzed:	07/26-08/02/99		
EPA method 8260	Volat	ile Organics By GC/MS	••••••••••••••••••••••••••••••••••••••			
Lab ID		15958	·····			
Client ID						
Matrix		<u>SB6,5</u>				
Compound	Concentration*					
Acetone (b)	ND<15	Compound	· · · · · · · · · · · · · · · · · · ·	Concentration*		
Benzene	ND	trans-1,3-Dichloropropene		ND		
Bromobenzene	ND	Ethylene dibromide		ND		
Bromochloromethane	ND	Ethylbenzene	· ·	ND		
Bromodichloromethane	ND	Hexachlorobutadiene		ND		
Bromoform	ND	Iodomethane		ND		
Bromomethane	ND	Isopropylbenzene		ND		
n-Butyl benzene	ND	p-Isopropyl toluene		ND		
sec-Butyl benzene	ND	Methyl butyl ketone (d)		ND		
tert-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		ND<10		
Carbon Disulfide	ND	Methyl ethyl ketone (0		ND		
Carbon Tetrachloride	ND	Methyl isobutyl ketone (g)		ND		
Chlorobenzene	ND	Methyl tert-Butyl Ether (MTBE) Naphthalene				
Chloroethane	ND			ND<10		
2-Chloroethyl Vinyl Ether(c)	ND	n-Propyl benzene Styrene <sup>(1)</sup>		ND		
Chloroform	ND			ND		
Chloromethane	ND	1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane		ND		
2-Chlorotoluene	ND	Tetrachloroethene		ND		
4-Chlorotoluene	ND	Toluene <sup>(m)</sup>		ND<10		
Dibromochloromethane	ND	1,2,3-Trichlorobenzene		ND		
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene		ND		
Dibromomethane		1,1,1-Trichloroethane		ND		
1,2-Dichlorobenzene		1,1,2-Trichloroethane		ND		
1,3-Dichlorobenzene	ND	Trichloroethene		ND		
1,4-Dichlorobenzene		Trichlorofluoromethane		ND		
Dichlorodifluoromethane	the second se	1,2,3-Trichloropropane		ND		
,1-Dichloroethane		1,2,4-Trimethylbenzene		ND		
,2-Dichloroethane		1,3,5-Trimethylbenzene		ND		
,1-Dichloroethene	and the second design of the s	Vinyl Acetate (n)		ND		
is-1,2-Dichloroethene	the second se	Vinyl Chloride (0)		ND		
rans-1,2-Dichloroethene	and the second se	Xylenes, total <sup>(p)</sup>		ND		
,2-Dichloropropane		Comments:		ND		
,3-Dichloropropane	ND					
2-Dichloropropane		Dibromofluoromethane	Recoveries (%)	·		
,1-Dichloropropene		Foluene-d8		100		
is-1,3-Dichloropropene		-Bromofluorobenzene		107		
vater and vapor samples are reported in a		2. chionaoi obchizene		99		

\*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

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Basics Environmental	Client Proje	ct ID: Alameda	Date Sampled: (	7/24/99	
116 Gloreitta Boulevard			Date Received:	ived: 07/24/99	
Orinda, CA 94563	Client Cont	act: Donavan Tom	Date Extracted:	07/24/99	
	Client P.O:		Date Analyzed:	07/26-08/02/99	
EPA method 8260	Volat	ile Organics By GC/MS			
Lab ID	T	1.0.0			
Client ID		15961			
Matrix	· · · · · · · · · · · · · · · · · · ·	SB5,8			
Compound	Concentration*	S			
Acetone (b)		Compound		Concentration	
Benzene	ND<15	trans-1,3-Dichloropropene		ND	
Bromobenzene	ND ND	Ethylene dibromide		ND	
Bromochloromethane	ND	Ethylbenzene		ND	
Bromodichloromethane	ND	Hexachlorobutadiene		ND	
Bromoform	ND ND	Iodomethane		ND	
Bromomethane		Isopropylbenzene		ND	
n-Butyl benzene	ND ND	p-Isopropyi toluene		ND	
ec-Butyl benzene	ND ND	Methyl butyl ketone <sup>(d)</sup>		ND	
ert-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		ND<10	
Carbon Disulfide	ND	Methyl ethyl ketone <sup>(f)</sup>		· ND	
Carbon Tetrachloride	ND ND	Methyl isobutyl ketone (g)		NÐ	
Chlorobenzene	ND	Methyl tert-Butyl Ether (MTBE)		$\langle - \rangle$	
Chloroethane	ND	Naphthalene		ND<10	
-Chloroethyl Vinyl Ether <sup>(c)</sup>	ND	n-Propyl benzene		ND	
Chloroform	ND	Styrene (1)		ND	
Chloromethane	ND ND	1,1,1,2-Tetrachloroethane		ND	
-Chlorotoluene	ND ND	1,1,2,2-Tetrachloroethane		ND	
-Chlorotoluene	ND ND	Tetrachloroethene		ND<10	
Dibromochloromethane	ND ND	Toluene <sup>(m)</sup>		ND	
2-Dibromo-3-chloropropane	ND	1,2,3-Trichlorobenzene		ND	
ibromomethane	ND ND	1,2,4-Trichlorobenzene		ND	
2-Dichlorobenzene	ND	1,1,1-Trichloroethane		ND	
3-Dichlorobenzene	ND	1,1,2-Trichloroethane		ND	
4-Dichlorobenzene	ND	Trichloroethene		ND	
ichlorodifluoromethane	ND	Trichlorofluoromethane		ND	
1-Dichloroethane	ND	1,2,3-Trichloropropane		ND	
2-Dichloroethane	ND	1,2,4-Trimethylbenzene		ND	
I-Dichloroethene		1,3,5-Trimethylbenzene		ND	
-1,2-Dichloroethene		Vinyl Acetate <sup>(n)</sup> Vinyl Chloride <sup>(0)</sup>		ND	
ns-1,2-Dichloroethene		Xylenes, total (9)		ND	
2-Dichloropropane				ND	
-Dichloropropane		Comments:			
-Dichloropropane	ND ND	Surrogate I	Recoveries (%)		
-Dichloropropene	the second se	Dibromofluoromethane		102	
-1,3-Dichloropropene		Toluene-d8		108	
		4-Bromofluorobenzene		106	

\*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

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Basics Environmental	Client Proje	ct ID: Alameda	Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99		
Orinda, CA 94563	Client Conta	act: Donavan Tom	Date Extracted: 07/24/99		
	Client P.O:		Date Analyzed: (	7/26-08/02/00	
	Volat	ile Organics By GC/MS			
EPA method 8260	T				
Lab ID		15963			
Client ID	<u> </u>	SB4,8	· · · ·		
Matrix	Į	S	······		
Compound	Concentration*	Compound		Concentration*	
Acetone (b)	ND<15	trans-1,3-Dichloropropene	·····		
Benzene	ND	Ethylene dibromide		ND	
Bromobenzene	ND	Ethylbenzene		ND	
Bromochloromethane	ND	Hexachlorobutadiene		ND	
Bromodichloromethane	ND	Iodomethane		ND	
Bromoform	ND	Isopropylbenzene		ND	
Bromomethane	ND	p-Isopropyl toluene		ND	
n-Butyl benzene	ND	Methyl butyl ketone (d)		ND	
sec-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		ND	
tert-Butyl benzene	ND	Methyl ethyl ketone <sup>(f)</sup>		ND<10	
Carbon Disulfide	ND	Methyl isobutyl ketone <sup>(g)</sup>		ND	
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)		ND	
Chlorobenzene	ND	Naphthalene			
Chloroethane	ND	n-Propyl benzene		ND<10	
2-Chloroethyl Vinyl Ether <sup>(c)</sup>	ND	Styrene <sup>(1)</sup>		ND	
Chloroform	ND	1,1,1,2-Tetrachloroethane		ND	
Chloromethane	ND	1,1,2,2-Tetrachloroethane		ND	
2-Chlorotoluene	ND	Tetrachloroethene			
4-Chlorotoluene	ND	Toluene <sup>(m)</sup>		ND<10	
Dibromochloromethane	ND	1,2,3-Trichlorobenzene		ND	
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene		ND	
Dibromomethane	ND	1,1,1-Trichloroethane		ND	
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane		ND	
1,3-Dichlorobenzene	ND	Trichloroethene		ND	
1,4-Dichlorobenzene	ND	Trichlorofluoromethane		ND	
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane		ND	
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene		ND	
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene		ND	
1,1-Dichloroethene	ND	Vinyl Acetate (a)		ND	
cis-1,2-Dichloroethene	ND	Vinyl Chloride <sup>(0)</sup>		ND	
trans-1,2-Dichloroethene	the second se	Xylenes, total <sup>(p)</sup>		ND	
1,2-Dichloropropane				ND	
1,3-Dichloropropane	the second se	Comments:			
2,2-Dichloropropane	ND ND	Surrogate R	ecoveries (%)		
1,1-Dichloropropene		Dibromofluoromethane		103	
cis-1,3-Dichloropropene		Toluene-d8		105	
	IND	4-Bromofluorobenzene		98	

water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

DHS Certification No. 1644



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

Basics Environmental	Client Project ID: Alameda	Date Sampled: 07/24/99
116 Gloreitta Boulevard		Date Received: 07/24/99
Orinda, CA 94563	Client Contact: Donavan Tom	Date Extracted: 07/24/99
	Client P.O:	Date Analyzed: 07/26-08/02/99
EPA method 8260	Volatile Organics By GC/MS	
Lab ID	15	965
Client ID		33,8
Matrix		<u>~~</u>

Client ID		SB3,8	······································
Matrix		S	
Compound	Concentration*	Compound	Concentration*
Acetone <sup>(b)</sup>	ND<15	trans-1,3-Dichloropropene	ND
Benzene	ND	Ethylene dibromide	
Bromobenzene	ND	Ethylbenzene	ND
Bromochloromethane	ND	Hexachlorobutadiene	ND
Bromodichloromethane	ND	Iodomethane	ND
Bromoform	ND	Isopropylbenzene	ND
Bromomethane	ND	p-Isopropyl toluene	ND
n-Butyl benzene	ND	Methyl butyl ketone <sup>(d)</sup>	ND
sec-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>	ND
tert-Butyl benzene	ND	Methyl ethyl ketone <sup>(f)</sup>	ND<10
Carbon Disulfide	ND	Methyl isobutyl ketone (c)	ND
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)	ND
Chlorobenzene	ND	Naphthalene	
Chloroethane	ND	n-Propyl benzene	ND<10
2-Chloroethyl Vinyl Ether(c)	ND	Styrene <sup>(1)</sup>	ND
Chioroform	ND	1,1,1,2-Tetrachloroethane	ND
Chloromethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chlorotoluene	ND	Tetrachloroethene	ND
4-Chlorotoluene	ND	Toluene <sup>(m)</sup>	ND<10
Dibromochloromethane	ND	1,2,3-Trichlorobenzene	ND
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	ND
Dibromomethane	ND	1.1.1-Trichloroethane	ND
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane	ND
1,3-Dichlorobenzene	ND	Trichloroethene	ND
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	ND
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane	ND
1,1-Dichloroethane	ND	1,2,4-Trimethylbenzene	ND
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichlorocthene	ND	Vinyl Acetate <sup>(n)</sup>	ND
cis-1,2-Dichloroethene	ND	Vinyl Chloride <sup>(0)</sup>	ND
trans-1,2-Dichloroethene	ND	Xylenes, total <sup>(p)</sup>	ND
1,2-Dichloropropane	ND	Comments:	ND
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND ND	Surrogate Recoveries (%) Dibromofluoromethane	
1,1-Dichloropropene	ND ND	Toluene-d8	101
cis-1,3-Dichloropropene			106
		4-Bromofluorobenzene	106

water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

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Basics Environmental	Client Project ID: Alameda		Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99		
Orinda, CA 94563	Client Conta	ct: Donavan Tom	Date Extracted: 0	7/24/99	
	Client P.O:	Client P.O: Date Analyzed:		7/26-08/02/99	
EPA method 8260	Volati	le Organics By GC/MS			
Lab ID	1	15967			
Client ID		SB2,8	·	······	
Matrix		<u> </u>			
Compound	Concentration*	Compound		Concentration	
Acetone (b)	ND<15	trans-1,3-Dichloropropene			
Benzene	ND	Ethylene dibromide	······································	ND	
Bromobenzene	ND	Ethylbenzene	······	ND	
Bromochloromethane	ND	Hexachlorobutadiene		ND ND	
Bromodichloromethane	ND	Iodomethane		ND	
Bromoform	ND	Isopropylbenzene		ND	
Bromomethane	ND	p-Isopropyl toluene			
n-Butyl benzene	ND	Methyl butyl ketone <sup>(d)</sup>		ND ND	
sec-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		ND<10	
tert-Butyl benzene	ND	Methyl ethyl ketone <sup>(f)</sup>		ND	
Carbon Disulfide	13	Methyl isobutyl ketone (2)		ND	
Carbon Tetrachloride	ND	Methyl tert-Butyl Ether (MTBE)		110	
Chlorobenzene	ND	Naphthalene		ND<10	
Chloroethane	ND	n-Propyl benzene		ND	
2-Chloroethyl Vinyl Ether(c)	ND	Styrene <sup>(1)</sup>		ND	
Chloroform	ND	1,1,1,2-Tetrachloroethane		ND	
Chloromethane	ND	1,1,2,2-Tetrachloroethane		ND	
2-Chlorotoluene	ND	Tetrachloroethene		ND<10	
4-Chlorotoluene	ND	Toluene <sup>(m)</sup>		ND	
Dibromochloromethane	ND	1,2,3-Trichlorobenzene		ND ND	
1,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene		ND	
Dibromomethane	ND	1,1,1-Trichloroethane	· · · · · · · · · · · · · · · · · · ·	ND	
1,2-Dichlorobenzene	ND	1,1,2-Trichloroethane		ND	
1,3-Dichlorobenzene	ND	Trichloroethene		ND	
1,4-Dichlorobenzene	ND	Trichlorofluoromethane	· · · · · · · · · · · · · · · · · · ·	ND	
Dichlorodifluoromethane	ND	1,2,3-Trichloropropane		ND	
1,1-Dichloroethane	ND.	1,2,4-Trimethylbenzene		ND	
1,2-Dichloroethane	ND	1,3,5-Trimethylbenzene	· · ·	ND	
1,1-Dichloroethene	ND	Vinyl Acetate (n)	· ·	ND	
cis-1,2-Dichloroethene	ND	Vinyl Chloride <sup>(0)</sup>		ND	
rans-1,2-Dichloroethene	ND	Xylenes, total <sup>(p)</sup>		ND	
1,2-Dichloropropane	ND	Comments:	· ·		
1,3-Dichloropropane	ND		e Recoveries (%)		
2,2-Dichloropropane	ND	Dibromofluoromethane		80	
1,1-Dichloropropene	ND	Toluene-d8		104	
cis-1,3-Dichloropropene	ND	4-Bromofluorobenzene	· · · · · · · · · · · · · · · · · · ·	113	

\*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

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**Basics** Environmental Client Project ID: Alameda Date Sampled: 07/24/99 116 Gloreitta Boulevard Date Received: 07/24/99 Orinda, CA 94563 Client Contact: Donavan Tom Date Extracted: 07/24/99 Client P.O: Date Analyzed: 07/26-08/02/99 Volatile Organics By GC/MS EPA method 8260 Lab ID 15969 Client ID SB1,8 Matrix S Compound Concentration\* Compound Acetone (b) Concentration\* ND<15 trans-1,3-Dichloropropene Benzene ND ND Ethylene dibromide Bromobenzene ND ND Ethylbenzene Bromochloromethane ND ND Hexachlorobutadiene Bromodichloromethane ND ND Iodomethane Bromoform ND ND Isopropylbenzene Bromomethane ND ND p-isopropyl toluene n-Butyl benzene ND ND Methyl butyl ketone (d) sec-Butyl benzene ND ND Methylene Chloride(e) tert-Butyl benzene ND<10 ND Methyl ethyl ketone (1) Carbon Disulfide ND ND Methyl isobutyl ketone (8) Carbon Tetrachloride ND ND Methyl tert-Butyl Ether (MTBE) Chlorobenzene ND Naphthalene Chloroethane ND<10 ND n-Propyl benzene 2-Chloroethyl Vinyl Ether(c) ND ND Styrene<sup>(1)</sup> Chloroform ND ND 1,1,1,2-Tetrachloroethane Chloromethane ND ND 1,1,2,2-Tetrachloroethane 2-Chlorotoluene ND ND Tetrachloroethene 4-Chlorotoluene ND<10 ND Toluene<sup>(m)</sup> Dibromochloromethane ND ND 1,2,3-Trichlorobenzene 1,2-Dibromo-3-chloropropane ND ND 1,2,4-Trichlorobenzene Dibromomethane ND ND 1,1,1-Trichloroethane 1,2-Dichlorobenzene ND ND 1,1,2-Trichloroethane 1,3-Dichlorobenzene ND ND Trichloroethene 1,4-Dichlorobenzene ND ND Trichlorofluoromethane Dichlorodifluoromethane ND ND 1,2,3-Trichloropropane 1,1-Dichloroethane ND ND 1,2,4-Trimethylbenzene 1,2-Dichloroethane ND ND 1,3,5-Trimethylbenzene 1,1-Dichloroethene ND ND Vinyl Acetate (n) cis-1,2-Dichloroethene ND ND Vinyl Chloride (0) trans-1,2-Dichloroethene ND ND Xylenes, total (p) 1,2-Dichloropropane ND ND Comments: 1,3-Dichloropropane ND Surrogate Recoveries (%) 2,2-Dichloropropane ND Dibromofluoromethane 1,1-Dichloropropene 103 ND Toluene-d8 cis-1,3-Dichloropropene 114 ND 4-Bromofluorobenzene 120 water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

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Basics Environmental	Client Pro	ject ID: Alameda	Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99		
Orinda, CA 94563	Client Cor	ntact: Donavan Tom	Date Extracted:		
	Client P.O	:	Date Analyzed:		
EPA method 8260	Vola	atile Organics By GC/MS			
Lab ID					
Client ID		1597			
Matrix		SBIV	/		
Compound	Concentration	• W		•	
Acetone (b)	and the second division of the second divisio	Compou	nd	Concentration	
Benzene	ND<5	trans-1,3-Dichloropropene			
Bromobenzene	ND	Ethylene dibromide		ND	
Bromochloromethane	ND	Ethylbenzene	· · · · · · · · · · · · · · · · · · ·	ND	
Bromodichloromethane	ND	Hexachlorobutadiene		ND	
Bromoform	ND	Iodomethane		ND	
Bromomethane	ND	Isopropylbenzene		ND	
n-Butyl benzene	ND	p-Isopropyl toluene		ND	
ec-Butyl benzene	ND	Methyl butyl ketone <sup>(d)</sup>		ND ND	
ert-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		the second se	
Carbon Disulfide	ND	Methyl ethyl ketone (1)	ND<5 ND		
Carbon Tetrachloride	ND	Methyl isobutyl ketone (g)	ND		
Chlorobenzene	ND	Methyl tert-Butyl Ether (MTBE)			
Chloroethane	ND	Naphthalene		ND	
-Chloroethyl Vinyl Ether(c)	ND	n-Propyl benzene		ND	
hloroform	ND	Styrene <sup>(I)</sup>		ND	
hloromethane	ND	1,1,1,2-Tetrachloroethane		ND	
Chlorotoluene	ND	1,1,2,2-Tetrachloroethane		ND	
Chlorotoluene	ND	Tetrachloroethene		ND<5	
ibromochloromethane	ND ND	Toluene <sup>(m)</sup>		ND ND	
2-Dibromo-3-chloropropane		1,2,3-Trichlorobenzene		ND	
ibromomethane	ND ND	1,2,4-Trichlorobenzene		ND	
2-Dichlorobenzene	ND ND	1,1,1-Trichloroethane		ND	
3-Dichlorobenzene	ND	1,1,2-Trichloroethane		ND	
4-Dichlorobenzene	ND	Trichloroethene		ND	
chlorodifluoromethane	ND	Trichlorofluoromethane		ND	
-Dichloroethane	ND	1,2,3-Trichloropropane		ND	
-Dichloroethane	ND	1,2,4-Trimethylbenzene		ND	
-Dichloroethene	ND	1,3,5-Trimethylbenzene		ND	
-1,2-Dichloroethene	ND ND	Vinyl Acetate (a)		ND	
ns-1,2-Dichloroethene	ND	Vinyl Chloride <sup>(0)</sup>		ND	
-Dichloropropane	the second s	Xylenes, total <sup>(p)</sup>		ND ND	
-Dichloropropane	ND	Comments: i			
Dichloropropane	ND ND	Surrogat	e Recoveries (%)		
Dichloropropene	ND	Dioromofluoromethane	T	105	
1,3-Dichloropropene	ND ND	Toluene-d8	· · · · · · · · · · · · · · · · · · ·	105	
	ND /L, soil and sludg	4-Bromofluorobenzene		99	

., soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

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Basics Environmental	Client Pro	ject ID: Alameda	Date Sampled:	Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99			
Orinda, CA 94563	Client Con	Client Contact: Donavan Tom		Date Extracted: 07/26-08/02/99		
	Client P.O:					
EPA method 8260	Vola	tile Organics By GC/MS	Date Analyzed	07/26-08/02/99		
Lab ID						
Client ID			971			
Matrix	1	SB				
Compound	Concentration*	Centration#				
Acetone (b)	The second se	Comp	ound	Concertation		
Benzene	ND<5	trans-1,3-Dichloropropene		Concentration		
Bromobenzene	ND ND	Ethylene dibromide		ND		
Bromochloromethane	ND ND	Ethylbenzene	· · · · · · · · · · · · · · · · · · ·	ND		
Bromodichloromethane	ND ND	Hexachlorobutadiene		ND		
Bromoform	ND	lodomethane		ND		
Bromomethane	ND	Isopropylbenzene		ND- ND		
n-Butyl benzene	ND	p-Isopropyl toluene		ND		
sec-Butyl benzene	ND	Methyl butyl ketone <sup>(d)</sup> Methylene Chloride <sup>(e)</sup>		ND		
ert-Butyl benzene	ND	Methyl ethyl ketone (f)		ND<5		
Carbon Disulfide	ND	Methyl isobutyl ketone (g)		ND		
Carbon Tetrachloride Chlorobenzene	ND	Methyl tert-Butyl Ether (MTBI		ND		
Chloroethane	ND	Naphthalene	E)			
-Chloroethyl Vinyl Ether <sup>(c)</sup>	ND	n-Propyl benzene		ND		
hloroform	ND	Styrene <sup>(b)</sup>	· · · · · · · · · · · · · · · · · · ·	ND		
hloromethane	ND	1,1,1,2-Tetrachloroethane		ND		
Chlorotoluene	ND	1,1,2,2-Tetrachloroethane		ND		
Chlorotoluene	ND	Tetrachloroethene		ND		
ibromochloromethane	ND	Toluene <sup>(m)</sup>		ND<5		
2-Dibromo-3-chloropropane	ND	1,2,3-Trichlorobenzene		ND		
bromomethane	ND	1,2,4-Trichlorobenzene		ND		
2-Dichlorobenzene	ND	1,1,1-Trichloroethane		ND		
B-Dichlorobenzene	ND	1,1,2-Trichloroethane		ND		
-Dichlorobenzene	ND ND	Trichloroethene		ND		
chlorodifluoromethane		Trichlorofluoromethane		ND		
-Dichloroethane		1,2,3-Trichloropropane		ND ND		
-Dichloroethane		1,2,4-Trimethylbenzene		ND		
-Dichloroethene		1,3,5-Trimethylbenzene		ND		
1,2-Dichloroethene		Vinyl Acetate <sup>(n)</sup> Vinyl Chloride <sup>(o)</sup>		ND		
s-1,2-Dichloroethene	and the second se	Xylenes, total <sup>(b)</sup>		ND		
Dichloropropane		Comments: i		ND		
Dichloropropane	ND					
Dichloropropane		Surroge	te Recoveries (%)			
Dichloropropene		Dibromofluoromethane	T	104		
,3-Dichloropropene		-Bromofluorobenzene		103		
er and vapor samples are reported in u orting limits unless otherwise stated: w		Diomonuoropenzene				

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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Basics Environmental	Client Proi	ect ID: Alameda	Date Sampled: 07/24/99		
		A ID. Alameda			
116 Gloreitta Boulevard			Date Received: 07/24/99		
Orinda, CA 94563	Client Cont	act: Donavan Tom	Date Extracted: 07/26-08/02/99		
	Client P.O:		Date Analyzed: (	7/26 08/02/00	
EPA method 8260	Volat	ile Organics By GC/MS		///20-08/02/99	
Lab ID	T				
Client ID		15972			
Matrix	<u> </u>	SB3W			
Compound					
Acetone (b)	Concentration*	Compound		Concentration	
	ND<2.5	trans-1,3-Dichloropropene	······································	Concentration*	
Benzene	ND<2.5	Ethylene dibromide	·····	ND<2.5	
Bromobenzene	ND<2.5	Ethylbenzene		ND<2.5	
Bromochloromethane	ND<2.5	Hexachlorobutadiene		ND<2.5	
Bromodichloromethane	ND<2.5	Iodomethane		ND<2.5	
Bromoform	ND<2.5	Isopropylbenzene		ND<2.5	
Bromomethane	ND<2.5	p-Isopropyl toluene	· · · · · · · · · · · · · · · · · · ·	45	
n-Butyl benzene	10	Methyl butyl ketone (d)		ND<2.5	
sec-Butyl benzene	14	Methylene Chloride <sup>(e)</sup>		ND<2.5	
tert-Butyl benzene	ND<2.5	Methyl ethyl ketone ()		ND<2.5	
Carbon Disulfide	ND<2.5	Methyl isobutyl ketone (g)		ND<2.5	
Carbon Tetrachloride	ND<2.5	Methyl tert-Butyl Ether (MTBE)		ND<2.5	
Chlorobenzene	ND<2.5	Naphthalene			
Chloroethane	ND<2.5	n-Propyl benzene		ND<5	
2-Chloroethyl Vinyl Ether(c)	ND<2.5	Styrene <sup>(1)</sup>		60	
Chloroform	ND<2.5	1,1,1,2-Tetrachloroethane		ND<2.5	
Chloromethane	ND<2.5	1,1,2,2-Tetrachloroethane		ND<2.5	
2-Chlorotoluene	ND<2.5	Tetrachloroethene		ND<2.5	
4-Chlorotoluene	ND<2.5	Toluene <sup>(m)</sup>		ND<2.5	
Dibromochloromethane	ND<2.5	1,2,3-Trichlorobenzene		ND<2.5	
1,2-Dibromo-3-chloropropane	ND<2.5	1,2,4-Trichlorobenzene		ND<2.5	
Dibromomethane	ND<2.5	1,1,1-Trichloroethane		ND<2.5	
1,2-Dichlorobenzene	ND<2.5	1,1,2-Trichloroethane		ND<2.5	
1,3-Dichlorobenzene	ND<2.5	Trichloroethene		ND<2.5	
1,4-Dichlorobenzene	ND<2.5	Trichlorofluoromethane		ND<2.5	
Dichlorodifiuoromethane	ND<2.5	1,2,3-Trichloropropane		ND<2.5	
1,1-Dichloroethane	ND<2.5	1,2,4-Trimethylbenzene		ND<2.5	
1,2-Dichloroethane	ND<2.5	1,3,5-Trimethylbenzene		ND<2.5	
1,1-Dichloroethene	ND<2.5	Vinyl Acetate (n)		ND<2.5	
cis-1,2-Dichloroethene		Vinyl Chloride <sup>(0)</sup>		26	
trans-1,2-Dichloroethene		Xylenes, total <sup>(p)</sup>		ND<2.5	
1,2-Dichloropropane		Comments: h,i		ND<2.5	
1,3-Dichloropropane	ND<2.5				
2,2-Dichloropropane		Surrogate Rec	overies (%)		
,1-Dichloropropene		Foluene-d8		102	
cis-1,3-Dichloropropene	the second se	1-Bromofluorobenzene	I	110	
		- Bromonuorobenzene		93	

\*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

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(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

DHS Certification No. 1644

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

Basics Environmental	Client Proje	ct ID: Alameda	Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99		
Orinda, CA 94563	Client Conta	act: Donavan Tom	Date Extracted:	07/26-08/02/99	
	Client P.O:		Date Analyzed:		
EPA method 8260	Volat	ile Organics By GC/MS			
Lab ID		16072	·		
Client ID	Lat ID         15973           Client ID         SB4W				
Matrix					
Compound	Concentration*	W			
Acetone <sup>(b)</sup>		Compound		Concentration	
Benzene	ND<5	trans-1,3-Dichloropropene		ND	
Bromobenzene	ND	Ethylene dibromide		ND	
Bromochloromethane	ND	Ethylbenzene		ND	
Bromodichloromethane	ND	Hexachlorobutadiene	·	ND	
Bromoform	ND	Iodomethane		ND	
Bromomethane	ND	Isopropylbenzene		ND	
1-Butyl benzene	ND	p-Isopropyl toluene		ND	
ec-Butyl benzene	ND	Methyl butyl ketone <sup>(d)</sup>		ND	
ert-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		ND<5	
Carbon Disulfide	ND	Methyl ethyl ketone <sup>(f)</sup>		ND	
Carbon Tetrachloride	ND	Methyl isobutyl ketone (g)	ND		
Chlorobenzene	ND	Methyl tert-Butyl Ether (MTBE)			
Chloroethane	ND	Naphthalene		ND	
-Chloroethyl Vinyl Ether(c)	ND	n-Propyl benzene		ND	
Chloroform	ND ND	Styrene <sup>(1)</sup>		ND	
Chloromethane	ND ND	1,1,1,2-Tetrachloroethane		ND	
-Chlorotoluene	ND ND	1,1,2,2-Tetrachloroethane		ND	
-Chlorotoluene	ND ND	Tetrachloroethene		ND<5	
bibromochloromethane		Toluene <sup>(m)</sup>		ND	
2-Dibromo-3-chloropropane	ND ND	1,2,3-Trichlorobenzene		ND	
ibromomethane	ND ND	1,2,4-Trichlorobenzene		ND	
2-Dichlorobenzene	ND ND	1,1,1-Trichloroethane		ND	
3-Dichlorobenzene	ND ND	1,1,2-Trichloroethane		ND	
4-Dichlorobenzene	ND ND	Trichloroethene		ND	
ichlorodifluoromethane	ND ND	Trichlorofluoromethane		ND	
1-Dichloroethane	ND	1,2,3-Trichloropropane		ND	
2-Dichloroethane	ND	1,2,4-Trimethylbenzene		ND	
1-Dichloroethene	ND	1,3,5-Trimethylbenzene Vinyl Acetate (n)		ND	
s-1,2-Dichloroethene		Vinyl Chloride (0)		ND	
uns-1,2-Dichloroethene		Xylenes, total <sup>(p)</sup>		ND	
2-Dichloropropane			l	ND	
B-Dichloropropane		Comments: i			
2-Dichloropropane	ND ND	Surrogate I	Recoveries (%)		
-Dichloropropene	and the second se	Dibromofluoromethane		105	
-1,3-Dichloropropene	ND	Toluene-d8	105		

water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

Basics Environmental	Client Proj	ect ID: Alameda	Date Sampled: 07/24/99		
116 Gloreitta Boulevard			Date Received: 07/24/99		
Orinda, CA 94563	Client Con	tact: Donavan Tom	Date Extracted:	07/26-08/02/99	
	Client P.O:		Date Analyzed:	07/26-08/02/99	
EPA method 8260	Vola	tile Organics By GC/MS			
Lab ID	l	16074			
Client ID		15974	·····		
Matrix		SB6W			
Compound	Concentration*	W			
Acetone (b)	ND<5	Compoun	1	Concentration	
Benzene	ND~5	trans-1,3-Dichloropropene		ND	
Bromobenzene	ND	Ethylene dibromide		ND	
Bromochloromethane	ND ND	Ethylbenzene		ND	
Bromodichloromethane	ND ND	Hexachlorobutadiene		ND	
Bromoform	ND	Iodomethane		ND	
Bromomethane	ND	Isopropylbenzene		ND	
n-Butyl benzene	ND ND	p-Isopropyl toluene	·	ND	
sec-Butyl benzene	ND ND	Methyl butyl ketone <sup>(d)</sup>		ND	
tert-Butyl benzene	ND	Methylene Chloride <sup>(e)</sup>		ND<5	
Carbon Disulfide	ND	Methyl ethyl ketone <sup>(h)</sup>		ND	
Carbon Tetrachloride	ND	Methyl isobutyl ketone (2)		ND	
Chlorobenzene	ND	Methyl tert-Butyl Ether (MTBE) Naphthalene		***	
Chloroethane	ND	n-Propyl benzene		ND	
2-Chloroethyl Vinyl Ether(c)	ND	Styrene <sup>(1)</sup>		ND	
Chloroform	ND	1,1,1,2-Tetrachloroethane		ND	
Chloromethane	ND	1,1,2,2-Tetrachloroethane		ND	
2-Chlorotoluene	ND	Tetrachloroethene		ND	
-Chlorotoluene	ND	Toluene (m)		ND<5	
Dibromochloromethane	ND	1,2,3-Trichlorobenzene		ND	
,2-Dibromo-3-chloropropane	ND	1,2,4-Trichlorobenzene	· ·	ND	
Dibromomethane	ND	1,1,1-Trichloroethane		ND	
,2-Dichlorobenzene	ND	1,1,2-Trichloroethane		ND	
,3-Dichlorobenzene	ND	Trichloroethene		ND	
,4-Dichlorobenzene	ND	Trichlorofluoromethane		ND	
ichlorodifluoromethane	ND	1,2,3-Trichloropropane		ND	
1-Dichloroethane	ND	1,2,4-Trimethylbenzene		ND	
2-Dichloroethane	ND	1,3,5-Trimethylbenzene		ND	
1-Dichloroethene	ND	Vinyl Acetate (n)		ND ND	
s-1,2-Dichloroethene	ND	Vinyl Chloride <sup>(0)</sup>		ND	
ans-1,2-Dichloroethene	ND	Xylenes, total <sup>(p)</sup>		ND ND	
2-Dichloropropane	ND	Comments: i		<u>UM</u>	
3-Dichloropropane	ND		Recoveries (%)		
2-Dichloropropane	ND	Dibromofluoromethane	Accoveries (%)	112	
1-Dichloropropene	ND	Toluene-d8		112	
s-1,3-Dichloropropene	ND	4-Bromofluorobenzene	103 97		

er and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L

Reporting limits unless otherwise stated: water samples 1 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n)

DHS Certification No. 1644

110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 07/25/99-07/26/99

Matrix: WATER

Analyte	Concen Sample	tration	(ug/L)		8 Reco	overy	
	(#15450	) MS	MSD	Amount Spiked	MS	MSD	RPD
TPH (gas) Benzene Toluene Ethyl Benzene Xylenes	0.0 0.0 0.0 0.0 0.0	107.4 9.9 10.1 10.3 30.8	105.4 9.6 9.8 10.0 30.1	100.0 10.0 10.0 10.0 30.0	107.4 99.0 101.0 103.0 102.7	105.4 96.0 98.0 100.0 100.3	1.9 3.1 3.0 3.0 2.3
TPH(diesel)	0.0	7717	7643	7500	103	102	1.0
TRPH (oil & grease)	0	21000	21400	23700	89	90	1.9

 $\frac{1}{2}$  Rec. = (MS - Sample) / amount spiked x 100

110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 925-798-1620 Fax: 925-798-1622

# QC REPORT FOR HYDROCARBON ANALYSES

Date: 07/25/99-07/26/99

Matrix: SOIL

Analyte	Concent Sample	ration	(mg/kg)	]	* Reco	very	
	(#09617)	MS	MSD	Amount Spiked	MS	MSD	RPD
TPH (gas) Benzene Toluene Ethylbenzene Xylenes	0.000 0.000 0.000 0.000 0.000	2.162 0.196 0.204 0.206 0.598	2.172 0.212 0.220 0.224 0.644	2.03 0.2 0.2 0.2 0.2 0.6	107 98 102 103 100	107 106 110 112 107	0.5 7.8 7.5 8.4 7.4
TPH(diesel)	0	318	319	300	106	106	0.3
TRPH (oil and grease)	0.0	21.0	21.4	20.8	101	103	1.9

% Rec. = (MS - Sample) / amount spiked x 100

1

110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR VOCs (EPA 8240/8260 )

Date: 07/25/99-07/26/99

Matrix: WATER

Analyte	Concentr Sample	ation	(ug/kg,u		* Reco	very	
	(#15328)	MS	MSD	Amount Spiked	MS	MSD	RPD
1,1-Dichloroethe Trichloroethene EDB Chlorobenzene Benzene Toluene	0 0 N/A 0 0 0	116 92 N/A 102 100 104	117 93 N/A 105 98 108	100 100 N/A 100 100 100	116 92 N/A 102 100 104	117 93 N/A 105 98 108	0.9 1.1 N/A 2.9 2.0 3.8

% Rec. = (MS - Sample) / amount spiked x 100

QC REPORT FOR VOCs (EPA 8240/8260)

Date: 0

07/25/99-07/26/99

Matrix: SOIL

Analyte	Concentr Sample	ation	(ug/kg,u		& Reco		
	(#09033)	MS	MSD	Amount Spiked	MS	MSD	RPD
1,1-Dichloroethe Trichloroethene EDB Chlorobenzene Benzene Toluene	0 0 N/A 0 0 0	98 84 N/A 101 105 101	98 82 N/A 99 100 100	100 100 N/A 100 100 100	98 84 N/A 101 105 101	98 82 N/A 99 100 100	0.0 2.4 N/A 2.0 4.9 1.0

% Rec. = (MS - Sample) / amount spiked x 100

k SDAY	Comments		15958		15959 1		I FORN		10 <u>201</u>	Distant of the	15963	VENCE V	40AC1	<b>ISGEE</b>		15966 V		7.15967	H. T. T.	15968			IEG76				1.5071	I VOL	15972	
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# ATTACHMENT D

# Site Assessment Report (May 1, 2000) Prepared by Toxichem



## **TOXICHEM** Management Systems, Inc.

**Environmental & Occupational Health Services** 

1562 44th Avenue San Francisco, California 94122 (415) 681-8816 / Fax (415) 681-8132 Industrial Hygiene - Exposure Assessment Quantitative Risk Assessment Compliance Audits

Real Property Environmental Assessments Remedial Investigations

Air, Soil, and Groundwater Sampling Remedial Engineering and Construction Regulatory Compliance and Negotiation Litigation Support Services

May 1, 2000 Project EQ-36.1A

Ms. Karen Petryna, P.E. Equiva Services LLC P. O. Box 7869 Burbank, California 91510-7869

#### Re: Site Assessment Report

Former Shell Service Station 2301-2307 Lincoln Avenue, Alameda, California

#### Dear Ms. Petryna:

On behalf of Equiva Services LLC (Equiva), Toxichem Management Systems, Inc. (TOXICHEM) has prepared this report to document the findings of site assessment activities recently performed at the above referenced site (Figures 1 and 2). The purpose of the investigation was to assess the source of petroleum hydrocarbons that were detected in the soil and groundwater beneath the site in July 1999. The current investigation consisted of reviewing available site-related investigative documents, aerial photographs, Alameda County Assessor's Office (ACAO) records, Alameda County Health Care Services Agency (ACHCSA) files, City of Alameda Fire Department (AFD) files, and Sanborn Maps. Included in this letter is a discussion of the site description and background, findings, and conclusions and recommendations.

Vista Environmental Information, Inc. was contracted to provide a *Site Assessment Plus* (SAP) Report, which identifies potential sources of environmental impact in the vicinity of the site, and Sanborn Maps. Copies of these documents are presented as Attachment A. The SAP Report identified 36 properties with environmental concerns within a ¼-mile radius of the site, of which 24 properties are listed on a *Leaking Underground Storage Tank* (LUST) list. The SAP Report also identified 18 additional properties with environmental concerns that are located between a ¼ and ½-mile radius of the site, all of which are listed on a LUST list.

In accordance with Section 25297.15(a) of Chapter 6.7 of the State of California Health and Safety Code, Equiva has notified the current record owner of fee title, Allan and Beverly Sebanc, of this work.

### SITE DESCRIPTION AND BACKGROUND

The site is located at 2301-2307 Lincoln Avenue in a predominantly mixed commercial and residential area of Alameda, California.

Historical information indicates that three residential dwellings occupied the site as early as 1897. In 1926, the 2301 Lincoln Avenue property was developed as a gasoline station. It's believed that the remainder of the site was occupied by two residential dwellings until the 1980's. In 1970, Shell replaced the underground storage tanks (USTs). In 1982, the gasoline service station was closed and one 8,000-gallon capacity, two 2,000-gallon capacity, and one 1,000-gallon capacity USTs were removed. During the 1980's, the site was redeveloped as a retail center. The site is currently occupied by a retail center.

#### **Previous Investigations**

In July 1999, six soil borings (SB-1 through SB-6) were drilled to assess the potential subsurface environmental impacts from past gasoline service and automotive maintenance activities at the site. Soil samples were collected from each boring at 5 or 7.5 feet below ground surface (bgs). The soil samples were analyzed for total purgeable petroleum hydrocarbons (TPPH) by EPA Method 8015 (modified), and benzene, toluene, ethylbenzene, xylenes (BTEX compounds) and methyl-tertiary-butyl ether (MtBE) by EPA Method 8020. TPPH and ethylbenzene were detected in only one soil sample (Boring SB-3 at 7.5 feet bgs), at concentrations of 40 and 0.012 milligrams per kilogram (mg/kg), respectively. Benzene, toluene, xylenes, and MtBE were not detected in any soil sample. Grab groundwater samples were also collected from each boring, and were analyzed for TPPH, BTEX compounds, MtBE, and volatile organic compounds (VOCs) by EPA Method 8260. TPPH was detected in two groundwater samples, at 4,500 micrograms per liter (µg/L) in Boring SB-3 and 160 µg/L in Boring SB-6. Toluene, ethylbenzene, and xylenes were detected in groundwater only from Boring SB-3, at concentrations of 4.4, 2.7, and 4.0  $\mu$ g/L, respectively. Benzene and MtBE were not detected in any groundwater sample. The following VOCs were detected in Boring SB-3: n-butyl benzene at 10 µg/L, sec-butyl benzene at 14 µg/L, isopropyl benzene at 45 µg/L, n-propyl benzene at 60 μg/L, and vinyl acetate at 26 μg/L; and in Boring SB-6: n-butyl benzene at 160 μg/L. No other VOCs were detected in the groundwater samples.

#### FINDINGS

## Task 1 - Review Available Site-Related Investigative Documents

TOXICHEM obtained and reviewed the report titled *Limited Phase II Environmental Site Investigation* that was prepared by Basics Environmental on August 12, 1999. That report is summarized in the preceding section.

#### Task 2 – Review Available Aerial Photographs

TOXICHEM contracted with Pacific Aerial Surveys to review available historical aerial photographs of the site. A total of five photographs were reviewed from the years: 1950, 1959, 1969, 1981, and 1990. A summary of observations for each photograph follows.

May 1, 2000 Page 3

#### Photograph AV28-15-27, April 14, 1950

Four buildings can be observed at the site, but their use cannot be determined. The surrounding area is completely developed and is a mixture of residential and commercial properties. A gasoline station appears to be operating at the intersection of Park Street and Lincoln Avenue.

#### Photograph AV337-06-35, July 3, 1959

The site appears to be occupied by a gasoline station. A single building is located in the center of the site. What appears to be a canopy extends from the station building southwesterly towards Lincoln Avenue. What appears to be an UST complex can be seen in the southeastern corner of the site. Automobile parking can be observed along the northeasterly and southeasterly property boundaries. The surrounding area is completely developed and is a mixture of residential and commercial properties. New additional commercial properties can be observed to the south and southwest of the site. A gasoline station appears to be operating at the intersection of Park and Lincoln.

#### Photograph AV902-05-20, May 2, 1969

The observations are the generally the same as the previous photograph, except that a gasoline station appears to be occupying the northeastern corner of the intersection of Lincoln Avenue and Oak Street. Fewer residential homes and additional commercial properties can be observed in the area surrounding the site.

#### Photograph AV2040-05-19, June 22, 1981

The observations are the generally the same as the previous photograph.

#### Photograph AV3845-9-33, June 12, 1990

The site appears to be occupied by a strip mall. The surrounding area is completely developed and is a mixture of residential and commercial properties. A gasoline station appears to be occupying the northwestern corner of the intersection of Lincoln Avenue and Oak Street (the site is located on the northeastern corner of the same intersection).

#### Task 3 – Review ACAO Records

The Alameda County Assessor's Number for the site is 71-201-12-1. The following list summarizes ownership of the site.

Grantee (Buyer)	Grantor (Seller)	Date Recorded
Allan and Beverly Sebanc	C&H Development	12/22/98
C&H Development	Shell Oil Company	7/6/82
Shell Oil Company	General Electric Pension	4/26/79
General Electric Pension	Unknown	Unknown

#### Summary of Site Ownership

## Task 4 – Review ACHCSA Files

TOXICHEM reviewed AHCSA files for the following available sites, and a summary of the findings follows.

# Alameda City Unified School District, 2200 Central Avenue, Alameda

In December 1991, two heating oil USTs (one 4,000-gallon and one 2,000-gallon) were removed from the property. TEPH and BTEX compounds were not detected in the soil, however,  $0.6 \ \mu g/L$  of toluene,  $1.2 \ \mu g/L$  of ethylbenzene, and  $1.8 \ \mu g/L$  of xylenes were detected in groundwater from the UST excavation. In June 1992, three groundwater monitoring wells (MW-1 through MW-3) were installed at the property. The analysis of the soil samples collected during the installation of these wells did not identify any contaminants above detection limits. Groundwater samples were collected form these wells for four consecutive quarters, and no eontaminants were ever detected over detection limits except for in the first quarter at 170  $\mu g/L$ TEPH. On July 2, 1993, the ACHCSA recommended case closure, which was approved by the California Regional Water Quality Control Board on August 11, 1993. The groundwater monitoring wells were subsequently destroyed on August 13, 1993.

# Stahl Woodridge, 2428 Central Avenue, Alameda

The property is a former Chevron station. A *Risk Management Plan* recommending case closure was filed on April 19, 1999, and is currently pending review.

# Celia Harris Trust, 2521 Central Avenue, Alameda

On April 29, 1993, a 1,500-gallon heating oil UST was removed from the property, which is an apartment complex. Two soil samples and one groundwater sample were collected from the excavation, and analyzed for TEPH and BTEX compounds. No contaminants were detected in the soil samples, however, 1,300  $\mu$ g/L TEPH, 0.7  $\mu$ g/L toluene, 0.4  $\mu$ g/L ethylbenzene, and 2  $\mu$ g/L xylenes were detected in the groundwater sample. As it appeared that source removal was conducted at the property to the extent feasible the ACHCSA recommended case closure, which the RWQCB approved on June 26, 1993.

# Clement Avenue Project, 2241 Clement Avenue, Alameda

In a letter dated December 21, 1995, the ACHCSA denied a request for closure pending submittal of additional information, including determination of the groundwater gradient.

# Vacant Building, 1347 Park Street, Alameda

In November 1995, a 1,500-gallon heating oil UST was removed from the property. Elevated concentrations of diesel range hydrocarbons were detected. The excavation was subsequently over-excavated and resampled. Elevated diesel range hydrocarbons were detected following over-excavation. In September 1989, three borings (IB-1 through IB-3) were hand augered and elevated petroleum hydrocarbon concentrations were detected in the soil and groundwater samples collected. TEPH was detected in the soil and groundwater at maximum concentrations of 4,900 mg/kg and 730  $\mu$ g/L, respectively. On February 7, 2000, the ACHCSA approved a work plan for installation of additional groundwater monitoring wells. The report of that work was not in ACHCSA files.

#### Former BP, 1541 Park Street, Alameda

Four USTs (one 5,000-gallon gasoline, one 6,000-gallon gasoline, one 8,000-gallon gasoline, and one 250-gallon waste oil) were removed in September 1987, and soil and groundwater contamination was encountered. Three groundwater monitoring wells (MW-1 through MW-3) were installed in March 1988, and three additional wells (MW-4 through MW-6) were installed in March 1989. Site remediation consisting of extracting groundwater from Well RW-1 was performed between September 1992 and October 1994. The system was shutdown because MtBE concentrations saturated the system. Groundwater flow is easterly at an approximate gradient of 0.007. Groundwater monitoring and sampling continues at the property.

### Good Chevrolet, 1630 Park Street, Alameda

In January 2000, a *Revised Passive Remedial Action Work Plan*, which proposed the injection of oxygen release compounds in 25 to 30 locations, was approved by the ACHCSA. Implementation of this work plan was not documented in ACHCSA files.

#### Cavanaugh Motors, Inc., 1700 Park Street, Alameda

In December 1989 and August 1990, one gasoline UST and one waste oil UST were removed from the property. In April 1990 and January 1991, accessible impacted soils were excavated. Approximately 120 cubic yards of soil was removed. Six groundwater monitoring wells (MW-1 through MW-6) and four soil vapor extraction (SVE) wells (VW-1 through VW-4) were subsequently installed. Depth to groundwater ranged from 5.13 to 8.96 feet bgs. The groundwater flow direction was measured to be north-northwest at an average gradient of 0.008. A SVE system operated at the site between 1993 and 1994 until the extracted soil vapor concentrations declined and stabilized at approximately 40 parts per million. Approximately 1,000 pounds of hydrocarbons were removed by the SVE system during operation. On August 22, 1996, the ACHCSA closed the environmental case.

# Ztra Oil, 1701 Park Street, Alameda

In April 1994, four 10,000-gallon USTs (3 gasoline and 1 diesel) and one 110-gallon fuel oil UST were removed from the property. Soil and groundwater contamination was encountered. Soil types encountered at the property consist of sand, silt, and clay. Four groundwater monitoring wells (MW-1 through MW-4) have been installed to a depth ranging from 15 to 20 feet bgs. Depth to groundwater ranges from approximately 11 to 14 feet bgs, and groundwater flows from the northwest to east. Separate phase hydrocarbons (SPH) has been detected at the property. A utility survey identified a 10-inch diameter sanitary sewer along the centerline of Park Street at a depth of approximately 11 feet bgs and a 6-inch diameter sanitary sewer along the centerline of Buena Vista Avenue and Eagle Avenue.

In December 1999, a *Corrective Action Plan* (CAP), which proposed air sparging and vapor extraction with thermal treatment, was approved by the ACHCSA. Implementation of this CAP was not documented in the files.

#### Ron Goode Toyota, Inc., 1825 Park Street, Alameda

Two USTs (one 500-gallon gasoline and one 300-gallon waste oil) were removed from the property in December 1990. Four groundwater monitoring wells (MW-1 through MW-4) were installed at the property. Groundwater elevation ranged from 2.16 to 4.72 feet bgs, and the

groundwater flow direction was north-northwesterly to north-northeasterly. On January 10, 1977, ACHCSA closed the environmental case.

#### Alameda Collision Repair, 1911 Park Street, Alameda

Two USTs (one 750-gallon gasoline and one 200-gallon) were removed from the property in June 1988. Soil samples from the excavation did not detect TPPH. Water samples collected from the excavation detected 1,700  $\mu$ g/L TPPH and concentrations of BTEX compounds up to 4.3  $\mu$ g/L, 300  $\mu$ g/L, 500  $\mu$ g/L, and less than 100  $\mu$ g/L, respectively. One groundwater monitoring well (MW-1) was installed in December 1992. The depth to groundwater was measured at approximately 4 to 5 feet bgs over four quarters. On June 2, 1994, the ACHCSA closed the environmental case.

### Fowler Anderson Mortuary, 2244 Santa Clara Avenue, Alameda

Three USTs (one 50-gallon fuel oil, one 250-gallon fuel oil, and one 50-gallon hydraulic oil) were removed in January 1991. TPPH was detected beneath the hydraulic oil UST at a concentration of 1,400 mg/kg. Impacted soil was excavated to non-detectable concentrations. Three groundwater monitoring wells (MW-1 through MW-3) were installed in February 1991 and sampled for four quarters. Depth to groundwater was approximately 8 to 9 feet bgs and the groundwater flow direction was northeasterly. The analytical results for all four sampling events indicated there were no detectable concentrations of TPPH or BTEX compounds present. The environmental case is closed according to ACHCSA records, but no closure documents were on-file.

### City of Alameda, 2263 Santa Clara Avenue, Alameda

Three USTs (one 1,500-gallon gasoline, one 1,000-gallon gasoline, and one 280-gallon heating oil) were removed from the property in June 1994. Three groundwater monitoring wells (MW-1 through MW-3) were installed at the site. The historical range of groundwater elevation ranged from 8.15 to 10.33 feet bgs, and the direction of groundwater flow varied from northeast to southeast. On June 18, 1996, the ACHCSA closed the environmental case.

#### Former Shell, 2300 Santa Clara Avenue, Alameda

The property is a former Shell that ceased operation approximately 50 years ago and is currently a parking lot for a Longs Drug Store. In January 1998, seven soil borings (GP-A through GP-H) were drilled at the property. The site subsurface consisted of fine sands with silt of moderate to high estimated permeability to the total explored depth of 13 feet bgs. Groundwater was encountered at approximately 8.5 feet bgs. Selected soil samples were analyzed for lead, TPPH, TEPH, BTEX compounds, MtBE, and VOCs. Only TEPH at a maximum concentration of 6.9 mg/kg was detected. Lead and TEPH were detected in groundwater in most of the borings, at maximum concentrations of 400 and 1,500  $\mu$ g/L, respectively. Toluene and acetone were also detected at concentrations of 0.58 and 56  $\mu$ g/L, respectively. No MtBE, benzene, ethylbenzene, xylenes, or other VOCs were detected. Given the period of operation for the former Shell station and its proximity to the adjacent Bill Chun's Texaco station, Cambria Environmental Technology, Inc. concluded that the former Shell station is not the source of hydrocarbons detected in Well MW-8 at this property.

# Bill Chun's Texaco, 2301 Santa Clara Avenue, Alameda

In July 1992, three USTs (two 550-gallon and one 285-gallon) were removed from the property. During removal, it was discovered that the 285-gallon UST had leaked. Several assessments have been completed to determine the extent of petroleum hydrocarbon-impacted soil and groundwater at the property. Six groundwater monitoring wells were installed in 1993; three wells (MW-1 through MW-3) in January, and three wells (MW-4 through MW-6) in September. Four additional monitoring wells (MW-8 through MW-11) were installed in November 1995. As of the *Second Quarter 1998 Groundwater Monitoring Report* (ENSR, June 30, 1998), SPH had been detected at the property since November 1993. Groundwater at the property is generally encountered between 8 and 10 feet bgs and generally flows in a north to northeasterly direction with occasional flow variation to the northwest. The gradient is flat and generally ranges from 0.002 to 0.005. A *Remedial Action Plan* (GeoSolv, LLC, January 24, 2000) has been submitted to ACHCSA and is awaiting approval.

### Task 5 - Review AFD Files

TOXICHEM reviewed AFD files for the following available sites, and a summary of findings follows.

# Automotive Auto, 2425 Central Avenue, Alameda

This property was a former Union 76 gasoline station where three USTs were discovered in during an AFD inspection. The USTs were removed in October 1987. There was no analytical data in AFD files. No other records were in AFD files.

## Former Metal Fabricator, 2235 Clement Avenue, Alameda

One 550-gallon leaded gasoline was removed in May 1989 and soil contamination was found. ACHCSA requested additional investigation, however, no other records were in AFD files.

#### Union Oil, 2267 Lincoln Avenue, Alameda

Two 10,000-gallon gasoline and one 520-gallon waste oil UST were removed in July 1998. No other records were in AFD files.

# Alameda Auto Enhancers, 2327 Lincoln Avenue, Alameda

In January 1990, an AFD inspection discovered contaminated soil surrounding a steam cleaning and undercoating pad, oily water runoff from a hydraulic lift pad area, and other violations. In July 1990, ACHCSA requested removal of the contaminated soil. No other records were in AFD files.

# Alameda Police Department, 1555 Oak Street, Alameda

There were only AFD inspection records in the AFD files; no UST records were in the AFD files.

# Winner Ford, 1650 Park Street, Alameda

One 550-gallon gasoline UST was removed in November 1994 and one 250-gallon waste oil UST was removed in August 1985. Soil contamination was discovered. No other records were in AFD files.

# Former ARCO, 1725 Park Street, Alameda

In November 1985, four USTs (one 8,000-gallon, two 5,000-gallon, and one 10,000-gallon) were removed. In August 1992, ACHCSA requested additional investigation. In September 1992, a work plan for groundwater extraction, soil vapor extraction, and air sparging was submitted. No other records were in AFD files.

### John Henry Estate/Alameda Foreign Auto, 1726 Park Street, Alameda

This property is a former Texaco service station. All USTs were removed from the property in the 1970's and 1980's. In August 1991, soil contamination was encountered. In December 1995, the hydraulic lifts were removed and additional soil contamination was encountered. No other records were in AFD files.

#### Former Arco/Chevron, 1800 Park Street, Alameda

A Notice of Citation Hearing dated August 19, 1991 is on file for improperly abandoning an UST. In January 1992, two 7,500-gallon gasoline and one 1,000-gallon waste oil UST were removed. Soil and groundwater samples were collected, but no analytical data was in AFD files. No other records were in AFD files.

### Goodman Property, 2501 Santa Clara Avenue, Alameda

This property is a former Shell. In August 1992, one 6,000-gallon gasoline UST, two 5,000-gallon gasoline UST, and one 280-gallon waste oil UST were removed. Soil and groundwater contamination was encountered at the property. No other records were in AFD files.

TOXICHEM also obtained a copy of the City of Alameda Fire Department's master UST list for all properties located in the City of Alameda. According to this list, there are approximately 50 former or existing USTs within an approximate 500-foot radius of the site. This radius is defined as the street addresses: 2235 through 2408 Lincoln Avenue, 1512 through 1721 Park Street, 2235 through 2325 Pacific Avenue, 1510 through 1630 Park Street, and 2241 through 2300 Santa Clara Avenue.

#### Task 6 – Review Sanborn Maps

Sanborn maps for the years 1948, 1950, 1987, and 1997 were reviewed. A gasoline service station is identified at the site in the 1948 and 1950 maps. Gasoline service stations are identified at 2332 Lincoln Avenue and 2301 Santa Clara Avenue on the maps from 1948 through 1987.

## CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of this investigation, TOXICHEM concludes that:

- TPPH was detected at a maximum concentration of 40 mg/kg TPPH in only Boring SB-3, which is located at the extreme southwest corner of the site, adjacent to the Lincoln Avenue and Oak Street intersection. Benzene and MtBE were not detected in any soil samples collected at the site.
- TPPH was detected at concentrations of 4,500 and 160 µg/L in Borings SPB-3 and SB-6, respectively. Boring SB-6 is located in the southwest center of the site. Benzene and MtBE were not detected in any groundwater samples

collected at the site, though benzene isomers and vinyl acetate were detected in Boring SB-3 and/or SB-6.

- The distribution of soil and groundwater impact detected at the site is not representative of an on-site release based on the locations of the former USTs and dispensers.
- Multiple sources of petroleum hydrocarbon-impacted groundwater exist within a ¼-mile radius of the site, as documented by aerial photographs, ACHCSA and AFD files, and Sanborn Maps. At least six of these sources are located within 500 feet of the site, including the former Union 76 station and Alameda Fire Department sites that are located directly across the Oak Street and Lincoln Avenue intersection to the northwest and southwest, respectively.
- Utilities are known to exist in Lincoln Avenue and Oak Street, and at a depth below grade that is within the range of groundwater elevation. This suggests that existing utilities could serve as preferential flow pathways for petroleum hydrocarbon-impacted groundwater from off-site sources.
- The direction of groundwater flow recorded at surrounding properties ranges from northwesterly to southeasterly. The direction of groundwater flow supports the conclusion that the distribution of petroleum hydrocarbons detected at the site is not representative of an on-site release.
- Boring SB-3 was located upgradient of the location of the former USTs at the site, downgradient of the former Union 76 service station and Alameda Police Department LUST sites, and adjacent to existing utilities in Oak Street and Lincoln Avenue.

Based on these conclusions, TOXICHEM recommends no further environmental investigation at the site because the petroleum hydrocarbons detected during the July 1999 investigation result from an off-site source or sources. Furthermore, TOXICHEM recommends that an unauthorized release form not be completed or reported to the ACHCSA because the evidence does not support that an unauthorized release has occurred at the site.

If you have any questions regarding this report, please contact me at your convenience at (415) 681-8816.

Sincerely,

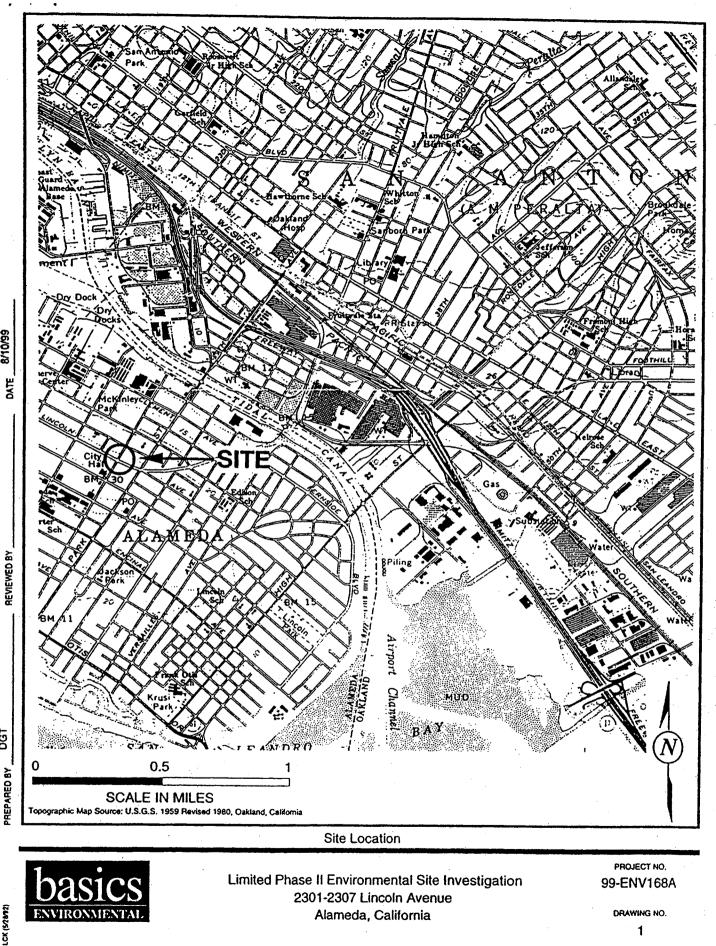
Toxichem Management Systems, Inc.

Keith Winemiller, P.E. Senior Engineer



Attachments: Figure 1 - Site Location Map Figure 2 - Site Map Attachment A - Vista Environmental Information, Inc. Documents

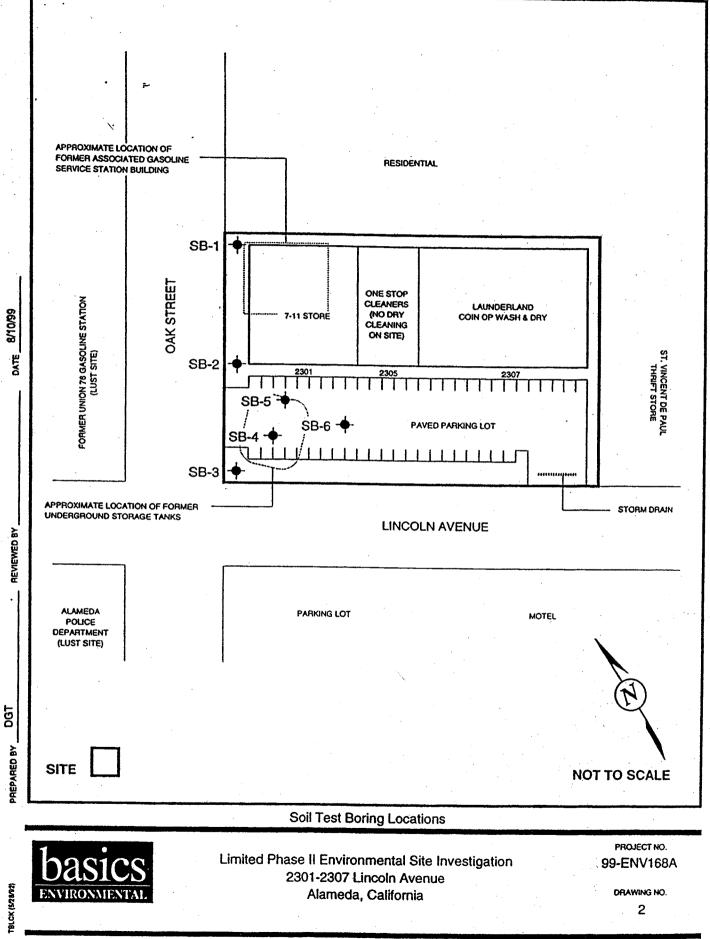
cc: Mr. Allan Seabanc, 10 Stacey Court, Hillsborough, CA 94010



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# ATTACHMENT A

# VISTA ENVIRONMENTAL INFORMATION, INC. DOCUMENTS

# SITE ASSESSMENT PLUS REPORT

INFORMATION Project Name/Ref #: 2301-2307 Linco Former Shell Service Station 2301 Lincoln Avenue Alameda, CA 94501 Cross Street: Oak Street Latitude/Longitude: (37.766923, 122.241122)

PROPERTY

INFORMATION

CUENT

Keith Winemiller Toxichem Management Systems, 1 1562 44th Avenue San Francisco, CA 94122

	Site Dist	ibution Summary	within 1/8. mile	1/8 <b>10</b> 1/4 mile	1/4 to 1/2 mile	1/2 /o 1 mile
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3) Databases	searched to	1/2 mile:				
		State equivalent CERCLIS list	0	0	0	
STATE US EPA	SCL CERCLIS / NFRAP	Sites currently or formerly under review by US EPA	0	0	0	
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	0	
STATE REG CO	LUST	Leaking Underground Storage Tanks	14	11	19	
STATE/	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	<u>                                      </u>
REG/CO	DEED DOTD	Sites with deed restrictions	0	0	0	
STATE	DEED RSTR	the second se	1	0	3	
REGIONAL	NORTH BAY	Sites on South Bay Toxic List	0	0	0	
<u>REGIONAL</u> STATE	SOUTH BAY CORTESE	State Index of properties with hazardous waste	7	2	6	
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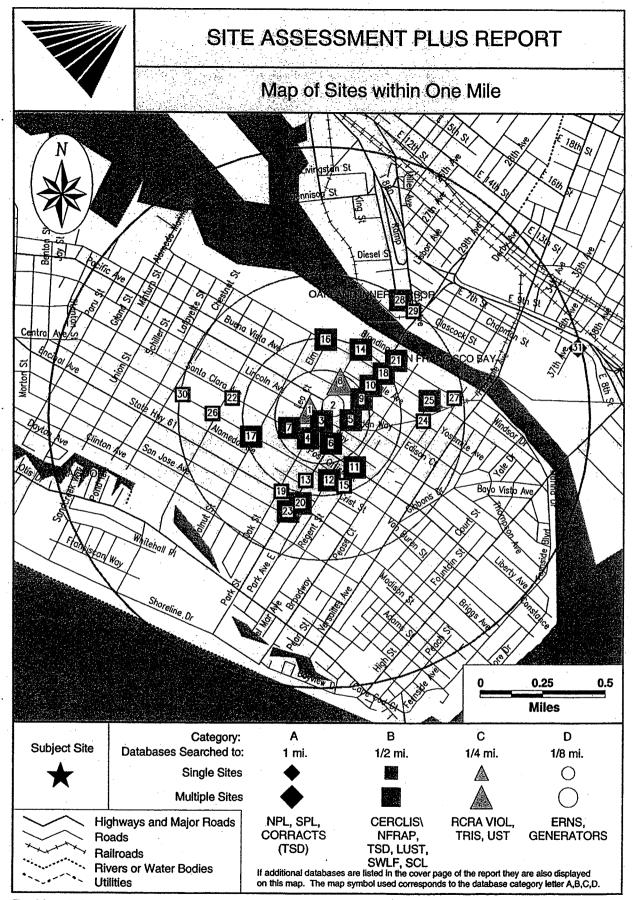
For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.Report ID: 839301903Date of Report: January 21, 2000Version 2.6.1Page #1

	· Site Dis	tribution Summary	within 178 mile	<b>1/8 to</b> 1/4 mile	1/4 to 1/2 mil <del>o</del>	1/2 to 1 mile
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S EPA	TRIS	Toxic Release Inventory database	.	.		
TATE	UST/AST	Registered underground or aboveground storage tanks	23	14		
) Databa	uses searched	to 1/8 mile:				
JS EPA	ERNS	Emergency Response Notification	2			
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	8	-		
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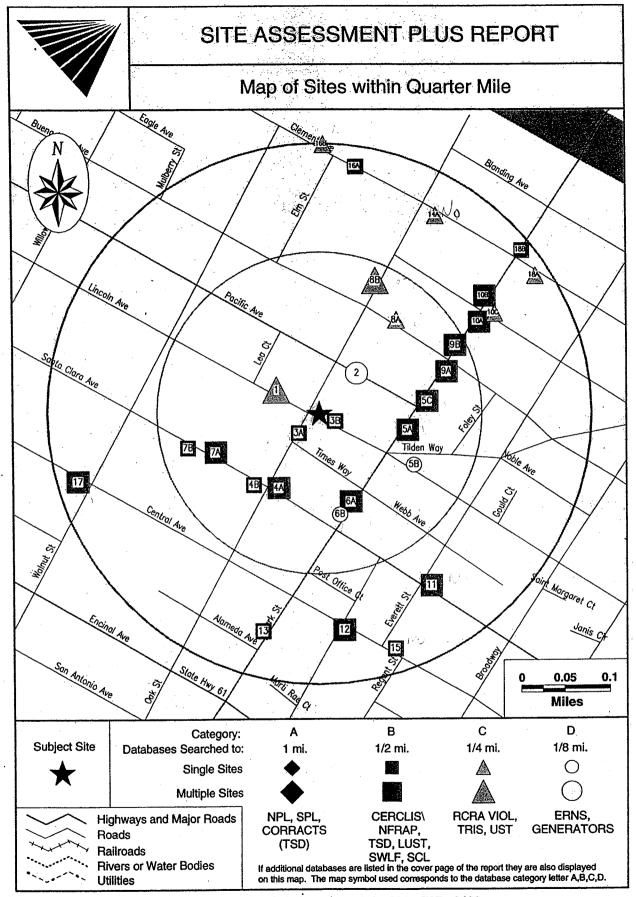


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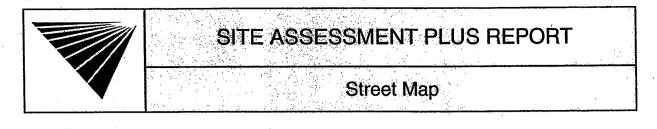


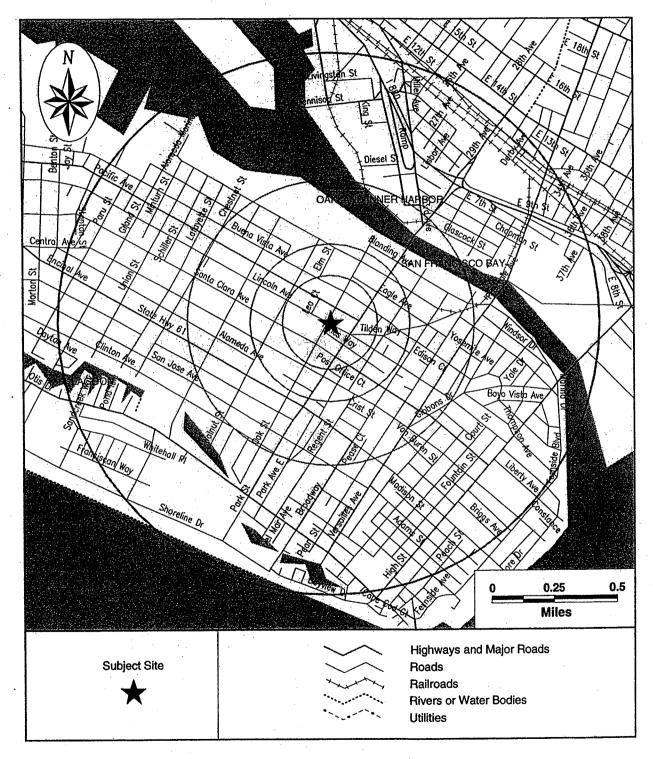
For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403 Report ID: 839301903 Date of Report: January 21, 2000



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# SITE ASSESSMENT PLUS REPORT

# SITE INVENTORY

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X = search criteria; • = tag-along (beyond search criteria).For more Information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.Report ID: 839301903Version 2.6.1Date of Report: January 21, 2000Page #6

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	CELIA HARRIS TRUST	4222471																			
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	ALAMEDA, CA 94501	S													-			ŀ			
	CLEMENT AVENUE PROJECT	1145638																			
16A	2235 CLEMENT AVE	0.23 MI N	1				, i		X										X		
	ALAMEDA, CA 94501																				
	RELIANCE SHEET STRIP COMPANY	1228566						Ċ													
16B	2235 CLEMENT	0.25 MI N																	X		
	ALAMEDA, CA 94501																				
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	HISTORIC ALAMEDA HIGH SCHOOL	8574503 0.23 Mi																			
17	2200 CENTRAL AVE	W							1	1									X		
ļ	ALAMEDA, CA 94501	3781271	<u> </u>	ļ						_			<u> </u>		<u> </u>	<b> </b>	—				
1	HISTORIC ALAMEDA HIGH SCHOOL	0.23 M				ŀ						l									
17	2200 CENTRAL	W		ŀ			I.		Ι.					ŀ					X		
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18A	RON GOODE TOYOTA	4022237 0.23 M																	x		
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ID				К			<b>CERCUIS/N</b>				Ľ	<b>NORTH BAN</b>	SOUTH BAN	ш	TOXIC PITS	<b>B</b>	RCRA VIOI				
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		VISTA IC		CORRA			2	6	5	SWLF	93	35	5	R	X	15	2	S		ERNS	GNRIR
		DISTANCE DIRECTION		ŏ	ds	S	Ö	<u>as</u>	LUST	5	ä	M	S	CORTESE	12	N	2	TRIS	5		Ο
	PARK ST LANDING	4222380	5		Τ	Γ	Τ	Γ	Γ	Τ	ŀ			Γ							
14	2301 BLANDING	0.29 M NE					1.	<b>I</b> .	X					X			1				
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16	2229 CLEMENT AVE	0.25 M N				ŀ	ŀ		X	۱.								1			
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	ALAMEDA LOCK GLASS	8576918					1	1		1.	1		1				1	1			
19	2301 ENCINAL AVE	0.27 М SVI	1		ľ	1	ŀ	· .	X		1	·		1		1	1	1	•		
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	ALAMEDA FIRE DEPARTMENT	4222555																			
20	2401 ENCINAL AVE	0.28 Ml S							х	÷									•		
	ALAMEDA, CA 94501										<b></b>				ļ	<u> </u>					$\square$
	ALAMEDA CELLARS	1584361 0.29 Mi													•						
20	2425 ENCINAL	5	1						X					X				·			
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21	Allied Engineering and prod Co 2421 Blanding ave	0.30 MI							x			x									
21	ALAMEDA, CA 94501	NE	1						<b>^</b>	1		<b>^</b>			· ·	1					
	ALAMEDA ELECTRIC	3781216		-		<u> </u>				┢		$\vdash$			-						$\square$
21	2420 BLANDING	0.31 M							x			1					1.		•		ľ
	ALAMEDA, CA 94501	NE																1			
	DOLLRES STAUDENRAUS	6669292		1							1										
21	2424 BLANDING AVE	0.31 Mi NE						1	X							1					
1	ALAMEDA, CA 94501				<u> </u>		ļ	ļ	<u> </u>		<u> </u>				L	<u> </u>	<u> </u>				
	GHIDELLA RESIDENCE	11499306 0.30 M			1																
22	2110 SANTA CLARA AVE	0.00 M						1	X												
ļ	ALAMEDA, CA 94501	1587496	<u> </u>						<u> </u>												
	ARCO	0.33 M							x												
23	1260 PARK ST ALAMEDA, CA 94501	SU	1						^		Ľ			ŀ					-		
	ARCO	7429314	1-	1		1	┼──	1	†		1-						<u> </u>	<u> </u>	┢──		$\square$
23	1260 PARK	0.33 M						Ľ	·					x							
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	ALAMEDA UNIFIED SCHOOL DISTRIC	1254190	5	1		Γ										1					
24	2615 EAGLE AVE	0.34 M	4						X									1			
	ALAMEDA, CA 94501		ļ	<b> </b>	<u> </u>	ļ	<b> </b>	<b>_</b>	<u> </u>	<b> </b>		<b> </b>	ļ		ļ	<u> </u>	<b> </b>	ļ	<u> </u>	<b> </b>	<b>  </b>
	CAMISA BROS ROOFING	1 1498549 0.37 M	,									ŀ			1						
25	1901 BROADWAY				1				X						1		1				
	ALAMEDA, CA 94501	5520262				┨──		+	_	+	┨	┟┈	╂—	┢	<b> </b>		┢	┢			$\left  - \right $
05	CAMISA BROS ROOFING	0.37 M	1						x												
25	1901 BROADWAY ALAMEDA, CA 94501	. 1	5					ľ	<b>^</b>											ľ	
	PACIFIC BELL (Q3-004)	315062	2	┼╌	+		<u>†</u>	1	+	+-				1		+	1-	1			
26	2100 CENTRAL	0.37 M							x	•				X		Í.	Ľ		•		. •
	ALAMEDA, CA 94501	И	1																		
	ALPHA BETA	535202		1	1	Τ	Γ	1	Γ	T	Τ	Γ	-	ŀ	Γ				<u> </u>		
27	2691 BLANDING	0.46 M				1	1.		X			ŀ	1	X	1.1	Î			1		·
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	RIGHT AWAY REDY MIX, INC.	3078920 0.48 M																			
28	401 KENNEDY	0.46 M Ni							X						1		1		•		
	OAKLAND, CA 94606	1505/0		4	_		-	–	-	-		+			+-				╂—	-	+-
	RHODES JAMIESON BATCH PLA	158569. 0.50 M						·					1	1.							
28	333 KENNEDY	N	1	ŀ					X			1		X			ł			١.	
	OAKLAND, CA 94606		1_	1	1	J	1	1	1	1	1	1	Ļ	1	1	1	1	<u> </u>	1	L	<b></b>



MAP	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) Vis DISTA DISTA DIREC	TA ID NIGE TION	NPL	CORRACES >>	SPL	Sel.	<b>GERCUS/NERAP</b>	80	LUST	SWIF	<u> </u>	NORTH BAY	SouthBAN	CORTESE	TOXIC PITS	WANTER WELLS	RCRA VIOL: NO	IRS T	UST/AST	ERNS THE LEVEL OF	
29	CHEVRON 386	7311 49 MI NE			•				x			x			·						
30	GOI DEN WEST ENVIRONMENTAL SERV <sup>22</sup>	2470 49 MI W							x												
				A		ЦŞ.			14		B							C			<b>9</b>
MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 1 mile) Vis Distributed	ITA ID ANCE TION	NPL	RACIS	SPL: IL	Set	<b>GERCUS/NFRAP</b>		LUST	SWLF	DEED REAR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	WATER WELLS	RCRAVIOL: **	TRIS	USI//ASI (12.5	ERNS	GNRIR
31	AMERICAN NATIONAL CAN CO. 40	81033 99 Mi E		x			•		•								•				•



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	VISTA ID	ЧP		IG,	5	핈	8	IS.	SWLF	DEED RSIR	NORTH BAY	SOUTHBAV		۲	<b>WATER WELLS</b>	RCRA MOI	TRIS	UST//AST	ERNS	GNRIR
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OWNER/OPERATOR	00//////																	x		
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ALAMEDA, CA 94501	8598743						1		├						<del> </del>					
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WEBSTER NORTH END						1		1	1	1			l		۰ ۱					
ALAMEDA, CA 94501	12713938		<u> </u>	<u> </u>			1	1-	<u> </u>	$\vdash$	<u> </u>		<u> </u>		-					
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7100 BOUNTAIN BLVD							1	1	1	1.				1			1		1	
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		ЫN	<b>Q</b>	H	Ø	먨	S.	S	N	E.	9	Q	Q	6	8	E,	32	UST/AST	ERNS	GNRIR
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SF-OAK BAY BRIDGE CALTRANS	8573092			┢				┢──												
BAY BRIDGE TOLL PLAZA										l ·								x		ĺ
OAKLAND, CA 94623									1											
HARBOR TRANSPORTATION CENTER	12361902		1																	<b>—</b>
250 EXECUTIVE WAY							1	1							ŀ			x		
OAKLAND, CA 94625									1.											
ALAMEDA (DISTRICT 7)	6612672		<u>†</u>			<u> </u>	<b>†</b>	┢──			-					$\vdash$				<b> </b>
ALAMEDA, CA				l	ŀ.		1											X		
OAKLAND FUEL FACILITIES CORP.	4924439	-	1-	1	1-	<u> </u>	1	<b>†</b>	t	<u> </u>		<u> </u>			<b> </b>	1				<u> </u>
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GENERAL ELECTRIC COMPANY	4826802					†	1		<u>†</u>							<b>†</b>				<b>—</b>
100 WOODLAWN AVENUE									ŀ	x									·	
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EAST BAY SERVICE ROAD TENT	12666907		$\square$	<b> </b>		1														
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HANGER #6				1	1			1			X					ł				
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ROUND TOP RADIO (CAO480)	6613560	1	1	[ * .	1	1	1	1												
5.3 MILES NE OAKLAND CIVIC CEN				1	1	1						1						X		
OAKLAND, CA	3593659	<b> </b>			$\vdash$	_		┨		┣-	ŀ									
S SPILL-SCHNITZER STEEL PRODUCT CO.	2273037			1	1	1.	1													
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UNMAPPED SITES	Vista id	NPL S VIEW	CORROS	SPL	SCL SCL	<b>GERGUS/NERAP</b>	So	LUST	SWUE	DEED RSIR .	NORTH BAY	SOUTH BAY	CORTESE	TOXICPIS	WATER WELLS	RCR/A VIOL	IRIS	UST/AST	ERNS	GNRR
UPTOWN THEATER DISTRICT UNKNOWN	12714497							x									-			
OAKLAND, CA OH OLSEN 2220 4TH ST BERKELEY, CA	7291419							x												
OAKLAND INTERNATIONAL AIRPORT OAKLAND INTERNATIONAL AIRPORT OAKLAND, CA	7291755	j .						x												
UNION POINT WATERFRONT PARK 2301 EMBARCADERO ST OAKLAND, CA	12714405	5						x												
PORT OF OAKLAND LANA KAI MARINA OAKLAND, CA	1594330	7									x									
PORT OF OAKLAND - KING INTERESTS SI OAKLAND AIRPORT OAKLAND, CA	159520	P									x									



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# SITE ASSESSMENT PLUS REPORT

# DETAILS

#### PROPERTY AND THE ADJACENT AREA (within: /8 mile) Map ID 8581869 VISTA ID#: LINCOLN-OAKS UNION #5394 VISTA Distance/Direction: 0.00 MI / NA Address\*: P2257 UNEOIN AVE Point Plotted as: ALAMEDALCA 22501 N/A STATE UST - State Underground Storage Tank / SRC# 5275 EPA/Agency ID: SAME AS ABOVE Agency Address: 3 Underground Tanks: NOT REPORTED Abovearound Tanks: NOT REPORTED Tanks Removed: CURRENT 100111 Tank Status: Tank ID: NOT AVAILABLE NOT AVAILABLE Leak Monitoring: Tank Contents: NOT AVAILABLE NOT REPORTED Tank Pipina: Tank Age: NOT AVAILABLE NOT REPORTED (NOT AVAILABLE) Tank Material: Tank Size (Units): Mop ID 1255000 Vista id#: **UNION OIL SS #5394** Vista 0.00 MI / NA Distance/Direction Address\*: **9267 UNCOIN** Plotted as: Point ALAMEDA GA 92501 N/A EPA/Agency ID: STATE UST - State Underground Storage Tank / SRC# 1612 SAME AS ABOVE **Agency Address:** 3 **Underground Tanks:** NOT REPORTED Aboveground Tanks: NOT REPORTED Tanks Removed: ACTIVE/IN SERVICE 14 Tank Status: Tank ID: Agency Code (\*) Leak Monitoring: OIL(NOT SPECIFIED) Tank Contents: UNKNOWN NOT REPORTED Tank Piping: Tank Age: BARE STEEL 280 (GALLONS) Tank Material: Tank Size (Units): ACTIVE/IN SERVICE 14 Tank Status: Tank ID: Agency Code (`) UNLEADED GAS Leak Monitoring: Tank Contents: UNKNOWN NOT REPORTED Tank Piping: Tank Aae: BARE STEEL 10000 (GALLONS) Tank Material: Tank Size (Units): ACTIVE/IN SERVICE 14 Tank Status: Tank ID: Agency Code (\*) UNLEADED GAS Leak Monitoring: Tank Contents: UNKNOWN NOT REPORTED Tank Pipina: Tank Age: BARE STEEL Tank Material: 10000 (GALLONS) Tank Size (Units):



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #16

	PROPERTY AND TH	EADJACEN	TAREA (within	178 mil	Ð CONI.		
	<b>IRGE INC CIFIC AVE A, CA 94501</b>			VISTA II Distante Plottece	e/Direction	362149 0.00 MI / NA Point	Mc
CRA-SmGen - RCRA-	Small Generator / S			EPA ID:		CAD02877930	)4
Agency Address: Generator Class:		SAME AS AB Generates 1	OVE 100 kg./month but k	ess than 1	000 ka./month c	of non-acutely haza	irdous
	· · ·	waste					]
Address:: 2329 PA	CHEVROLET CIFIC AVE A. CA 94501			VISTA I Distanc Plottec	ce/Direction	4866779 0.01 MI / NE Polnt	
CRA-SmGen - RCRA-		SRC# 6379		EPA ID	•	CA000003351	4
Agency Address: Generator Class:		2329 PACIFI ALAMEDA, Generates			1000 kg./month c	of non-acutely hazo	nrdous
Mistaniatio In Antico		waste		MSTAL	D#:	929696	
Address*: 1555 OA					ce/Direction	0.00 MI / NA Point	3
TATE UST - State Unde	rground Storage Ta			EPA/A	gency ID:	N/A	
Agency Address:		SAME AS AL	BOVE				
Underground Tanks: Aboveground Tanks:		I NOT REPOR	TED				
Tanks Removed:		NOT REPOR	PTED				
Tank ID:	0010		Tank Status:		ACTIVE/IN SER	VICE	
Tank Contents:	DIESEL		Leak Monito	ing:	Agency Code	$\sim$	
Tank Age:	NOT REPORTED	1	Tank Piping:	. •	UNKNOWN		
Tank Size (Units):	6000 (GALLONS)		Tank Materic	ıl:	OTHER DESCR	PTIONS	
CORTESE / SRC# 4840				Agenc	cy ID:	01-0051	
Agency Address:		1555 OAK ALAMEDA,		Π			
List Name:	•	LEAKING TA	a <i>NK</i>				
Site ID:		01-0051				T	·
STATE UST - State Unde	erground Storage To				gency ID:	N/A	
Agency Address:		ALAMEDA 1555 OAK S ALAMEDA	1				
Underground Tanks:	•	ı NOT REPOI					
Aboveground Tanks		NOT REPOR					
Tanks Removed:	001//				CURRENT		
Tank ID:	001U NOT AVAILABLE		Tank Status:		NOT AVAILAB	IF	
Tank Contents:	NOT AVAILABLE		Leak Monito	nng:	NOT AVAILAB		
Tank Age:	NOT REPORTED	INILARIES	Tank Piping:	-1.	NOT AVAILAD		
Tank Size (Units):	NOT REPORTED (NOT A)	(NILADLE)	Tank Materia	11:		L de	



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #17

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# PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

gency Address:	Dund Storage Tank / SRC# 6428 EPA/Agency ID: N/A
yoney Addiess.	1555 OAK ST
· · ·	ALAMEDA, CA
acility ID:	01-0051
eak Report Date:	7/2/86
ite Assessment Began:	6/4/86
eak Cause:	STRUCTURE FAILURE
eak Source:	TANK
substance:	DIESEL
Remediation Event:	NO ACTION TAKEN
Remediation Event:	STOP DATE: 7/2/86HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE:
Remediation Status:	PREUMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
ead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 8/24/94
ATE LUST - State Leaking Undergr	ound Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	ALAMEDA POLICE DEPARTMENT
······	1555 OAK ST ALAMEDA, CA 94501
	ALAMEDA, CA 94301 01-0051
Facility ID:	07/02/86
Leak Report Date:	06/04/86
Site Assessment Began:	DIESEL
Substance:	
Remediation Event:	NO ACTION TAKEN
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSIREET:REVIEW DATE:

VISTA ALAMEDA AUTO Address*: 2327 LINCOLN A		VISTA ID#: Distance/Direction:	Conductions and the second of the second	Map ID
ALAMEDA, CA 92	4501	Plotted as: EPA/Agency ID:	Point N/A	
Agency Address:	ALAMEDA AUTO ENHANCERS 2327 LINCOLN AVE ALAMEDA, CA	• • • • • • • • • • • • • • • • • • •		
Facility ID:	0150234			
Remediation Status:	INACTIVE			
Description / Comment:	FAC COUNTY: ALAMEDA			]



Description / Comment:

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	PROPERTY AND TH	EADJACE	NT AREA (WITHIN	1/8 mile	) CONT.			
						1228137/9.1		Mapl
	UNISTEXACCISER	VICE .		VISTAIL		0.02 MI / SW.		
vooressiii. 2301 SA	INTACE ARA AVE			Ploffed		Point		4
	DA, CA 24501						<u>68999</u>	
ATE UST - State Unde	erground Storage Ta	nk / SRC# 8		EPA/Ag	ency ID:	N/A		
gency Address:		SAME AS A						
Inderground Tanks:		NOT REPOI						
Aboveground Tanks	:	NOT REPO						
anks Removed:		NOT REPO						
ank ID:	10010		Tank Status:		REMOVED	_	· ·	
ank Contents:	NOTAVAILABLE		Leak Monitor	ing:	NOT AVAILABL			
lank Age:	NOT REPORTED		Tank Piping:	•	NOT AVAILABL			- 
ank Size (Units):	NOT REPORTED (NOT AV	AILABLE)	Tank Materia	l:	NOT AVAILABL	E		•
				NUCTAN	<b></b>	3781480		Map
	UN'S SERVICE				D#: Direction	0.04 MI / SW		
Address 2301 S/	ANTA CLARA			Plottec		Point		4
	DA, CA 94501 🖂							
ATE UST - State Und	erground Storage To	ink / SRC#	1612	EPA/A	gency ID:	N/A		
Agency Address:		SAME AS A	ABOVE					
Underground Tanks	·	3						
Aboveground Tanks	5:	NOT REPC	DRTED					
Tanks Removed:		NOT REPC	DRTED				·	
Tank ID:	10010		Tank Status:	· · ·	CLOSED REM			
Tank Contents:	LEADED GAS		Leak Monito	ring:	Agency Code	$\circ \mathcal{O}$		1
Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN			1
Tank Size (Units):	285 (GALLONS)	• •	Tank Materia	al:	SEC. CONTAI	IMENT		-
Tank ID:	T001U		Tank Status:		OTHER			
Tank Contents:	LEADED GAS		Leak Monito	ring:	Agency Code	)).		
Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN			
Tank Size (Units):	550 (GALLONS)		Tank Materia	<b>:</b>	SEC. CONTAII	·		
Tank ID:	τοοιυ		Tank Status:		CLOSED REM			
Tank Contents:	UNLEADED GAS		Leak Monito	ring:	Agency Code	<i>∍(`)</i>		
Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN			
Tank Size (Units):	550 (GALLONS)		Tank Materia	al:	SEC. CONTAI			1
CORTESE / SRC# 484	0	<u> </u>		Agend	cy ID:	01-1063		- ·
Agency Address:	<u> </u>		V SERVICE STATION					
Cantol Magican			ITA CLARA A, CA 94501					1
		LEAKING			•			
List Name:		01-1063						
Site ID:	aling lindorground		NK / SPC# AA28	FPA/A	gency ID:	N/A		1
	aking Underground		N SERVICE STATION	141747			···	1
Agency Address:		2301 SAN	ITA CLARA AVE					
		ALAMED. 01-1063	A. CA					
Facility ID:								1
Leak Report Date:		7/31/92						4

1/4/93

Leak Report Date:

Site Assessment Plan Submitted:

\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Date of Report: January 21, 2000 Page #19 Report ID: 839301903 Version 2.6.1

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Leak Cause:	STRUCTURE FAILURE
Leak Source:	TANK
Substance:	GASOLINE
Remediation Event:	NO ACTION TAKEN
Remediation Event:	STOP DATE: 7/31/92HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE:
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 8/3/98
STATE LUST - State Leaking Undergroun	d Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	BILL CHUN SERVICE STATION 2301 SANTA CLARA AVE ALAMEDA, CA 94501
Facility ID:	01-1063
Leak Report Date:	07/31/92
Site Assessment Plan Submitted:	01/04/93
Substance:	GASOLINE
Remediation Event:	NO ACTION TAKEN
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCALAGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

VISTA Address*: 2300 SANTA CLAR ALAMEDA, CA 94	501		12640155 0.05 Mi / SW Point	
TATE LUST - State Leaking Underg	ground Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	SHELL 2300 SANTA CLARA AVE ALAMEDA, CA 01-2387			
Facility ID:	· · · · · · · · · · · · · · · · · · ·			
Leak Report Date:	11/29/95			
Leak Cause:	UNKNOWN	, *		
Leak Source:	UNKNOWN			
Substance:	GASOLINE			
Remediation Event:	STOP DATE:HOW STOPPED:EN	FORCEMENT:ENFORCEMEN	T DATE:	
Remediation Status:	PRELIMINARY SITE ASSESSMENT	T UNDERWAY		
Media Affected:	OTHER GROUND WATER			
Lead Agency:	LOCAL AGENCY	· ·		
Region / District:	SAN FRANCISCO BAY RE	•		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 1/21/98		
TATE LUST - State Leaking Under	ground Storage Tank / SRC# 6545	EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
Facility ID:	01-2387	•		
Leak Report Date:	11/29/95	······································		

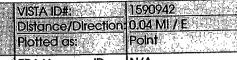


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# PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Substance:	GASOLINE
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

GOODCHEVROLE VISTA 1630 PARK Address\*: ALAMEDA, CA 94501





STATE UST - State Unde	orground Storage To	ink / SRC# 1612	EPA/Agency ID:	N/A
Agency Address:		SAME AS ABOVE		
Underground Tanks:	•	5		
Aboveground Tanks		NOT REPORTED		
Tanks Removed:	•	NOT REPORTED	·	
Tank ID:	00035300	Tank Status:	ACTIVE/IN SE	
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monito		e(^)
Tank Age:	NOT REPORTED	Tank PipIng:		
Tank Size (Units):	550 (GALLONS)	Tank Materix		
Tank ID:	00035300	Tank Status:	ACTIVE/IN SE	
Tank Contents:	UNLEADED GAS	Leak Monita	ring: Agency Cod	le (´)
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL	
Tank Size (Units):	10000 (GALLONS)	Tank Materi	al: BARE STEEL	
Tank ID:	00035300	Tank Status:	ACTIVE/IN SE	RVICE
Tank Contents:	UNLEADED GAS	Leak Monito	oring: Agency Coc	le (")
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL	
Tank Size (Units):	4000 (GALLONS)	Tank Materi	al: BARE STEEL	
Tank ID:	00035300	Tank Status:	ACTIVE/IN SE	ERVICE
Tank Contents:	LEADED GAS	Leak Monito	oring: Agency Cod	de (* )
	NOT REPORTED	Tank Piping	-	RIPTIONS
Tank Age:	4000 (GALLONS)	Tank Materi		
Tank Size (Units):	00035300	Tank Status:	1 OTH /5 /11/ 0	SRVICE
Tank ID:	OIL(NOT SPECIFIED)	Leak Monite		de(´)
Tank Contents:	NOT REPORTED	Tank Piping		
Tank Age:	300 (GALLONS)	Tank Mater	•	
Tank Size (Units):	JUU (GALLUNS)			

			7429364	Ma
MSTA COOD CHEVRO		VISTA ID#:	Company of April 100 (100 (100 and 100 and 100 and 100 and 100 and 100 and	
Address*: 1630 PARK	The start and the set	Distance/Direction	0.04 MI / E	
		Potted as:	Point	
THE ALAMEDA, CA9	4501		01-0711	
CORTESE / SRC# 4840	والمحاصية فاري وحديد بالمحاصية والمحاصين المحاصي والمحاصية والمحاصية والمحاصية والمحاصية والمحاصية والمحاصية وا	Agency ID:	01-0711	
Agency Address:	SAME AS ABOVE			
	LEAKING TANK	. • · · · ·		
List Name:	01-0711	· · · · ·		
Site ID:				



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PROPERTY AND		

				MapID
MISTA GOOD CHEVR	OLE		174748	
Address*: - 1630 PARK ST		Distance/Direction	Point	<b>5</b> A
ALAMEDA, CA	94501			
STATE UST - State Underground		EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
Underground Tanks:	3	• • • • • • • • • • • •		
Aboveground Tanks:	NOT REPORTED			
Tanks Removed:	NOT REPORTED			
Tank ID: 000001	Tank Status	CURRENT	· •	
Tank Contents: NOTAV	AILABLE Leak Monit	oring: NOT AVAILAL	BLE	
Tank Age: NOT REF	PORTED Tank Piping	I: NOTAVAILAL	BLE	
Tank Size (Units): NOT REF	PORTED (NOT AVAILABLE) Tank Mate	rial: NOT AVAILAL	BLE	
STATE LUST - State Leaking Un	derground Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	GOOD CHEVROLET 1630 PARK ST			
	ALAMEDA, CA		•	
Facility ID:	01-0711			
Leak Report Date:	1/15/87		······································	
Site Assessment Began:	4/29/87	- <u> </u>		
Leak Cause:	STRUCTURE FAILURE		······································	
Leak Source:	TANK			
Substance:	GASOLINE			
Remediation Event:	EXCAVATE AND DISPOSE	· · · · · · · · · · · · · · · · · · ·		
Remediation Event:	STOP DATE: 5/21/87HOW ST WARNINGENFORCEMENT D		CEMENT:	
Remediation Status:	PRELIMINARY SITE ASSESSME	INT UNDERWAY		
Media Affected:	OTHER GROUND WATER		,	]
Lead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET	REVIEW DATE: 7/9/98		]
STATE LUST - State Leaking Ur	nderground Storage Tank / SRC# 654	5 EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE	· · · · · · · · · · · · · · · · · · ·	· · ·	
Facility ID:	01-0711			
Leak Report Date:	01/15/87			
Site Assessment Began:	04/29/87	• .		
Substance:	GASOLINE			· ·
Remediation Event:	EXCAVATE AND DISPOSE			
Remediation Status:	PRELIMINARY SITE ASSESSME	ENT UNDERWAY		
Media Affected:	OTHER GROUND WATER			]
Lead Agency:	LOCAL AGENCY			]
Region / District:	SAN FRANCISCO BAY RE	•••		
Description / Comment:	COUNTY: ALAMEDAXSTREET	REVIEW DATE:		1
Poscipiion / Commoni.				



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<b>/ISIIA</b>	HANGERS :				VISTA		307503	Map
Address*: 2425	LINCOLN AVE	2				ce/Direction		5
ALAN	<b>1EDA, CA 9450</b>				Potte	d as:	Point	
RNS - Emergency	<b>Response</b> Notific	ation Sys	stem / SRC	# 6181	Agen	cy ID:	487173	
Agency Address:			OIL CHANGER 2425 LINCOLN ALAMEDA, CA	IAVE 1				
Spill Date Time:			JUNE 10, 1999	05:30:00 PM				
Case Number:			487173					
Spill Location:			2425 LINCOLN					
Discharger Name	•		OIL CHANGER					
Discharger Org:	*		OIL CHANGER					
Material Spilled:				TH WATER, 0.00 (	UNK)		• •	
Waterway Affecte			STORM DRAIN			· .		
Fields Not Reporte	əd:		Source Agenc	cy, Discharger Pi		<u></u>		1
Air Release:	Land Release:	Water I	Release:	Ground Rel	ease:	Facility	Other Release:	
						Release:		-
NÓ	NO	NO.		NO	<u></u>	NO	NO	
Address*: 1650	PARK ST						: 0.06 MI / E	
ALAN	MEDA, CA-9450		/ SRC# 527		Ploffe		Point N/A	50
	VEDA, CA 9450 nderground Stora	ge Tank	/ SRC# 527 SAME AS ABO		Ploffe	d as:	Point	5(
TATE UST - State U	MEDA, CA 9450 nderground Stora	ge Tank		DVE	Ploffe	d as:	Point	
TATE UST - State U Agency Address:	MEDA, CA 9450 nderground Stora ks:	ge Tank	SAME AS ABO	DVE D	Ploffe	d as:	Point	
TATE UST - State U Agency Address: Underground Tan	MEDA, CA 9450 nderground Stora ks: nks:	gə Tank	SAME AS ABO NOT REPORTED	DVE D D	Ploffe	d as:	Point	-
TATE UST - State U Agency Address: Underground Tan Aboveground Tar	MEDA, CA 9450 nderground Stora ks:	gə Tank	SAME AS ABO NOT REPORTED NOT REPORTED	DVE D D	Ploffe EPA/A	d as: Agency ID: REMOVED	Point	
TATE UST - State U Agency Address: Underground Tan Aboveground Tar Tanks Removed:	MEDA, CA 9450 nderground Stora ks: nks:	gə Tank	SAME AS ABO NOT REPORTED NOT REPORTED NOT REPORTED	DVE D D D	Ploffe EPA/A	d as:	Point	-
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID:	MEDA, CA 9450 nderground Stora ks: nks: 7001U NOT AVAILABLE NOT REPORTED	ge Tank	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE	ove D D D Tank Status:	Ploffe EPA/A	d as: Agency ID: REMOVED	Point N/A	-
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents:	MEDA, CA 9450 nderground Stora ks: nks: 1001U NOT AVAILABLE	ge Tank	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE	DVE D D Tank Status: Leak Monita	Plotte EPA/A	d as: Agency ID: REMOVED NOT AVAILABL	Point N/A E E	-
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age:	MEDA, CA 9450 nderground Stora ks: nks: 1001U NOT AVAILABLE NOT REPORTED NOT REPORTED (1	ge Tank	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE	DVE D D Tank Status: Leak Monito Tank Piping:	Plotte EPA/A	d os: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL	Point N/A E E	-
TATE UST - State U Agency Address: Underground Tan Aboveground Tar Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units):	MEDA, CA 9450 nderground Stora ks: hks: <i>T001U</i> NOT AVAILABLE NOT REPORTED NOT REPORTED (1 <b>CRA-Small Gener</b>	ge Tank VOT AVAILA Itor / SRC	SAME AS ABC NOT REPORTE NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 2# 6379 ALAMEDA FO 1650 PARK ST ALAMEDA, CA	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materio RD	Plofte	d gs: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL	Point N/A E E E CAD981581309	-
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC	MEDA, CA 9450 nderground Stora ks: hks: <i>T001U</i> NOT AVAILABLE NOT REPORTED NOT REPORTED (1 <b>CRA-Small Gener</b>	ge Tank vor Availa itor / SRC	SAME AS ABC NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 2 <b># 6379</b> ALAMEDA FO 1650 PARK ST ALAMEDA, CA Generates 10	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materio RD	Plofte	d gs: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL	Point N/A E E E	
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC Agency Address: Generator Class:	MEDA, CA 9450 nderground Stora ks: hks: 1001U NOT AVAILABLE NOT REPORTED NOT REPORTED (1 CRA-Small Genera	ge Tank vor Avalla itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 2# 6379 ALAMEDA FO 1650 PARK ST ALAMEDA, Cr Generates 10 waste	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD 4 94501 0 kg./month but	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC Agency Address:	MEDA, CA 9450 nderground Stora ks: nks: TOOIU NOT AVAILABLE NOT REPORTED NOT REPORTED (I CRA-Small General Leaking Undergro	ge Tank vor Avalla itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 2# 6379 ALAMEDA FO 1650 PARK ST ALAMEDA, Cr Generates 10 waste	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d gs: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL	Point N/A E E E CAD981581309	
TATE UST - State U         Agency Address:         Underground Tan         Aboveground Tan         Aboveground Tan         Tanks Removed:         Tank Removed:         Tank Contents:         Tank Age:         Tank Size (Units):         CRA-SmGen - RC         Agency Address:         Generator Class:         TATE LUST - State         Agency Address:	MEDA, CA 9450 nderground Stora ks: nks: TOOIU NOT AVAILABLE NOT REPORTED NOT REPORTED (I CRA-Small General Leaking Undergro	ge Tank vor Avalla itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 24 6379 ALAMEDA FO I 650 PARK ST ALAMEDA, CA Generates 10 waste age Tank / WINNER FORL 1650 PARK ST ALAMEDA, CA 01-2193	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
TATE LUST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC Agency Address: Generator Class: TATE LUST - State Agency Address: Facility ID:	MEDA, CA 9450 nderground Stora ks: nks: 1001U NOT AVAILABLE NOT REPORTED NOT REPORTED (1 RA-Small Genera	ge Tank vor Avalla itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 2# 6379 ALAMEDA FO I 650 PARK ST ALAMEDA, C Generates 10 waste 399 Tank J WINNER FORL 1650 PARK ST ALAMEDA, C	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
TATE UST - State U         Agency Address:         Underground Tan         Aboveground Tan         Aboveground Tan         Aboveground Tan         Tanks Removed:         Tank ID:         Tank Contents:         Tank Age:         Tank Size (Units):         CRA-SmGen - RC         Agency Address:         Generator Class:         TATE LUST - State         Agency Address:         Facility ID:         Leak Report Date	MEDA, CA 9450 nderground Stora ks: nks: TOOIU NOT AVAILABLE NOT REPORTED NOT REPORTED (I CRA-Small General Leaking Undergro	ge Tank VOT AVAILA Itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 24 6379 ALAMEDA FO I 650 PARK ST ALAMEDA, CA Generates 10 waste age Tank / WINNER FORL 1650 PARK ST ALAMEDA, CA 01-2193	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
IATE UST - State U         Agency Address:         Underground Tan         Aboveground Tan         Aboveground Tan         Aboveground Tan         Aboveground Tan         Aboveground Tan         Canks Removed:         Tank ID:         Tank Contents:         Tank Age:         Tank Size (Units):         CRA-SmGen - RC         Agency Address:         Generator Class:         TATE LUST - State I         Agency Address:         Facility ID:         Leak Report Date         Contamination C	MEDA, CA 9450 nderground Stora ks: T001U NOT AVAILABLE NOT REPORTED NOT REPORTED NOT REPORTED (CRA-Small General Leaking Undergro	ge Tank NOT AVAILA Itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ALAMEDA FO 1650 PARK ST ALAMEDA, C Generates 10 waste age Tank / WINNER FORL 1650 PARK ST ALAMEDA, C 01-2193 8/10/95	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC Agency Address: Generator Class: TATE LUST - State	MEDA, CA 9450 nderground Stora ks: T001U NOT AVAILABLE NOT REPORTED NOT REPORTED NOT REPORTED (CRA-Small General Leaking Undergro	ge Tank VOT AVAILA Not / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE NOT REPORTE ALAMEDA FO 1650 PARK ST ALAMEDA, C/ Generates 10 waste age Tank / MINNER FOR 1650 PARK ST ALAMEDA, C/ 01-2193 8/10/95 11/11/96	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC Agency Address: Generator Class: TATE LUST - State I Agency Address: Facility ID: Leak Report Date Contamination C	MEDA, CA 9450 nderground Stora ks: T001U NOT AVAILABLE NOT REPORTED NOT REPORTED NOT REPORTED (CRA-Small General Leaking Undergro	ge Tank vor Avalla itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE NOT REPORTE ALAMEDA FO 1650 PARK ST ALAMEDA, CA Generates 10 waste 3ge Tank / WINNER FORL 1650 PARK ST ALAMEDA, CA 01-2193 8/10/95 11/11/96 1/22/98	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	
TATE UST - State U Agency Address: Underground Tan Aboveground Tan Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): CRA-SmGen - RC Agency Address: Generator Class: TATE LUST - State I Agency Address: Facility ID: Leak Report Date Contamination C Remediation Stat	MEDA, CA 9450 nderground Stora ks: T001U NOT AVAILABLE NOT REPORTED NOT REPORTED NOT REPORTED (CRA-Small General Leaking Undergro	ge Tank VOT AVAILA Itor / SRC	SAME AS ABO NOT REPORTE NOT REPORTE NOT REPORTE ABLE) 24 6379 ALAMEDA FO IGSO PARK ST ALAMEDA. CA Generates 10 waste age Tank / WINNER FORL 1650 PARK ST ALAMEDA, CA 01-2193 8/10/95 11/11/96 1/22/98 UNKNOWN	DVE D D Tank Status: Leak Monito Tank Piping: Tank Materie RD A 94501 0 kg /month but V SRC# 6428	Ploffe  EPA// oring: al:  EPA IL	d ds: Agency ID: REMOVED NOT AVAILABL NOT AVAILABL NOT AVAILABL D: 1000 kg./month o	Point N/A E E E CAD981581309	



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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Remediation Status:		REMEDIAL A	CTION UNDERWAY			
Media Affected:		OTHER GRO	UND WATER			· · · · · ·
.ead Agency:		LOCAL AGE				
Region / District:	· · · · · · · · · · · · · · · · · · ·		ISCO BAY RE			
Description / Comme			AMEDAXSTREET:REV			
ATE LUST - State Leak	ing Underground S			EPA/A	gency ID:	N/A
Agency Address:		SAME AS AE	BOVE			•
acility ID:		01-2193			<u> </u>	
.eak Report Date:		08/10/95	·····			
Contamination Confin		11/11/96				·
Remediation Start Dat	e:	01/22/98				*•.
Substance:	·····	GASOLINE			······	· · ·
Remediation Status:	•		CTION UNDERWAY			
Media Affected:		· · · · · · · · · · · · · · · · · · ·	UND WATER			
lead Agency:	•	LOCAL AGE				
Region / District:			ISCO BAY RE			
Description / Comme	nt:	COUNTY: AL	LAMEDAXSTREET:RE	VIEW DAI	TE:	
ORTESE / SRC# 4840	A, CA 94501			Plotte Agenc		Point 01-2193
Agency Address:		SAME AS AE				
let Manage		LEAKING TA	NK	2		
		A1 61 64				
List Name: Site ID:		01-2193		· · · · ·		· · · · · · · · · · · · · · · · · · ·
Site ID: VISTA WINNER Address*: 1650 PAI		01-2193		VISIA Distain Plotted	ce/Direction	4013342 0.06 MI / E Point
Site ID: VISTA Address*: 1650 PAI ALAMED TATE UST - State Under	RK A, CA 94501	ink / SRC# 1	612	<u>Distain</u> Plotteo	ce/Direction	0.06 MI / E
Site ID: VISTA WINNER Address*: 1650 PAI ALAMED TATE UST - State Under Agency Address:	RK A, CA 94501	INK / SRC# 1 SAME AS AL	612	<u>Distain</u> Plotteo	ce/Direction d as:	0.06 MI/E PoInt
Site ID: VISTA Address*: Address*: Address Agency Address: Underground Tanks:	RK A, CA 94501	Ink / SRC# 1 SAME AS AL 2	612 30VE	<u>Distain</u> Plotteo	ce/Direction d as:	0.06 MI/E PoInt
Site ID: VISTA Address*: Address*: ALAMED TATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks:	RK A, CA 94501	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 30VE TED	<u>Distain</u> Plotteo	ce/Direction d as:	0.06 MI/E PoInt
Site ID: /ISTA WINNER Address*: 1650 PAI ALAMED IATE UST - State Under Agency Address: Jnderground Tanks: Aboveground Tanks: Tanks Removed:	RK A, CA 94501 rground Storage Ta	Ink / SRC# 1 SAME AS AL 2	612 BOVE DTED DTED	<u>Distain</u> Plotteo	ce/Direction d as: gency ID:	0.06 MI / E Point N/A
Site ID: Address": WINNER Address": 1650 PAI ALAMED Agency Address: Jnderground Tanks: Aboveground Tanks: fanks Removed: Tank ID:	RK A, CA 94501 rground Storage Ta 7001U	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 30VE DED DED Tank Status:	Distan Plotted EPA/A	ce/Direction J as: .gency ID: 	0.06 MI/E Point N/A
Site ID: /ISTA Address*: Address*: Address*: ALAMED ALAMED AGency Address: Jnderground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents:	RK A, CA 94501 rground Storage Ta rground Storage Ta 7001U OIL(NOT SPECIFIED)	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 BOVE DTED DTED	Distan Plotted EPA/A	ce/Direction d as: gency ID: ACTIVE/IN SER Agency Code	0.06 MI/E Point N/A
Site ID: VISTA Address": Address": Address": ALAMED IATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tank Removed: Tank ID: Tank Contents:	RK A, CA 94501 rground Storage Ta Tootu OIL(NOT SPECIFIED) NOT REPORTED	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 30VE DED DED Tank Status:	Distan Plotted EPA/A	ce/Direction d as: gency ID: Active/IN ser Agency Code UNKNOWN	0.06 MI/E Point N/A
Site ID: VISTA Address": Address": Address": ALAMED IATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units):	RK A, CA 94501 rground Storage Ta Taoiu Oil(NOT SPECIFIED) NOT REPORTED 150 (GALLONS)	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 BOVE TED TED Tank Status: Leak Monitor	Distan Plotter EPA/A	ce/Direction d as: gency ID: Active/IN ser Agency Code UNKNOWN UNKNOWN	0.06 MI / E Point N/A
Site ID: VISTA Address*: Address*: Address: Inderground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units):	RK A, CA 94501 rground Storage Ta Tootu OIL(NOT SPECIFIED) NOT REPORTED	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 BOVE TED Tank Status: Leak Monitor Tank Piping:	Distan Plotter EPA/A	ce/Direction d as: gency ID: Active/IN ser Agency Code UNKNOWN	0.06 MI / E Point N/A
Site ID: VISTA Address': Address': Address': Address: ALAMED TATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Age: Tank Size (Units): Tank ID: Tank ID: Tank Contents:	RK A, CA 94501 rground Storage Ta Tooiu OIL(NOT SPECIFIED) NOT REPORTED 150 (GALLONS) TOOIU UNLEADED GAS	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 BOVE TED Tank Status: Leak Monitor Tank Piping: Tank Materia	Distan Plotter EPA/A Ing:	ce/Direction d as: gency ID: Active/IN ser Agency Code UNKNOWN UNKNOWN	0.06 MI/E Point N/A //CE ()
Site ID: VISTA Address*: Address*: Address*: Address: Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tank ID: Tank ID: Tank Age: Tank Size (Units): Tank ID: Tank ID: Tank Contents: Tank Age: Tank Age: Tank Age: Tank ID: Tank Age: Tank ID: Tank Age: Tank ID: Tank Age: Tank ID: Tank ID: Tank Age: Tank ID: Tank ID: Ta	RK A, CA 94501 rground Storage Ta Tooiu Oil(NOT SPECIFIED) NOT REPORTED 150 (GALLONS) TOOIU	Ink / SRC# 1 SAME AS AL 2 NOT REPOR	612 30VE TED Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status:	Distan Plotter EPA/A Ing:	Ce/Direction J as: .gency ID:	0.06 MI/E Point N/A //CE ()



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	I. PROPERTY AND THE	ADJAGENI	AREA (within	1 <b>7/3 mile</b> )	CONIT		
Acidress*: 1541 PA	NORTHWEST CO NG RK ST A, CA 94501	011266				5521403 0.05 MI / SE Point	Мар II 6А
CRA-SmGen - RCRA- Agency Address:		C <b># 6379</b> SAME AS ABC		epa ID:		CA0001036995	
Generator Class:		Generates 10 waste	00 kg:/month but le	ess than 10	00 kg./month	of non-acutely hazarda	ous
Address*: 1541 PA	:O FACILITY #11266 RK /A. CA 94501	2		VISTA ID Disteince Pletteel	)/Direction	4013305 0.05 Mi / SE Point	
TATE UST - State Unde				EPA/Ag	ency ID:	N/A	
Agency Address:	•	SAME AS ABO	DVE				
Underground Tanks:	· · ·	4	-				
Aboveground Tanks:	•	NOT REPORTE					
Tanks Removed:	7001//					NICE	
Tank ID:	TOOTU OIL(NOT SPECIFIED)		Tank Status:		ACTIVE/IN SER		
Tank Contents:	NOT REPORTED		Leak Monitori		Agency Code		
Tank Age:	600 (GALLONS)		Tank Piping:		FIBERGLASS FIBERGLASS	•	
Tank Size (Units):	1001U		Tank Material		ACTIVE/IN SER		
Tank ID:	UNLEADED GAS		Tank Status:		Agency Code		
Tank Contents:	NOT REPORTED		Leak Monitori		rigency code Fiberglass		
Tank Age:	10000 (GALLONS)		Tank Piping:		FIBERGLASS		
Tank Size (Units): Tank ID:	10000 (Critterit)		Tank Material Tank Status:		ACTIVE/IN SER	VICE	
Tank Contents:	LEADED GAS				Agency Code		
Tank Contents: Tank Age:	NOT REPORTED		Leak Monitori Tank Piping:		FIBERGLASS		
Tank Age: Tank Size (Units):	10000 (GALLONS)		Tank Material		FIBERGLASS		
Tank ID:	10000 (C. 120.10)		Tank Material	lə	ACTIVE/IN SER	VICE	
Tank Contents:	UNLEADED GAS		Leak Monitori		Agency Code		
Tank Age:	NOT REPORTED		Tank Piping:		FIBERGLASS		
Tank Size (Units):	12000 (GALLONS)		Tank Material		FIBERGLASS		
VISTA BP Address 1541 PA ALAMEE CORTESE / SRC# 4840	RK DA, CA 94501				9/Direction as:	7429352 0.05 MI / SE Point 01-0221	
Agency Address:		SAME AS ABO	•				
List Name:		LEAKING TAN	IK				
Site ID:		01-0221				· · · · · · · · · · · · · · · · · · ·	



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PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

				VISTA		1595478	Moo
Address" 1541 PA	RKST					: <u>0.05 MI / Se</u>	6
ALAMED	A; CA 94501			Plotte		<b>Point</b>	
ATE UST - State Unde	rground Storage Tank	/ SRC# 52	75	EPA/A	gency ID:	N/A	
Agency Address:		BP OIL CO. SI 1541 PARK ST					
	· .	ALAMEDA, C					
Inderground Tanks:		4					÷.
Aboveground Tanks:		NOT REPORTE	Ð	÷ .			
anks Removed:	· .	NOT REPORTE	Ð		•	1	
ank ID:	00035300		Tank Status:		CURRENT		
ank Contents:	NOT AVAILABLE		Leak Monito	ring:	NOT AVAILABI	LE .	· ·
lank Age:	NOT REPORTED		Tank Piping:		NOT AVAILABI	LE	
ank Size (Units):	NOT REPORTED (NOT AVAIL	ABLE)	Tank Materia	al:	NOTAVAILAB	LE	
ATE LUST - State Leal	king Underground Sto		/ SRC# 6428	EPA/A	gency ID:	N/A	_
Agency Address:	• .	BP 1541 PARK ST	-				
		ALAMEDA, C					
acility ID:	·	01-0221	·			· .	
eak Report Date:		10/19/87					
Site Assessment Plan	Submitted:	10/12/87					_
ite Assessment Bego	an:	2/9/88					
ollution Characterize	ation Date:	3/22/89					
eak Cause:		STRUCTURE F	AILURE				
eak Source:		TANK					
Substance:		GASOLINE					
Remediation Event:		NO ACTION					
Remediation Event:			/15/87HOW STOP CEMENT DATE:	PPED: CLC	SE TANKENFORC	CEMENT: NONE	
Remediation Status:			HARACTERIZATIC	N .		······································	-1
Media Affected:		OTHER GROU	IND WATER				
lead Agency:		LOCAL AGEN	VCY				
Region / District:		SAN FRANCIS	CO BAY RE				
Description / Comme	ent:	COUNTY: AL	AMEDAXSTREET:RI	EVIEW DA	TE: 9/29/95	· · · · ·	
	king Underground Sto	rage Tank	/ SRC# 6545	EPA/A	gency ID:	N/A	7
Agency Address:		BP	· · · ·		v	· · · · · · · · · · · · · · · · · · ·	
<b>—</b> , , , , , , , , , , , , , , , , , , ,		1541 PARK ST ALAMEDA, C			i.		
Facility ID:		01-0221					
Leak Report Date:		10/19/87	•	· · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
Site Assessment Plan	Submitted:	10/12/87					
Site Assessment Beg		02/09/88	·	······································	•		-
Pollution Characterize		03/22/89			÷		
Substance:		GASOLINE	·····				
Remediation Event:	· · ·	NO ACTION	TAKEN				7
Remediation Status:		POLLUTION	HARACTERIZATIC	N N			-
Media Affected:		OTHER GROU				· · · · · · · · · · · · · · · · · · ·	-
Lead Agency:		LOCAL AGE	VCY		· · · · · · · · · · · · · · · · · · ·		
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Description / Comme	nt	COUNTY: AL	AMEDAXSTREET:REV	IEW DATE			
	(111.				• •		l
ASTA SOWNER	OPERATOR				<b>)#:</b>	8590395	Mcip ID
veldresst: 1522 PA				Distanc	e/Direction	12 0.06 MI / SE	
	/AV CA 94501.5			Plotted	OS:	Point	<b>6</b> A
ATE UST - State Unde		nk / SRC# 52	275	EPA/Ac	jency ID:	N/A	
gency Address:		SAME AS AB			2		
Inderground Tanks:		NOT REPORT	TED				
boveground Tanks:	·	NOT REPORT	TED				
anks Removed:		NOT REPORT	TED		i		
ank ID:	T001U		Tank Status:		REMOVED		
ank Contents:	NOT AVAILABLE		Leak Monitor	ng:	NOT AVAILAB	lE .	
ank Age:	NOT REPORTED		Tank Piping:	<b>U</b> -	NOT AVAILAB	DLE	
ank Size (Units):	NOT REPORTED (NOT AV	AILABLE)	Tank Materia	Ŀ	NOT AVAILAB	LE	
ASTA STATE ACTION	DESIGN				<b>)#:</b>	3201124	Map II
Address* 1511 PA				Distanc	ce/Direction	n: 0.06 MI / S	
	DA, CA 94501			Plottec	l as:	Point	
CRA-SmGen - RCRA		SPC# 6379		EPA ID:	ang ng kang kang kang kang kang kang kan	CAD983636374	4
	Struit Condition/				·	1.0.0000007	<u> </u>
		SAME AS AB	BOVE .				1
Generator Class:	WORKS DEPARIM	waste		VISTA II	DÆ	of non-acutely hazar	   Mop
Generator Class: VISTA PUBLIC Address*: 2263 SA	NTA CLARA	Generates i waste		VISTA II	D#i ce/Direction		
Generator Class: VISTA Address* 2263 SA ALAMEL	<b>NTA CLARA</b> DA, CA 94501	Generates i waste	100 kg./month but k	VISTA I Distanto Plottec	D#: se/Direction 1 cis:	1259127 0.07 Mi / W Point	   Mop
Generator Class: VISTA Address*: 2263 SA ALAMEI TATE UST - State Unde	<b>NTA CLARA</b> DA, CA 94501	Generates i waste	100 kg./month but k	VISTA I Distanto Plottec	D#i ce/Direction	1259127 30.07 MI / W	   Mop
Generator Class: VISTA Address*: 2263 SA ALAMEI TATE UST - State Unde Agency Address:	<b>NTA CLARA</b> DA, CA 94501	Generates i waste ENT ink / SRC# 14	100 kg./month but k	VISTA I Distanto Plottec	D#: se/Direction 1 cis:	1259127 0.07 Mi / W Point	   Mop
Generator Class: VISTA Address*: 2263 SA ALAMEI TATE UST - State Under Agency Address: Underground Tanks:	NTA CLARA DA, CA 94501 orground Storage Ta	Generates i waste ENT ink / SRC# 1 SAME AS AE	100 kg./month but k 612 30VE	VISTA I Distanto Plottec	D#: se/Direction 1 cis:	1259127 0.07 Mi / W Point	   Mop
Generator Class: VISTA Address: 2263 SA 2263 SA ALAMEI TATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks:	NTA CLARA DA, CA 94501 orground Storage Ta	Generates i waste ENI ink / SRC# 14 SAME AS AE 2	100 kg./month but k 612 30VE	VISTA I Distanto Plottec	D#: se/Direction 1 cis:	1259127 0.07 Mi / W Point	   Mop
Generator Class: VISTA Address*: 2263 SA 2263 SA ALAMEI TATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Tanks Removed:	NTA CLARA DA, CA 94501 orground Storage Ta	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 BOVE TED TED	VISTA I Distanto Plottec	D#: se/Direction 1 cis:	1259127 n 0:07 MI / W Point N/A	   Mop
Generator Class: VISTA Address*: 2263 SA ALAMEI TATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Tanks Removed: Tank ID:	NTA CLARA DA, CA 94501 orground Storage To	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 30VE TED TED Tank Status:	VISTA II Distanc Plottec EPA/Ag	D#: se/Direction I as: gency ID:	1259127 0.07 MI / W Point N/A	   Mop
Senerator Class: VISTA Address*: 2263 SA ALAMEI TATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents:	NTA CLARA DA, CA 94501 prground Storage To	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 30VE TED Tank Status: Leak Monitor	VISTA II Distanc Plottec EPA/Ag	D#: se/Direction 1 ds: gency ID: ACTIVE/IN SE	1259127 0.07 MI / W Point N/A	   Mop
Senerator Class: VISTA Address*: 2263 SA ALAMEL 2263 SA ALAMEL 2263 SA ALAMEL Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents: Tank Age:	NTA CLARA DA, CA 94501 orground Storage Ta uoolu UNLEADED GAS NOT REPORTED	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 30VE TED Tank Status: Leak Monitor Tank Piping:	VISTA II Distance Plottec EPA/Ag	D#I se/Direction 1 ds: gency ID: Active/IN set Agency Cod	1259127 0.07 MI / W Point N/A	   Mop
Generator Class: /ISTA Address*: 2263 SA 2263 SA 2263 SA ALAMEI (ALAMEI Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units):	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS)	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 30VE TED Tank Status: Leak Monitor Tank Piping: Tank Materia	VISTA II Distance Plottec EPA/Ag	D#I se/Direction I ds: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED	1259127 0.07 MI / W Point N/A RVICE le (*) STEEL	   Mop
Senerator Class: VISTA Address*: 2263 SA 2263 SA ALAMEI IATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents: Tank Age: Tank Size (Units): Tank ID:	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 300VE TED Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status:	VISTA II Distance Plottec EPA/Ag ing: it:	D#I: ce/Direction I gs: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE	1259127 0.07 MI / W Point N/A RVICE le ( ) D STEEL RVICE	   Mop
Senerator Class: /ISTA Address*: 2263 SA ALAMEI 7ATE UST - State Under Agency Address: Underground Tanks: Aboveground Tanks: Aboveground Tanks: Tanks Removed: Tank ID: Tank Contents: Tank Size (Units): Tank ID: Tank ID: Tank Contents:	NTA CLARA DA, CA 94501 Prground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 30VE Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status: Leak Monitor	VISTA II Distance Plottec EPA/Ag ing: it:	D#I: se/Direction I ds: gency ID: Active/IN set Agency Cod GAL VANIZED BARE STEEL	1259127 0.07 MI / W Point N/A RVICE le ( ) STEEL RVICE le ( )	   Mop
Senerator Class: VISTA Address*: 2263 SA ALAMEL 2263 SA ALAMEL TARMEL 1266 SA ALAMEL 1266 SA 1266 SA 1	NTA CLARA DA, CA 94501 Erground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS NOT REPORTED	Generates i waste ENT ink / SRC# 10 SAME AS AE 2 NOT REPOR	100 kg./month but k 612 30VE TED Tank Status: Leak Monitor Tank Piping: Tank Status: Leak Monitor Tank Status: Leak Monitor Tank Piping:	VistA II Distance Plottec EPA/Ac ing: i:	D#I se/Direction I ds: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE Agency Cod GALVANIZED	1259127 0.07 MI / W Point N/A RVICE le ( ) STEEL RVICE le ( )	   Mop
Senerator Class: VISTA Address*: 2263 SA ALAMEL 2263 SA ALAMEL Tank UST - State Under Tank ID: Tank ID: Tank Contents: Tank Contents: Tank Age: Tank Age: Tank Size (Units):	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS NOT REPORTED T000 (GALLONS)	Generates i waste ENT ink / SRC# 1 SAME AS AE 2 NOT REPOR NOT REPOR	100 kg./month but k 612 30VE TED Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status: Leak Monitor Tank Piping: Tank Piping: Tank Materia	VISTA II Distance Plottec EPA/Ag ing: i: ing:	D#I: ce/Direction I gs: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE Agency Cod GALVANIZED UNKNOWN	1259127 D 07 MI / W Point N/A RVICE (c) STEEL RVICE (c) STEEL	   Mop
Generator Class: VISTA Address*: 2263 SA 2263 SA ALAMEI 2263 SA ALAMEI 2263 SA ALAMEI 2263 SA ALAMEI 2263 SA ALAMEI TAREUST - State Under Tank Age: Tank Age: Tank Age: Tank Age: Tank Age: Tank Size (Units): Tank Size (Units): Tank Size (Units): TATE UST - State Under	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS NOT REPORTED T000 (GALLONS)	Generates i waste ENT Ink / SRC# 1 SAME AS AE 2 NOT REPOR NOT REPOR	100 kg./month but k 612 300VE Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status: Leak Monitor Tank Status: Leak Monitor Tank Piping: Tank Materia 275	VISTA II Distance Plottec EPA/Ag ing: i: ing:	D#I se/Direction I ds: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE Agency Cod GALVANIZED	1259127 0.07 MI / W Point N/A RVICE le ( ) STEEL RVICE le ( )	   Mop
Senerator Class: VISTA Address*: 2263 SA 2263 SA 2263 SA ALAMEI 2263 SA ALAMEI 2265 SA 2265 SA 2275	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS NOT REPORTED T000 (GALLONS)	Generates i waste ENT ink / SRC# 1 SAME AS AE 2 NOT REPOR NOT REPOR	100 kg./month but k 612 30VE TED Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status: Leak Monitor Tank Piping: Tank Piping: Tank Materia	VISTA II Distance Plottec EPA/Ag ing: i: ing:	D#I: ce/Direction I gs: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE Agency Cod GALVANIZED UNKNOWN	1259127 D 07 MI / W Point N/A RVICE (c) STEEL RVICE (c) STEEL	   Mop
Generator Class:         /ISTA       PUBLIC         Address*:       2263 SA         ALAMEI         IATE UST - State Under         Agency Address:         Underground Tanks:         Aboveground Tanks:         Aboveground Tanks:         Tank Removed:         Tank ID:         Tank Size (Units):         Tank ID:         Tank Size (Units):         Tank Size (Units):         Tank Size (Units):         Tank Size (Units):         TATE UST - State Under         Agency Address:	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS NOT REPORTED T000 (GALLONS)	Generates i waste ENT ink / SRC# 1 SAME AS AE 2 NOT REPOR NOT REPOR	100 kg./month but k 612 30VE Tank Status: Leak Monitor Tank Materia	VISTA II Distance Plottec EPA/Ag ing: i: ing:	D#I: ce/Direction I gs: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE Agency Cod GALVANIZED UNKNOWN	1259127 D 07 MI / W Point N/A RVICE (c) STEEL RVICE (c) STEEL	   Mop
Address* 2263 SA	NTA CLARA DA, CA 94501 orground Storage To U001U UNLEADED GAS NOT REPORTED 280 (GALLONS) U001U LEADED GAS NOT REPORTED 1000 (GALLONS) orground Storage To	Generates i waste ENT ink / SRC# 1 SAME AS AE 2 NOT REPOR NOT REPOR	100 kg./month but k 612 300VE 7ED Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Status: Leak Monitor Tank Status: Leak Monitor Tank Piping: Tank Materia 275 RKS DEPARTMENT A CLARA AVE CA 94501 27ED	VISTA II Distance Plottec EPA/Ag ing: i: ing:	D#I: ce/Direction I gs: gency ID: ACTIVE/IN SE Agency Cod GALVANIZED BARE STEEL ACTIVE/IN SE Agency Cod GALVANIZED UNKNOWN	1259127 D 07 MI / W Point N/A RVICE (c) STEEL RVICE (c) STEEL	   Mop



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Tank Status: Leak Monitor Tank Piping: Tank Materia Tank Materia	NOTAVAILA	BLE BLE 6605317	
Tank Piping: Tank Materia Diale Tank / SRC# 6428 MEDA CITY OF S SANTA CLARA AVE	NOT AVAILA I: NOT AVAILA VISTA ID#: Distance/Directio Plotted as:	BLE BLE In 0.07 MI / W Point	Map 70
Tank Materia Tank / SRC# 6428 MEDA CITY OF S SANTA CLARA AVE	I: NOTAVALA VISTA ID#: Distance/Directio Plotted as:	<i>BLE</i> 6605317 in: 0.07 MI / W Point	       
e Tank / SRC# 6428 MEDA CITY OF 3 SANTA CLARA AVE	VISTA ID#: Distance/Directio Plotted as:	6605317 n: 0.07 MI / W Point	Mare 7
MEDA CITY OF 3 SANTA CLARA AVE	Distance/Directio Plotted as:	in: 0.07 MI / W Point	Ma: 7
MEDA CITY OF 3 SANTA CLARA AVE	EPA/Agency ID:	N/A	terstand ref
3 SANTA CLARA AVE			-
MEDA, CA		•	
?152			
1/94			]
1/96			
3/96			<b>.</b>
NOWN	······		
NOWN			
SOLINE			
	ORCEMENT:ENFORCEME	ENT DATE:	
SE CLOSED			
LONLY			
CALAGENCY			
I FRANCISCO BAY RE	·		]
			ļ
	EPA/Agency ID:	N/A	1
3 SANTA CLARA AVE MEDA, CA 94501			
		<u> </u>	l
	•		
UNTY: ALAMEDAXSTREET:RE	VIEW DATE:	· · ·	i
	1996 1996 1996 1996 1996 1996 1998	1996 1996 1996 1996 1996 1996 1996 1997	1/96         1/96         1/96         1/96         1/00WN         NOWN         SOLINE         P DATE:HOW STOPPED:ENFORCEMENT:ENFORCEMENT DATE:         SE CLOSED         ONLY         SAL AGENCY         IFRANCISCO BAY RE         UNTY: ALAMEDAXSTREET:REVIEW DATE: 8/7/96 <b>a Tank / SRC# 6545</b> [EPA/Agency ID: N/A         MEDA CITY OF         3 SANTA CLARA AVE         MEDA, CA 94501         152         24/94         11/95         18/96         SOLINE         SE CLOSED         ONLY         AL AGENCY         IFRANCISCO BAY RE



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Site Assessment Began:	2/28/91	l
Case Closed Date:	9/3/92	
Leak Cause:	STRUCTURE FAILURE	
Leak Source:	TANK	
Substance:	GASOLINE	
Remediation Event:	STOP DATE: 1/11/91HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE:	
Remediation Status:	CASE CLOSED	
Media Affected:	SOIL ÓNLY	
Lead Agency:	LOCALAGENCY	
Region / District:	SAN FRANCISCO BAY RE	
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 1/26/93	
TATE LUST - State Leaking Undergro	ound Storage Tank / SRC# 6545 EPA/Agency ID: N/A	
Agency Address:	FOWLER ANDERSON MORTUARY 2244 SANTA CLARA AVE ALAMEDA, CA 94501	
Facility ID:	01-0657	
Leak Report Date:	01/11/91	1. 1
Site Assessment Began:	02/28/91	
Case Closed Date:	09/03/92	
Substance:	GASOLINE	
Remediation Status:	CASE CLOSED	
		1
Media Affected:	SOIL ONLY	1
Media Affected:	SOIL ONLY LOCAL AGENCY	

	JENA VISTA DA, CA 94501	fert freiden freid i einer ist in die eine stere in die eine stere in die eine stere stere stere stere stere st	stance/Direction offed as:	0.08 MI / NE Point	
	erground Storage Tank / SRC	<b># 5275</b> EP	A/Agency ID:	N/A	L
Agency Address:	SAME A.	S ABOVE			]
Underground Tanks:	NOT REF	PORTED			
Aboveground Tanks	-	PORTED			
Tanks Removed:	NOT REF	PORTED			
Tank ID:	10010	Tank Status:	REMOVED		
Tank Contents:	NOT AVAILABLE	Leak Monitoring	NOT AVAILABLE	Filler (	l
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABLE	F	
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABLE	-	

VISTA WINNER FORD I Address*: 1835 OAK ST ALAMEDA: CA		VISTA ID#: Distance/Direction Plotted as:	5209723 a: 0.10 MI / NE Point
RA-SmGen - RCRA-Small G		EPAID:	CA0000384495
gency Address:	ALLSTAR FORD INC 1835 OAK ST ALAMEDA, CA 94501		10110000001110
Generator Class:	Generates 100 kg./montt waste	n but less than 1000 kg./month	of non-acutely hazardous



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	PROPERIY AND THE	ADJACENTAREA (with)	n 1/8 mil	») CONT.		
	ASTING INC		<u>VISTA II</u>		4244392	Map ID
Address <sup>4</sup> 1849 OA	K ST.		Potted		: <u>0.11 MI / NE</u> Point	<b>8</b> B
	A, CA 94501 ·					
RIS - Toxic Release Inv	entory System / SRC		EPA ID:		CAD00019303N	
Agency Address:	<u> </u>	SAME AS ABOVE		· · · · · · · · · · · · · · · · · · ·		4
Chemical Abstract Se	rvice Registry:				tity Released: 0 (POUNDS)	4
<u>1, 1, 1-TRICHLOROETHANE</u> CRA-SmGen - RCRA-	Small Conorator / SP	C# 6370	EPA ID		CAD009205048	• .
Agency Address:		SKS DIE CASTING AND MACH 1849 OAK ST ALAMEDA, CA 94501	and the second	<u>;</u>	<u></u>	
Generator Class:	· · · · ·	Generates 100 kg./month bu waste	t less than 1	000 kg./month	of non-acutely hazardous	
MISTRATE ALAMIED	ADIANT		VISTAI	<b>)#:</b>	1262173	
Address*: 1849 OA					0.11 MI / NE	
1097 97			Plottec	and a set of the set o	Point	8B
The second se	A, CA 94501			gency ID;	N/A	4 63.53
TATE UST - State Unde	rgrouna storage Ian	SAME AS ABOVE			111/7	-
Agency Address:		1		· · · ·	•	
Underground Tanks:		NOT REPORTED				
Aboveground Tanks:		NOT REPORTED			·	
Tanks Removed: Tank ID:	0010	Tank Status	•	CLOSED REM	OVED	<b>-</b>
	LEADED GAS	Leak Monit		Agency Code	9(")	
Tank Contents:	NOT REPORTED	Tank Piping	-	UNKNOWN		
Tank Age:	250 (GALLONS)	Tank Mater		BARE STEEL		
Tank Size (Units): STATE UST - State Unde			<u> </u>	gency ID:	N/A	-
Agency Address:	IGIOUIO SIDIOGA ION	ALAMEDA PLANT		geney ib.		-
Agency Address.		1849 OAK ST				N
		ALAMEDA, CA 94501 NOT REPORTED				
Underground Tanks:		NOT REPORTED				
Aboveground Tanks:		NOT REPORTED				
Tanks Removed: Tank ID:	001U	Tank Status		OTHER		1.
Tank Contents:	NOT AVAILABLE	Leak Monii		NOTAVAILAE	BLE	
	NOT REPORTED	Tank Piping	-	NOT AVAILAE	BLE	
Tank Age:	NOT REPORTED (NOT AVA			NOTAVAILAE		
Tank Size (Units):			MI.			-J 
VISTA Address*: 1700 PA	augh Motors, in RK st	<b>IC.</b>	The second second second second	ce/Direction	73893 n 0.09 MI / E	Mep I 9/
ALAMEI	DA, CA 94501		Plotted		Point	
STATE UST - State Unde	erground Storage Tan	k / SRC# 5275	EPA/A	gency ID:	N/A	
Agency Address:	•	SAME AS ABOVE				
Underground Tanks:	·	NOT REPORTED				
Aboveground Tanks		NOT REPORTED			н. 1917 — П.	
Tanks Removed:	· · · · · · · · · · · · · · · · · · ·	NOT REPORTED				



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Tank ID:	10010	Tank Sta	itus:	REMOVED	
Tank Contents:	NOT AVAILABLE	Leak Ma	onitoring:	NOT AVAILABL	E
	NOT REPORTED	Tank Pip	ing:	NOT AVAILABL	E
	NOT REPORTED (NOT AVAILAI		-	NOT AVAILABL	E
TATE LUST - State Leak	ing Underground Storc	ae Tank / SRC# 64	128 EPA/	Agency ID:	N/A
Agency Address:	. (	CAVANAUGH MOTORS			······································
	-	1700 PARK ST ALAMEDA, CA			
Facility ID:		11-0291			
Leak Report Date:	7	2/15/89			
Site Assessment Plan	Submitted: 4	1/13/90			
Site Assessment Bega		5/8/90		<u>.</u>	
Pollution Characterizo		1/15/91			
Case Closed Date:	the second s	12/9/96			
Leak Cause:	5	STRUCTURE FAILURE			······································
Leak Source:	1	ANK			
Substance:		GASOLINE			
Remediation Event:		STOP DATE: 4/16/90HOW		OSE TANKENFORC	EMENT: NONE
Remediation Status:		CASE CLOSED			
Media Affected:	. (	OTHER GROUND WATER			
Lead Agency:	· · · · · · · · · · · · · · · · · · ·	LOCAL AGENCY		·	
Region / District:	5	SAN FRANCISCO BAY RE	F		·
Description / Comme	ent:	COUNTY: ALAMEDAXSTR	REET:REVIEW D	ATE: 12/9/96	
STATE LUST - State Leak		age Tank / SRC# 6	545 EPA/	Agency ID:	N/A
Agency Address:		CAVANAUGH MOTORS	• ·		
		1700 PARK ST ALAMEDA, CA 94501			
Facility ID:		01-0291			
Leak Report Date:	·····	12/15/89			······································
Site Assessment Plan	Submitted:	04/13/90			
Site Assessment Bego		06/08/90			
Pollution Characterize		04/15/91			
Case Closed Date:	· · · · · · · · · · · · · · · · · · ·	12/09/96			· · · · · · · · · · · · · · · · · · ·
Substance:		GASOLINE			
		CASE CLOSED			
Remediation Status			· · · · ·		
Remediation Status: Media Affected:		OTHER GROUND WATER			
Media Affected:	·	OTHER GROUND WATER	· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·	4		,		



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	AUGH MOTORS, II	чс,		months manufactor relies to	and the state of t	0.09 MI / E	
				Pote		Point	<b></b>
	A, CA 94501				in the second		
ATE UST - State Unde	rground Storage Tar			EPA/A	gency ID:	N/A	
gency Address:		SAME AS AB	OVE	•			1
nderground Tanks:		2	<b>~</b> ~	•			
boveground Tanks:		NOT REPORT					
anks Removed:		NOT REPORT			010050 05144		
ank ID:	1001U		Tank Status:		CLOSED REMO		
ank Contents:	UNLEADED GAS		Leak Monitor	ing:	Agency Code	()	
ank Age:	NOT REPORTED		Tank Piping:		UNKNOWN		
ank Size (Units):	550 (GALLONS)		Tank Materia	l:	UNKNOWN		·
ank ID:	1001U		Tank Status:	_	CLOSED REMO		
ank Contents:	OIL(NOT SPECIFIED)		Leak Monitor	ing:	Agency Code	0	
ank Age:	NOT REPORTED		Tank Piping:		UNKNOWN		
ank Size (Units):	300 (GALLONS)		Tank Materia	<u>li:</u>	UNKNOWN		
Address*: 1700 PA ALAMEE CRA-SmGen - RCRA	DA, CA 94501	DC# 6370		Distan Plotted EPA ID		0.09 MI / E Point CAD981417447	92
<u>CRA-SmGen - RCRA</u> Agency Address:	SINGII Generator / S		H MOTOR CHRYSL		<u></u>	CAD901417447	
Generator Class:	· ·		CA 945011416	less than .	1000 kg./month c	of non-acutely hazard	tous
Address': 1701 PA ALAMET	DA, CA 94501		775	Distan Plotteo		4558636 0.11 MI / E Point N/A	
ATE UST - State Unde Agency Address:	igiouna siolage rai	SAME AS AB			gency ID:		
Underground Tanks:		3					
Aboveground Tanks:		- NOT REPOR	TED				
Abovegiouna ranks: Tanks Removed:		NOT REPOR					
Tank ID:	1001U		Tank Status:		CURRENT		
rank ID: Fank Contents:	NOT AVAILABLE		Leak Monito	rina	NOT AVAILABL	E	
	NOT REPORTED		Tank Piping:	iniy.	NOT AVAILABL	1 A A	
Tank Age: Tank Size (Units):	NOT REPORTED (NOT AVA	AILABLE	Tank Piping. Tank Materic	el•	NOTAVAILABL		
IUNK JKA (UINS).		·····		***			السبيت
A the state of the				Plotfe	ce/Direction d cs:	Point	Мар 91
ALAMEI	DA, CA 94501				10	01-1950	
ALAMEI CORTESE / SRC# 4840				Agend		101-1900	<u></u>
ALAMEI	<u> </u>	SAME AS AE		Agend	cy ID:	101-1900	
ALAMEL CORTESE / SRC# 4840	<u>JA, CA 94501</u>	SAME AS AE LEAKING TA 01-1950		Agend		101-1930	

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Acidress*: 1701 P	DIL CO DBA SHELL ARK EDA, CA 94501	OL	<u>VISTA</u> Distan Piotte	ce/Direction	4013356 0.11 Mi / E Point	- <sup>Me</sup>
ATE UST - State Unc	lerground Storage T		EPA/A	gency ID:	N/A	
Agency Address:		SAME AS ABOVE				
<b>Inderground Tanks</b>		4				
Aboveground Tank	s:	NOT REPORTED		-		
anks Removed:		NOT REPORTED				·
ank ID:	10010	Tank Status:		ACTIVE/IN SER	VICE	
ank Contents:	DIESEL	Leak Monito	ning:	Agency Code	$\mathcal{O}$	
ank Age:	NOT REPORTED	Tank Piping:		FIBERGLASS		
ank Size (Units):	10000 (GALLONS)	Tank Materi	al:	BARE STEEL		
ank ID:	<b>TOO</b> IÙ	Tank Status:		ACTIVE/IN SER	VICE	
ank Contents:	UNLEADED GAS	Leak Monito	oring:	Agency Code	$\mathcal{O}$ .	
lank Age:	NO'T REPORTED	Tank Piping:		FIBERGLASS		
íank Size (Units):	10000 (GALLONS)	Tank Materi	al:	BARE STEEL		
fank ID:	T001U	Tank Status:		ACTIVE/IN SER	VICE	
Tank Contents:	UNLEADED GAS	Leak Monito	ning:	Agency Code	$\mathcal{O}$	
lank Age:	NOT REPORTED	Tank Piping:		FIBERGLASS		
Tank Size (Units):	10000 (GALLONS)	Tank Materi	al:	BARE STEEL		
Tank ID:	T001U	Tank Status:		ACTIVE/IN SER	VICE	7
Tank Contents:	UNLEADED GAS	Leak Monito	oring:	Agency Code	$\mathcal{O}_{\mathcal{O}}$	
Tank Age:	NOT REPORTED	Tank Piping:		FIBERGLASS		
Tank Size (Units):	10000 (GALLONS)	Tank Materi	al:	BARE STEEL		

VISTA XTRA OIL COM Address*: 1701 PARK ST ALAMEDA, CA		VISTA ID#: Distance/Direction Plotted as:	1226876 0.11 Mi / E Point	<sup>Mer</sup> 9
STATE LUST - State Leaking Unc	lerground Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	XTRA OIL COMPANY 1701 PARK ST			
	ALAMEDA, CA 01-1950			

Facility ID:	01-1950
Leak Report Date:	4/8/94
Contamination Confirmed Date:	7/5/94
Remediation Start Date:	1/29/98
Leak Cause:	UNKNOWN
Leak Source:	UNKNOWN
Substance:	GASOLINE
Remediation Event:	NO ACTION TAKEN
Remediation Event:	STOP DATE: 4/8/94HOW STOPPED: REMOVE CONTENTSENFORCEMENT: NONE TAKENENFORCEMENT DATE:
Remediation Status:	REMEDIAL ACTION UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET: BUENA VISTAREVIEW DATE: 5/25/99



• VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Userba 261 Poge #33

TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545 EPA/Agency iD: N/A
Agency Address:	SAME AS ABOVE
Facility ID:	01-1950
Leak Report Date:	04/08/94
Contamination Confirmed Date:	07/05/94
Remediation Start Date:	01/29/98
Substance:	GASOLINE
Remediation Event:	NO ACTION TAKEN
Remediation Status:	REMEDIAL ACTION UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET: BUENA VISTAREVIEW DATE:

· · · · ·				
VISTA EXXON RE	GAL	VISTA ID#:	7429380	Map ID
Address 1725 PARK		Distance/Direction	0.12 MI / NE	<b>OD</b>
ALAMEDA	的复数 医马克氏试验检试验检尿道 化乙烯基乙烯基乙烯基乙烯基乙烯基乙烯基乙烯基乙烯 化乙酸乙酯	Plotted as:	Point	<b>XD</b>
CORTESE / SRC# 4840	Sanana yanan mangan sana na sa	Agency ID:	01-0602	Carl Criteria Lars
Agency Address:	SAME AS ABOVE			
List Name:	LEAKING TANK			
Site ID:	01-0602			

5 ID

Address*: 1725 P/	# 70104 #405 \RK DA, CA 94501		VISTA ID#: Distance/Direction Plotted as:	4013369 0.12 ML/ NE Point
TATE UST - State Und	erground Storage Tank		EPA/Agency ID:	N/A
Agency Address:		SAME AS ABOVE		
Underground Tanks:		5		
Aboveground Tanks		NOT REPORTED		
Tanks Removed:		NOT REPORTED		
Tank ID:	τοοιυ	Tank Status:	ACTIVE/IN SER	
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitor	ing: Agency Code	$\mathcal{O}$
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN	
Tank Size (Units):	NOT REPORTED (GALLONS)	Tank Materia		·
Tank ID:	τοοιυ	Tank Status:	ACTIVE/IN SER	VICE
Tank Contents:	UNLEADED GAS	Leak Monito	ring: Agency Code	$\mathcal{O}$
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS	
Tank Size (Units):	10000 (GALLONS)	Tank Materia	I: FIBERGLASS	
Tank ID:	10010	Tank Status:	ACTIVE/IN SER	VICE
Tank Contents:	LEADED GAS	Leak Monito	ring: Agency Code	$\mathcal{O}$
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN	
Tank Size (Units):	5000 (GALLONS)	Tank Materia	il: BARE STEEL	· · · · · · · · · · · · · · · · · · ·
Tank ID:	T001U	Tank Status:	ACTIVE/IN SER	VICE
Tank Contents:	LEADED GAS	Leak Monito	ring: Agency Code	$\mathcal{O}$
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS	
Tank Size (Units):	10000 (GALLONS)	Tank Materic	II: FIBERGLASS	



		ND THE ADJACENT		1/8 ml	A CONT		
ank ID:	10010		Tank Status:		ACTIVE/IN SER	VICE	
ank Contents:	UNLEADED GAS		Leak Monitor	ing:	Agency Code	( <i>r</i> )	
ank Age:	NOT REPORTED		Tank Piping:	•	FIBERGLASS		
(ank Size (Units):	10000 (GALLONS)		Tank Materia	t <b>l:</b>	FIBERGLASS		ы. <sup>1</sup>
MOTAVE AND DOXON				NUST A	D#c allocation	929700	Mop
						0.12 MI / NE	
			28 - S.	Plotte		Point	
	<u>DA, CA 9450</u>				<b>i i se </b>	<u> ATTENT GIODON (CETTA (A</u>	
ATE UST - State Und	erground Stora	ge Tank / SRC# 52 EXXON R/S #2		EPA/A	gency ID:	N/A	
Agency Address:		1725 PARK ST		•		· .	
,		ALAMEDA, C	A 94501				· ·
Underground Tanks:		3					· ·
Aboveground Tanks	5:	NOT REPORTE					
lanks Removed:		NOT REPORTE					
iank ID:	T001U		Tank Status:		CURRENT		
ank Contents:	NOT AVAILABLE		Leak Monito	ring:	NOT AVAILAB	LE	· .
lank Age:	NOT REPORTED		Tank Piping:		NOTAVAILAB	LE	
Tank Size (Units):	NOT REPORTED (1	NOT AVAILABLE)	Tank Materia	al:	NOTAVAILAB	LE	
RNS - Emergency R	esponse Notific	ation System / SRC	C# 6181	Agen	cy ID:	91-5278	] ·
Agency Address:		EXXON					
		1/25 PARK ST ALAMEDA, C	. WELL #7-0104 A 94501				
Spill Date Time:			08:30:00 AM	•			
Case Number:		91-5278					Ľ
Spill Location:		1725 PARK \$1	r. WELL #7-0104				
Source Agency:		Ε	•				
Discharger Org:		EXXON					
Material Spilled:		GASOLINE, O	OO (UNK)				
Waterway Affected	•	NONE					
-			lame, Discharger	Phone			
Fields Not Reported	and Release:	Water Release:	Ground Rel		Egoility	Other Release:	-
Air Release: Lo		WUIDI KEIGUSO.	Giodila Kei	•	Release:	Unior Release.	
NO N	10	NO	NO		NO	NO	1
TATE LUST - State Le	aking Undergro	und Storage Tank	/ SRC# 6428	EPA/A	gency ID:	N/A	
Agency Address:		EXXON REGA		-			
•		1725 PARK S. ALAMEDA, C				• • • • •	
Facility ID:		01-0602					
Leak Report Date:		7/25/91	······································	• • • • • • • • • • • • •		<u> </u>	1
Site Assessment Be	aan:	6/24/88		· · · · · ·			1
Pollution Character	T	3/21/89	· · · · · · · · · · · · · · · · · · ·				1
Remediation Plan		9/23/91					1.
		3/24/98					
Remediation Start [		STRUCTURE F	All URF				1.
Leak Cause:		TANK	r #m.V/\6				
Leak Source:					· · · · · · · · · · · · · · · · · · ·		-
Substance:		GASOLINE	REAT GROUND W	·			4
<b>Remediation Event</b>							



Remediation Event:	STOP DATE: 8/9/88HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 12/12/91	
Remediation Status:	REMEDIAL ACTION UNDERWAY	
Media Affected:	OTHER GROUND WATER	
Lead Agency:	LOCAL AGENCY	
Region / District:	SAN FRANCISCO BAY RE	
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 5/17/99	

MapID

MISTA EXXON REGAL Address*: 1725 PARK ST ALAMEDA, CA 94501		VISTA ID#: Distance/Direction Plotted as:	<u>12640032</u> 0.12 ML/ NE Point
STATE LUST - State Leaking Undergroun	d Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0602		
Leak Report Date:	07/25/91	· .	
Site Assessment Began:	06/24/88		
Pollution Characterization Date:	03/21/89		
Remediation Plan Date:	09/23/91		
Remediation Start Date:	03/24/98		
Substance:	GASOLINE		
Remediation Event:	PUMP AND TREAT GROUND W	ATER	
Remediation Status:	REMEDIAL ACTION UNDERWA	Y	
Media Affected:	OTHER GROUND WATER	· · ·	
Lead Agency:	LOCAL AGENCY	· · ·	* <u>-</u> * *
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE:	

Address*:	726 PA	DA FOREIGN AUT RK DA, CA 94501	0		VISTA ID#: Distance/Directio Plotted as:	4013371 n 0.12 MI / E Point	- Mop D 98
an name through a burant through an		rground Storage To	ank / SRC# 1	612	EPA/Agency ID:	N/A	
Agency Add		<u></u>	SAME AS AB		· ·		
Underground	i Tanks:		1			·	
Abovegroun	d Tanks:		NOT REPOR	TED			
Tanks Remov	ved:		NOT REPOR	TED			
Tank ID:		10010		Tank Status:	ACTIVE/IN SE	RVICE	
Tank Conten	ts:	OIL(NOT SPECIFIED)		Leak Monitori	ng: Agency Coc	de(`)	
Tank Age:		NOT REPORTED		Tank Piping:	UNKNOWN		
Tank Size (Ur	nits):	150 (GALLONS)		Tank Material	BARE STEEL	·	



VISTA JOHN B HENRY ESTATE Address*: 1726 PARK ST ALAMEDA, CA 94501		VISTA ID#: Distance/Direction: Plotted as:	<u>11499173</u> 0.12 Mi / E Point	Меріі - <b>9</b> В
STATE LUST - State Leaking Underground Sto	rage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	JOHN B HENRY ESTATE 1726 PARK ST ALAMEDA, CA	••••••••••••••••••••••••••••••••••••••		
Facility ID:	01-0008	· · ·		-
Leak Report Date:	5/12/92			
Site Assessment Plan Submitted:	5/12/92			
Case Closed Date:	10/23/96	······································		
Leak Cause:	STRUCTURE FAILURE			
Leak Source:	TANK			
Substance:	GASOLINE			
Remediation Event:	NO ACTION TAKEN		· · · · · · · · · · · · · · · · · · ·	
Remediation Event:	STOP DATE: 5/12/92HOW STOP TAKENENFORCEMENT DATE:	PPED: CLOSE TANKENFORCE	MENT: NONE	
Remediation Status:	CASE CLOSED			
Media Affected:	OTHER GROUND WATER			
Lead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	VIEW DATE: 10/24/96		
STATE LUST - State Leaking Underground Sto	rage Tank / SRC# 6545	EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
Facility ID:	01-0008			
Leak Report Date:	05/12/92	······································		
Site Assessment Plan Submitted:	05/12/92	······································	· ·	
Case Closed Date:	10/23/96		· · · ·	
Substance:	GASOLINE			
Remediation Event:	NO ACTION TAKEN	·····		
Remediation Status:	CASE CLOSED			
Media Affected:	OTHER GROUND WATER	· · · · · · · · · · · · · · · · · · ·		
Lead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE		· · · · ·	

VISTA Address*: ALAMEDA FOREIG 1726 PARK ST ALAMEDA, CA 94		VISTA ID#; Distance/Direction Plotted as;	8590396 0.12 MI / E	
STATE UST - State Underground St Agency Address:		EPA/Agency ID:	N/A	
Underground Tanks:	NOT REPORTED	<b>.</b>	•	
Aboveground Tanks:	NOT REPORTED			
Tanks Removed:	NOT REPORTED			



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #37

Tank ID:	10	Tank Status:	REMOVED
Tank Contents:	NOT AVAILABLE	Leak Monitoring:	NOT AVAILABLE
Tank Age:	NOT REPORTED	Tank Pipina:	NOTAVAILABLE
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOTAVAILABLE
I LOUIN OILO (OIIIIO).			

## SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)

Address*: 1800 PA	VES SONS RK ST A, CA 94501			VISTA ID#: Distance/Direction: Plotted as:	Point
ATE UST - State Unde		k / SRC# 52	75	EPA/Agency ID:	N/A
Agency Address: Jnderground Tanks:	igiouna ere ego	SAME AS ABC NOT REPORTE	DVE '		
Aboveground Tanks: Tanks Removed:		NOT REPORTE	ED	251401450	
Fank ID: Fank Contents: Fank Age: Fank Size (Units):	TOOTU NOT AVAILABLE NOT REPORTED NOT REPORTED (NOT AVA	ILABLE)	Tank Status: Leak Monitor Tank Piping: Tank Materia	NOT AVAILABL	E
VISTA UNKNO Address": 1800 PA ALAMEL	and a second			VISTA ID#: Distance/Direction Plotted as:	Point
TATE LUST - State Lea Agency Address:	king Underground St	Orage Tank UNKNOWN 1800 PARK ST ALAMEDA, C	τ	EPA/Agency ID:	N/A
Facility ID:		01-1559		· .	
Leak Report Date:		2/16/92			······································
Case Closed Date:		11/3/95			
Leak Cause: Leak Source:		STRUCTURE F	AILURE		· · ·
Substance:		GASOLINE		· · · · · · · · · · · · · · · · · · ·	
Substance: Remediation Event:		NO ACTION			
Substance: Remediation Event: Remediation Event:		NO ACTION STOP DATE: 2 TAKENENFOI	2/16/92HOW STOP RCEMENT DATE:	PPED: CLOSE TANKENFORC	EMENT: NONE
<b>Remediation Event:</b>		NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE	2/16/92HOW STOP RCEMENT DATE:	PPED: CLOSE TANKENFORC	ZEMENT: NONE
Remediation Event: Remediation Event:		NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE SOIL ONLY	2/16/92HOW STOF RCEMENT DATE: ED	PPED: CLOSE TANKENFORC	EMENT: NONE
Remediation Event: Remediation Event: Remediation Status: Media Affected: Lead Agency:		NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE	2/16/92HOW STOF RCEMENT DATE: ED NCY	PPED: CLOSE TANKENFORC	SEMENT: NONE
Remediation Event: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District:	ent:	NO ACTION STOP DATE: 1 TAKENENFOI CASE CLOSE SOIL ONLY LOCAL AGE SAN FRANCI	2/16/92HOW STOP RCEMENT DATE: D WCY ISCO BAY RE	PPED: CLOSE TANKENFORC	EMENT: NONE
Remediation Event: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comm	ent:	NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE SOIL ONLY LOCAL AGE SAN FRANCE COUNTY: AL	2/16/92HOW STOF RCEMENT DATE: D NCY ISCO BAY RE AMEDAXSTREET:R	EVIEW DATE: 8/24/94	DEMENT: NONE
Remediation Event: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comm STATE LUST - State Lec	ent: iking Underground Si	NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE SOIL ONLY LOCAL AGE SAN FRANCE COUNTY: AL	2/16/92HOW STOP RCEMENT DATE: D NCY ISCO BAY RE AMEDAXSTREET:R J SRC# 6545	EVIEW DATE: 8/24/94	
Remediation Event: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comm STATE LUST - State Leo Agency Address:	ent: king Underground S	NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE SOIL ONLY LOCAL AGE SAN FRANCI COUNTY: AL torage Tank	2/16/92HOW STOP RCEMENT DATE: D NCY ISCO BAY RE AMEDAXSTREET:R J SRC# 6545	EVIEW DATE: 8/24/94	
Remediation Event: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comm STATE LUST - State Lec	ent: iking Underground S	NO ACTION STOP DATE: 2 TAKENENFOI CASE CLOSE SOIL ONLY LOCAL AGE SAN FRANCI COUNTY: AL torage Tank SAME AS AB	2/16/92HOW STOP RCEMENT DATE: D NCY ISCO BAY RE AMEDAXSTREET:R J SRC# 6545	EVIEW DATE: 8/24/94	



Substance:	GASOLINE	
Remediation Event:	NO ACTION TAKEN	
Remediation Status:	CASE CLOSED	
Media Affected:	SOIL ONLY	
Lead Agency:	LOCAL AGENCY	
Region / District:	SAN FRANCISCO BAY RE	
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:	

VISTA CHEVRO				D#n	7032728	
Address*: 1801 PA	RK ST			<u>ce/Direction</u>	Point	
	A, CA 94501		Plotte		e di di di sette de	
ATE UST - State Unde	rground Storage Tan		EPA/A	gency ID:	N/A	
gency Address:		CHEVRON STN, #94463 1801 PARK ST				
		ALAMEDA, CA 94501				
Inderground Tanks:		NOT REPORTED		• •	-	
Aboveground Tanks:		NOT REPORTED		÷		
anks Removed:		NOT REPORTED			-	
Tank ID:	600018U	Tank Status		REMOVED		
ank Contents:	NOT AVAILABLE	Leak Monit	oring:	NOT AVAILABI		
Tank Age:	NOT REPORTED	Tank Piping		NOT AVAILABI		l
Tank Size (Units):	NOT REPORTED (NOT AVA			NOT AVAILAB		
	king Underground Sta	orage Tank / SRC# 6428	EPA/A	gency ID:	N/A	
Agency Address:		CHEVRON 1801 PARK ST				
	· •	ALAMEDA, CA		× .		
Facility ID:	·	01-2119				
Leak Report Date:		10/18/95				
Contamination Confi	rmed Date:	6/5/97				
Case Closed Date:		3/4/98				
Leak Cause:		UNKNOWN				
Leak Source:		UNKNOWN			· ·	
Substance:		GASOLINE				
Remediation Event:		STOP DATE: 10/18/95HOW SI DATE:	TOPPED: CL	OSE TANKENFOR	CEMENT:ENFOR	CEMENT
<b>Remediation Status:</b>		CASE CLOSED			· · · · ·	
Media Affected:		OTHER GROUND WATER				
Lead Agency:		LOCAL AGENCY	· · · ·	•		
Region / District:		SAN FRANCISCO BAY RE				
Description / Comm	ent:	COUNTY: ALAMEDAXSTREET:		TE: 3/6/98	·	
STATE LUST - State Lea	king Underground St	orage Tank / SRC# 6545	EPA//	Agency ID:	N/A	
Agency Address:	· · · · · · · · · · · · · · · · · · ·	CHEVRON 1801 PARK ST		ан (т. 1997) 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 — 1997 —		
		ALAMEDA, CA 94501		-		
Facility ID:		01-2119	· · ·		· · · · ·	
Leak Report Date:	· · · · · · · · · · · · · · · · · · ·	10/18/95			· · · · · · · · · · · · · · · · · · ·	
Contamination Cont	irmed Date:	06/05/97				
Case Closed Date:		03/04/98				
Substance:		GASOLINE	-			,



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, inc. at 1 - 800 - 767 - 0403. Date of Report: January 21, 2000 Page #39 Report ID: 839301903 Version 2.6.1

	SITES IN THE SURRO	DUNDING AREA (within 1/8	-1/4 n	NIƏ) CONT		
Remediation Status:		CASE CLOSED	·····	· · ·		
Media Affected:		OTHER GROUND WATER				
Lead Agency:						
Region / District:		SAN FRANCISCO BAY RE				
Description / Comm	ent:	COUNTY: ALAMEDAXSTREET:RL	EVIEW DAT	TE:		
Address*: • 1801 PA	R CHEVRON STATI ARK DA, CA 94501	ON #9	<u>VISTA</u> Distern Plotter	ce/Direction	7429392 0.17 Mi / NE Point	McD-ID 10B
CORTESE / SRC# 4840			Agend	cy ID:	01-2219	<u>en 1919 en 1819 (</u>
Agency Address:	•	SAME AS ABOVE				
List Name:	. •	LEAKING TANK				
Site ID:		01-2219		· · · · ·	· .	
Address*: 1801 P	ON #4463 ARK DA, CA 94501			and an and a second state of the second state	4013385 0.17 MI / NE Poinf	Mop D 10B
STATE UST - State Und	and the second description of the second	nk / SDC# 1610		gency ID:	N/A	
Agency Address:	algiound siolage ic	SAME AS ABOVE		gency iD.		
Underground Tanks:		3				
Aboveground Tanks		NOT REPORTED				
Tanks Removed:		NOT REPORTED				
Tank ID:	T001U	Tank Status:	····· ·	ACTIVE/IN SER	VICE	
Tank Contents:	UNLEADED GAS	Leak Monito	ning:	Agency Code	0	
Tank Age:	NOT REPORTED	Tank Piping:	-	FIBERGLASS		
Tank Size (Units):	10000 (GALLONS)	Tank Materie	al:	FIBERGLASS		
Tank ID:	10010	Tank Status:		ACTIVE/IN SER		
Tank Contents:	UNLEADED GAS	Leak Monita	oring:	Agency Code	<i>(</i> ).	
Tank Age:	NOT REPORTED	Tank Piping:		FIBERGLASS		
Tank Size (Units):	10000 (GALLONS)	Tank Materi	al:	FIBERGLASS		
Tank ID:	10010	Tank Status:		ACTIVE/IN SER		
Tank Contents:	UNLEADED GAS	Leak Monito	oring:	Agency Code	$\mathcal{O}$	
Tank Age:	NOT REPORTED	Tank Piping:		FIBERGLASS		
Tank Size (Units):	10000 (GALLONS)	Tank Materi	al:	FIBERGLASS		
Address 1825 P	OODE TOYOTA IN ARK DA, CA 94501		VISTA Diston Plotte	ce/Direction	4013392 0.18 Mi / NE Point	
STATE UST - State Unc	lerground Storage To		EPA/A	gency ID:	N/A	
Agency Address:		SAME AS ABOVE				
Underground Tanks		2				
Aboveground Tank	S:	NOT REPORTED				
Tanks Removed:		NOT REPORTED				



				,m,((1))))))))))))	andromanika andronika	
Tank ID:	1001U		Tank Status:		CLOSED REMO	
Tank Contents:	UNLEADED GAS		Leak Monito	ring:	Agency Code	$\mathcal{O}$
Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN	
Tank Size (Units):	550 (GALLONS)		Tank Materic	si:	UNKNOWN	
Tank ID:	1001U		Tank Status:		CLOSED REMO	OVED
Tank Contents:	OIL(NOT SPECIFIED)		Leak Monito	ring:	Agency Code	$\mathcal{O}$
Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN	
lank Size (Units):	200 (GALLONS)		Tank Materic	al:	UNKNOWN	
Address 1825 PA	DA, CA 94501			Plotte	ce/Direction d as:	Point
	erground Storage Tanl			EPA/A	gency ID:	N/A
Agency Address: Underground Tanks:	•	RON GOOD 1825 PARK S ALAMEDA, C NOT REPORT	T CA 94501 TED			
Aboveground Tanks		NOT REPORT				· .
Tanks Removed:		NOT REPORT				·
Tank ID:	14		Tank Status:		REMOVED	
Tank Contents:	NOT AVAILABLE		Leak Monito	ring:	NOT AVAILABL	E
Tank Age:	NOT REPORTED		Tank Piping:		NOT AVAILABL	E
[ank Size (Units):	NOT REPORTED (NOT AVAIL	ABLE)	Tank Materia	al:	NOT AVAILABL	E
TATE LUST - State Lea	king Underground Sto			EPA/A	Agency ID:	N/A
Agency Address:		RON GOOD 1825 PARK S ALAMEDA, C	T			
Facility ID:		01-1258	·····	·		
Leak Report Date:		12/27/90				
Site Assessment Beg	an:	12/31/91				
Case Closed Date:		1/10/97				
Leak Cause:		STRUCTURE P	AILURE			- -
Leak Source:		TANK	· · · · · · · · · · · · · · · · · · ·			· · ·
Substance:		WASTE OIL				
Remediation Event:		NO ACTION	TAKEN			
Remediation Event:		TAKENENFO	12/27/90HOW STC RCEMENT DATE:	OPPED: CL	OSE TANKENFOR	CEMENT: NONE
<b>Remediation Status:</b>	· ·	CASE CLOSE				
Media Affected:			UND WATER			· · ·
Lead Agency:		LOCAL AGE	NCY			
Region / District:		SAN FRANCI	ISCO BAY RE			· .
Description / Comm	ent:	COUNTY: AL	AMEDAXSTREET:R	EVIEW DA	TE: 8/18/97	
	king Underground Sto	rage Tank	/ SRC# 6545	EPA//	Agency ID:	N/A
Agency Address:		RON GOOD 1825 PARK S ALAMEDA, C	E TOYOTA		· <u>···············</u>	<u> </u>
Facility ID:		01-1258				
Leak Report Date:		12/27/90				
Site Assessment Beg	jan:	12/31/91				······································
¥						



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Case Closed Date:	01/10/97
Substance:	WASTE OIL
Remediation Event:	NO ACTION TAKEN
Remediation Status:	CASE CLOSED
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

NOT REPORTED

VISTA Address*: 2405 EAGLE AVE ALAMEDA, CA 94501		VISTA ID#: Distance/Direction Plotted as:	486927 0.17 Mi / NE Point	Mop ID IOC
RCRA-Violations / SRC# 6379		EPA ID:	CAD981159163	
Agency Address:	SAME AS ABOVE			
Violation Type:	GENERATOROTHER REQUIREN	MENTS		-
Violation Date:	JUNE 23, 1986			
Violation Class:	2			
Actual Compliance Date:	NOT REPORTED		· · · ·	

Scheduled Compliance Date: VISTA MEDD Addre

MERRITTIRE	VISTA ID#:	929701	MapID
ess*: 2501 SANTA CLARA	Distance/Direction	0.17 MI / SE	
ALAMEDA, CA 94501	Plotted as:	Point	
UST - State Underground Storage Tank / SRC# 1612	FPA/Agency ID:	N/A	<del>[</del>

STATE UST - State Und	erground Storage To	ank / SRC# 1612	EPA//	Agency ID:	N/A	
Agency Address:		SAME AS ABOVE				
Underground Tanks:		4				
Aboveground Tanks	5.	NOT REPORTED				
Tanks Removed:		NOT REPORTED				
Tank ID:	0010	Tank Sta	tus:	ACTIVE/IN SE	RVICE	
Tank Contents:	UNLEADED GAS	Leak Ma	nitoring:	Agency Cod	e(')	
Tank Age:	NOT REPORTED	Tank Pip	ing:	UNKNOWN		
Tank Size (Units):	5000 (GALLONS)	Tank Ma	terial:	UNKNOWN		
Tank ID:	0010	Tank Sta	tus:	ACTIVE/IN SE	RVICE	
Tank Contents:	UNLEADED GAS	Leak Ma	nitoring:	Agency Cod	e()	
Tank Age:	NOT REPORTED	Tank Pip	ing:	UNKNOWN		
Tank Size (Units):	5000 (GALLONS)	Tank Ma	terlal:	UNKNOWN		
Tank ID:	001U	Tank Sta	tus:	ACTIVE/IN SE	RVICE	
Tank Contents:	LEADED GAS	Leak Ma	nitoring:	Agency Cod	θ()	
Tank Age:	NOT REPORTED	Tank Pip	ing:	UNKNOWN		
Tank Size (Units):	5000 (GALLONS)	Tank Ma	terial:	UNKNOWN		
Tank ID:	0010	Tank Sta	tus:	ACTIVE/IN SE	RVICE	
Tank Contents:	OIL(NOT SPECIFIED)	Leak Ma	nitoring:	Agency Cod	'e('')	•
Tank Age:	NOT REPORTED	Tank Pip	-	UNKNOWN		
Tank Size (Units):	250 (GALLONS)	Tank Ma	-	UNKNOWN		



SITES IN THE SURROUNDING AREA (within 1/8 = 1/4 mile) CONT. STATE UST - State Underground Storage Tank / SRC# 5275 EPA/Agency ID: N/A MERRITT TIRE OF ALAMEDA Agency Address: 2501 SANTA CLARA AVE ALAMEDA, CA 94501 **Underground Tanks:** NOT REPORTED NOT REPORTED Aboveground Tanks: NOT REPORTED Tanks Removed: 0010 REMOVED Tank ID: Tank Status: NOT AVAILABLE NOT AVAILABLE Tank Contents: Leak Monitoring: NOT REPORTED NOT AVAILABLE Tank Age: Tank Pipina: NOT REPORTED (NOT AVAILABLE) NOT AVAILABLE Tank Size (Units): Tank Material: MapiD VISTA 11499307 COODMAN PROPERTY VISTA ID#: Address\*: Distance/Direction 0.17 MI / SE 2501 SANTA CLARA AVE Plotted as: Point ALAMEDACOA 92501 STATE LUST - State Leaking Underground Storage Tank / SRC# 6428 N/A EPA/Agency ID: GOODMAN PROPERTY Agency Address: 2501 SANTA CLARA AVE ALAMEDA, CA 01-0964 Facility ID: 8/17/92 Leak Report Date: Contamination Confirmed Date: 9/23/92 5/28/97 Case Closed Date: STRUCTURE FAILURE Leak Cause: TANK Leak Source: GASOLINE Substance: EXCAVATE AND DISPOSE **Remediation Event:** STOP DATE: 5/25/88HOW STOPPED: CLOSE TANKENFORCEMENT: **Remediation Event:** WARNINGENFORCEMENT DATE: 9/23/92 CASE CLOSED **Remediation Status:** OTHER GROUND WATER Media Affected: LOCAL AGENCY Lead Agency: SAN FRANCISCO BAY RE **Region / District:** COUNTY: ALAMEDAXSTREET:REVIEW DATE: 6/3/97 **Description / Comment:** STATE LUST - State Leaking Underground Storage Tank / SRC# 6545 EPA/Agency ID: N/A SAME AS ABOVE Agency Address: 01-0964 Facility ID: 08/17/92 Leak Report Date: 09/23/92 **Contamination Confirmed Date:** 05/28/97 **Case Closed Date:** GASOLINE Substance: EXCAVATE AND DISPOSE **Remediation Event:** CASE CLOSED **Remediation Status:** Media Affected: OTHER GROUND WATER LOCAL AGENCY Lead Agency: SAN FRANCISCO BAY RE **Region / District:** COUNTY: ALAMEDAXSTREET:REVIEW DATE: **Description / Comment:** 



AUTOMOTIVE AUTO REI	PAIR	VISTA ID#; Distance/Direction:	929686 0.19 MI / S
State 1 = 1 = 1 = 24.17.45 = 24.11 ≤ 1.11 ≤ 1.21 = 1.51 ≤ 1.21 = 1.541		Plotted as:	Point
ALAMEDA, CA 94501		EPA/Agency ID:	N/A
ATE LUST - State Leaking Underground Agency Address:	AUTOMOTIVE AUTO REPAIR 2425 CENTRAL AVE	TEPA/Agency ID.	
	ALAMEDA, CA		
Facility ID:	01-0139	······································	
Leak Report Date:	10/27/88		
Site Assessment Plan Submitted:	1/29/88		·
Site Assessment Began:	2/8/88		······································
Case Closed Date:	3/6/96	· .	
Leak Cause:	STRUCTURE FAILURE		
Leak Source:	TANK	-	
Substance:	GASOLINE		
Remediation Event:	NO ACTION TAKEN		1
Remediation Event:	STOP DATE: 2/3/88HOW STOP TAKENENFORCEMENT DATE:	PED: CLOSE TANKENFORCE	MENT: NONE
Remediation Status:	CASE CLOSED		
Media Affected:	OTHER GROUND WATER		
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 8/7/96	
TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE	·	
Facility ID:	01-0139		
Leak Report Date:	10/27/88		
Site Assessment Plan Submitted:	01/29/88	· · · · · · · · · · · · · · · · · · ·	
Site Assessment Began:	02/08/88		
Case Closed Date:	03/06/96		·
Substance:	GASOLINE		
Remediation Event:	NO ACTION TAKEN		
Remediation Status:	CASE CLOSED	······································	
Media Affected:	OTHER GROUND WATER	·····	· · · · · · · · · · · · · · · · · · ·
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	REVIEW DATE:	
	······································		
VISTA STAHL WOODRIDGE C	ONSTRUCTION	VISTA ID#:	5353490
Address*: 2428 CENTRAL AVE		Distance/Direction	
ALAMEDA, CA 94501		Plotted as:	Point
STATE LUST - State Leaking Undergroun	d Storago Tapk / SDC# 6428	EPA/Agency ID:	N/A

STATE LUST - State Leaking Underg	round Storage Tank / SRC# 6428 EPA/Agency ID: N/A
Agency Address:	STAHL WOODRIDGE CONSTRUCTION 2428 CENTRAL AVE ALAMEDA, CA
Facility ID:	01-1845
Leak Report Date:	6/21/93
Site Assessment Began:	6/16/93



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ID ID

Leak Cause:	UNKNOWN
Leak Source:	TANK
Substance:	DIESEL
Remediation Event:	NO ACTION TAKEN
Remediation Event:	STOP DATE:HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 8/6/93
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 1/15/99
TATE LUST - State Leaking Undergro	und Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	SAME AS ABOVE
Facility ID:	01-1845
Leak Report Date:	06/21/93
Site Assessment Began:	06/16/93
Substance:	DIESEL
Remediation Event:	NO ACTION TAKEN
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

VISTA		VISTA ID#:	5353489	Map ID
Address*: 2428 CENTRAL		Distance/Direction	0.19 MI / S	
ALAMEDA, CA 94501		Plotted as:	Point	12
CORTESE / SRC# 4840		Agency ID:	01-1845	<u> Hara ta /u>
Agency Address:	SAME AS ABOVE			
List Name:	LEAKING TANK			
Site ID:	01-1845			

Address*: 1347 P	<b>NT BUILDING ARK ST :DA, CA 94501</b>	Ð	STA ID#: stance/Direction: otted as:	8590393 0.20 MI / S Point	Map II 13
STATE UST - State Und	lerground Storage Tank / SRC	C# 5275 EP	A/Agency ID:	N/A	and an an a
Agency Address:	SAME	AS ABOVE			
<b>Underground Tanks</b>	NOT RL	EPORTED			
Aboveground Tank	s: NOT RE	EPORTED			
Tanks Removed:	NOTRE	EPORTED			
Tank ID:	1001U	Tank Status:	REMOVED		
Tank Contents:	NOT AVAILABLE	Leak Monitoring	NOT AVAILABL	E	
Tank Age:	NOT REPORTED	Tank Piping:	NOT AVAILABL	E	
Tank Size (Units):	NOT REPORTED (NOT AVAILABLE)	Tank Material:	NOT AVAILABL	£ .	ļ



TATE LUST - State Leak	ing onderground	VACANT BU			gency ID:	N/A
Agency Address:	· ·	1347 PARK				
		ALAMEDA, ( 01-2386	CA			
Facility ID:		11/21/95		·	<u>-</u>	
Leak Report Date:						
Leak Cause:		UNKNOWN UNKNOWN				
Leak Source:		DIESEL		·····		
Substance:	·····		HOW STOPPED:E		NTICHEODOCINE	
Remediation Event:				•••••••••		
Remediation Status:		SOIL ONLY	RY SITE ASSESSME	INI UNDERW	Ar	<u>.</u>
Media Affected:		LOCALAGE			-	
Lead Agency:			SISCO BAY RE			
Region / District:	· · · ·		LAMEDAXSTREET	DEMENION	15. 7/7/00	······
Description / Comme						
TATE LUST - State Leak	ing underground	Storage Tank		D IEPA/A	gency ID:	N/A
Agency Address:		01-2386	107FL .			
Facility ID:		11/21/95	· · · · · · · · · · · · · · · · · · ·			
Leak Report Date: Substance:		DIESEL		······		
			RY SITE ASSESSME		/AY	
Remediation Status:		SOIL ONLY			· · · · · · · · · · · · · · · · · · ·	
Media Affected:		LOCALAGE	FNCY			
Lead Agency: Region / District:			SISCO BAY RE			
Description / Comme			LAMEDAXSTREET	PEVIEW DA	7F.	
Description / Comme						
MISTA OWNER/	OPERATOR			VISTA	D#:	8573845
ter bei er big benne er ter big er ber bit bit er bit at bit ter bit	R CLEMENT			Distar	ce/Direction	1:0.20 ML/ NE
	A. CA 94501			Plotte	d as:	Point
TATE UST - State Unde		ank / SRC# 5	275	FPA/A	gency ID:	N/A
Agency Address:	ground slowgo i	SAME AS AL		1-1-1-1-1-1	.gono, io.	<u> </u>
Underground Tanks:		, <b>1</b>				
Aboveground Tanks:		NOT REPOR	TED			•
Tanks Removed:		NOT REPOR	TED			
	0100600		Tank Statu	s:	OTHER	·····
	NOT AVAILABLE	•	Leak Moni		NOT AVAILAE	LE
	NOT REPORTED		Tank Pipin	-	NOT AVAILAB	DLE
	NOT REPORTED (NOT A	VAILABLE)	Tank Mate	-	NOT AVAILAB	DLE
TATE UST - State Unde	······		and the second		gency ID:	N/A
Agency Address:	Storing officiage 1	OWNER/OF			Sonoyio	1.4/1
ngonoy nadiosa		MULBERRY	ST CLEMENT			
Underground Tention		ALAMEDA, 2	CA 94501			
Underground Tanks:		2 NOT REPOR	RTED		÷	
Aboveground Tanks:						



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Map ID

ank ID:	010060U		Tank Status:		OTHER		
	NOT AVAILABLE	•	Leak Monitor	ina.	NOT AVAILABL	E	
	NOT REPORTED		Tank Piping:	ing.	NOT AVAILABL		
	NOT REPORTED (NOT AVAI	LABLE)	Tank Materia	ŀ	NOT AVAILABL		
ATE UST - State Unde	raround Storage Tan	k / SRC# 52			gency ID:	N/A	
Agency Address: Inderground Tanks:		OWNER/OPE 2310 CLEME ALAMEDA, C NOT REPORT	ERATOR NT AVE CA 94501		Serier 121	<u></u>	
Aboveground Tanks:		NOT REPORT					
anks Removed:	•	NOT REPORT	ED			•	
ank ID:	010060U		Tank Status:	·····	OTHER		
ank Contents:	NOTAVAILABLE		Leak Monitor	ina:	NOT AVAILABL	E.	
	NOT-REPORTED		Tank Piping:		NOT AVAILABL	E	
ank Size (Units):	NOT REPORTED (NOT AVAI	LABLE)	Tank Materia	ł:	NOT AVAILABL	E	<b>.</b>
Address*:: 2521 CE	A, CA 94501	/ SDC# 14	112	Distorn Plottex	D#: ce/Direction d as: gency ID:	4222471 0.22 ML/S Point N/A	
Agency Address:	igiound sloudge iun	SAME AS AB		CFAIA	Gency ID.		
Inderground Tanks:		1					
Aboveground Tanks:		NOT REPORT	TED				
anks Removed:		NOT REPORT	ED ·				
ank ID:	510062U		Tank Status:		CLOSED REMO	OVED	
ank Contents:	OIL(NOT SPECIFIED)		Leak Monitor	ing:	Agency Code	0	
ank Age:	NOT REPORTED		Tank Piping:		BARE STEEL		
ank Size (Units):	1500 (GALLONS)		Tank Materia	l:	BARE STEEL		
ATE UST - State Unde	rground Storage Tan			EPA/A	gency ID:	N/A	
Agency Address: Inderground Tanks:		CELIA HARRI 2521 CENTRI ALAMEDA, C NOT REPORT	AL AVE CA 94501				
Aboveground Tanks:		NOT REPORT					
anks Removed:	·	NOT REPORT	ED				
ank ID:	5100620		Tank Status:		REMOVED		
ank Contents:	NOTAVAILABLE		Leak Monitor	ing:	NOT AVAILABL		
ank Age:	NOT REPORTED		Tank Piping:		NOT AVAILABL	-	
ank Size (Units):	NOT REPORTED (NOT AVAI		Tank Materia		NOT AVAILABL		
ATE LUST - State Leal	cing Underground Sto			EPA/A	gency ID:	N/A	
Agency Address:		CELIA HARRI 2521 CENTRI ALAMEDA, C	ALAVE				
acility ID:		01-1750 ' 4/30/93			······	· · · · · · · · · · · · · · · · · · ·	
eak Report Date:		4/30/93			<del> </del>		
							1



Leak Cause:	UNKNOWN
Leak Source:	TANK
Substance:	DIESEL
Remediation Event:	EXCAVATE AND DISPOSE
Remediation Event:	STOP DATE: 4/3/93HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 5/4/93
Remediation Status:	CASE CLOSED
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 8/18/93
STATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	CELIA HARRIS TRUST 2521 CENTRAL AVE ALAMEDA, CA 94501
Facility ID:	01-1750
Leak Report Date:	04/30/93
Contamination Confirmed Date:	05/04/93
Case Closed Date:	06/26/93
Substance:	DIESEL
Remediation Event:	EXCAVATE AND DISPOSE
Remediation Status:	CASE CLOSED
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
	COUNTY: ALAMEDAXSTREET: REVIEW DATE:

Address*: 2235 C	NT AVENUE PROJECT LEMENT AVE DA, CA 94501		VISTA ID#: Distance/Directio Plotted as:	1145638 n: 0.23 MI / N Point	Map ID 16A
STATE UST - State Und	erground Storage Tank /	SRC# 5275	EPA/Agency ID:	N/A	
Agency Address: Underground Tanks:		LEMENT AVENUE PROPERTY 241 CLEMENT AVE 24MEDA, CA 94501 OT REPORTED			
Aboveground Tank		OT REPORTED			
Tanks Removed:		OT REPORTED			
Tank ID:	τοοιυ	Tank Status:	REMOVED	· · ·	]
Tank Contents:	NOT AVAILABLE	Leak Monitor	ing: NOTAVAILA	BLE	$\mathbf{x} = \mathbf{r} + \mathbf{r}$
Tank Age:	NOT REPORTED	Tank Piping:	NOTAVAILA	BLE	
Tank Size (Units):	NOT REPORTED (NOT AVAILAB	Tank Materia	I: NOTAVAILA	BLE	
	king Underground Stora	ge Tank / SRC# 6428	EPA/Agency ID:	N/A	].
Agency Address:	C. 22	LEMENT AVENUE PROJECT 241 CLEMENT AVE LAMEDA, CA			
Facility ID:	. Oi	1-0429			· ·
Leak Report Date:	5/	/11/89			
Case Closed Date:	3/	16/96		·	



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Leak Cause:	STRUCTURE FAILURE
Leak Source:	TANK
Substance:	WASTE OIL
Remediation Event:	STOP DATE: 5/19/89HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE:
Remediation Status:	CASE CLOSED
Media Affected:	SOIL ONLY
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 8/7/96
STATE LUST - State Leaking Undergr	ound Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	CLEMENT AVENUE PROJECT 2241 CLEMENT AVE ALAMEDA, CA 94501
Facility ID:	01-0429
Leak Report Date:	05/11/89
Case Closed Date:	03/16/96
Substance:	WASTE OIL
Remediation Status:	CASE CLOSED
Media Affected:	SOIL ONLY
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

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Address*: 2235 C	nce sheet strip Clement Eda, ca 94501	COMPANY.	VISTA ID#: Distance/Direction Plotted as:	1228566 19.25 MI / N Point	мар ID <b>16В</b>	
STATE UST - State Und		Tank / SRC# 1612	EPA/Agency ID:	N/A	<u>alang pasi ting</u>	
Agency Address:		SAME AS ABOVE				
<b>Underground Tanks</b>		1				
Aboveground Tank	s:	NOT REPORTED				
Tanks Removed:	· .	NOT REPORTED				
Tank ID:	T001U	Tank Status:	CLOSED REM	OVED		
Tank Contents:	LEADED GAS	Leak Monito	ning: Agency Code	$\mathcal{O}$		
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN			
Tank Size (Units):	I (GÁLLONS)	Tank Materi	al: BARE STEEL	· · · · · · · · · · · · · · · · · · ·	]	

VISTA ALAMEDA CITY UNIFIED Address*: 2200 CENTRAL AVE ALAMEDA, CA 94501	DISCH DIST	VISTA ID#: Distance/Direction Plotted as:	10274 0.23 Mi / W Point	
STATE LUST - State Leaking Underground	d Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	ALAMEDA UNIFIED SCHOOL D. 2200 CENTRAL AVE ALAMEDA, CA			
Facility ID:	01-0043			
Leak Report Date:	7/10/92			
Site Assessment Began:	7/24/92			
Contamination Confirmed Date:	8/31/92			



Case Closed Date:	8/11/93
Leak Cause:	CORROSION
Leak Source:	TANK
Substance:	DIESEL
Remediation Event:	EXCAVATE AND DISPOSE
Remediation Event:	STOP DATE: 1/10/92HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 8/31/92
Remediation Status:	CASE CLOSED
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 11/18/93
STATE LUST - State Leaking Undergroun	d Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	ALAMEDA UNIFIED SCHOOL DISTRIC 2200 CENTRAL AVE ALAMEDA, CA 94501
Facility ID:	01-0043
Leak Report Date:	07/10/92
Site Assessment Began:	07/24/92
Contamination Confirmed Date:	08/31/92
Case Closed Date:	08/11/93
Substance:	DIESEL
Remediation Event:	EXCAVATE AND DISPOSE
Remediation Status:	CASE CLOSED
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

Address*: 2	IISTORIC ALAMEDA H 200 CENTRAL AVE NAMEDA, CA 94501	IGH SCHOC	) <b>L</b>	VISTA ID#: Distance/Direction Plotted as:	8574503 0.23 Mi / W Point
the start have been and the start have been been and the	ite Underground Storage	• Tank / SRC#	5275	EPA/Agency ID:	N/A
Agency Add	ress:	SAME AS	ABOVE		
Underground	Tanks:	NOT REPO	ORTED		
Aboveground	d Tanks:	NOT REPO	ORTED	•	
Tanks Remov	ed:	NOT REPO	ORTED		
Tank ID:	<b>TOO</b> 1U		Tank Status:	REMOVED	
Tank Content	s: NOT AVAILABLE		Leak Monito	ring: NOT AVAILAB	LE
Tank Age:	NOT REPORTED		Tank Piping:	NOTAVAILAB	LE
Tank Size (Un	its): NOT REPORTED (NO	TAVAILABLE)	Tank Materia	al: NOT AVAILAB	LE



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MSIALEST	CALAMEDA HCH	sellool		VISTA I	<b>34</b>	3781271	MapiD
						0.23 MI / W	
	DALCA 92501.			Pottec		Point	17
STATE UST - State Unde		/ CDC# 14	10			N/A	
Agency Address:	ngiouna siolage taili	SAME AS ABO		EPA/A	gency ID:		-
Underground Tanks:		2					
Aboveground Tanks:		NOT REPORT	ED			а. Та	
Tanks Removed:		NOT REPORT					
Tank ID:	1001U		Tank Status:		CLOSED REMO	OVED	4
Tank Contents:	OIL(NOT SPECIFIED)		Leak Monitor	ina:	Agency Code		
Tank Age:	NOT REPORTED		Tank Piping:	"'y.	BARE STEEL		t.
Tank Size (Units):	2500 (GALLONS)		Tank Materia	Ŀ	BARE STEEL		
Tank ID:	10010		Tank Status:		CLOSED REMO	OVED	1
Tank Contents:	OIL(NOT SPECIFIED)		Leak Monitor	ina:	Agency Code	$\mathcal{O}^{(1)}$	1
Tank Age:	NOT REPORTED		Tank Piping:		BARE STEEL	•	
Tank Size (Units):	2500 (GALLONS)		Tank Materia	t:	BARE STEEL		
free							
	DODE TOYOTA			VISTAI	111101020001000 11 x 198 1 10: 1 D. D.	4022257	Map ID
Address*: 2424 Cl	EMENT					0.23 MI / NE	
ALAME	DA, CA 94501			Plottec	l as:	Point	
STATE UST - State Unde	arground Storage Tanl	k / SRC# 16	12	EPA/A	gency ID:	N/A	
Agency Address:		SAME AS ABO	OVE				1
Underground Tanks:		2					
Aboveground Tanks:		NOT REPORT	ED				
Tanks Removed:		NOT REPORT	ED				
Tank ID:	<i>1001U</i>		Tank Status:		ACTIVE/IN SER	VICE	
Tank Contents:	UNKNOWN		Leak Monitor	ing:	Agency Code	$\mathcal{O}$	
Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN		
Tank Size (Units):	3000 (GALLONS)		Tank Materia	l:	UNKNOWN		
Tank ID:	T001U		Tank Status:		ACTIVE/IN SER		
Tank Contents:	UNKNOWN		Leak Monitor	ing:	Agency Code	$\mathcal{O}$	
. Tank Age:	NOT REPORTED		Tank Piping:		UNKNOWN		
Tank Size (Units):	4000 (GALLONS)		Tank Materia	<u>l:</u>	UNKNOWN		
STATE UST - State Unde	ərground Storage Tanl			EPA/A	gency ID:	N/A	1
Agency Address:		RON GOODE 2424 CLEMEN	TOYOTA, INC.	•			
		ALAMEDA, C					ŀ
Underground Tanks:		NOT REPORT	ED				
Aboveground Tanks	•	NOT REPORT	ED				
Tanks Removed:		NOT REPORT	ED				
Tank ID:	1001U		Tank Status:		REMOVED		
Tank Contents:	NOT AVAILABLE		Leak Monitor	ing:	NOTAVAILABL	E	
Tank Age:	NOT REPORTED		Tank Piping:	-	NOT AVAILABL	E	
Tank Size (Units):	NOT REPORTED (NOT AVAIL	LABLE)	Tank Materia	l:	NOT A VAILABL	E	
			······	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			-



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #51

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VISTA Address*: 1911 PARK ST ALAMEDA, CA 94501	REPAIR INC	VISTA ID#: Distance/Direction Plotted as:	10268 0.24 MI / NE Point	Map II.
TATE LUST - State Leaking Underground	1 Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	ALAMEDA COLLISION 1911 PARK ST ALAMEDA, CA	1		
Facility ID:	01-0042	· ·		
Leak Report Date:	6/20/88			
Site Assessment Plan Submitted:	12/18/92			1
Case Closed Date:	6/2/94			· .
Leak Cause:	STRUCTURE FAILURE			
Leak Source:	TANK		•	
Substance:	GASOLINE	·		1.
Remediation Event:	NO ACTION TAKEN	······································		-
Remediation Event:	STOP DATE: 6/20/88HOW STOP TAKENENFORCEMENT DATE:	PPED: CLOSE TANKENFORC	MENT; NONE	
Remediation Status:	CASE CLOSED	······		]
Media Affected:	OTHER GROUND WATER			1
Lead Agency:	LOCAL AGENCY			1
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	VIEW DATE: 12/13/94	······································	1
TATE LUST - State Leaking Underground	Storage Tank / SRC# 6545	EPA/Agency ID:	N/A	
Agency Address:	ALAMEDA COLLISION 1911 PARK ST ALAMEDA, CA 94501			
Facility ID:	01-0042			
Leak Report Date:	06/20/88	···		
Site Assessment Plan Submitted:	12/18/92	· · · ·		
Case Closed Date:	06/02/94	<b></b>	· · ·	
Substance:	GASOLINE		· · · · · · · · · · · · · · · · · · ·	
Remediation Event:	NO ACTION TAKEN	· · · · · · · · · · · · · · · · · · ·		
Remediation Status:	CASE CLOSED	·		
Media Affected:	OTHER GROUND WATER			
Lead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE			

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)

VISTA PARK ST LANDING		VISTA ID#:	4222386	
Address*: 2301 BLANDING	轉換 计数据通知 计分子 化分子 化分子化分子 法法公司公司 计分子	Distance/Direction	on: 0.29 MI / NE	
ALAMEDA, CA 94	501	Plotted as:	Point	
CORTESE / SRC# 4840		Agency ID:	01-1703	1
Agency Address:	SAME AS ABOVE			1
List Name:	LEAKING TANK			
Site ID:	01-1703			ł



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<i>•</i> <b>C</b>		<u>N/A</u>
Æ,		
1747 1.74 March 1.74 M		
	•	
DHOW STOPPED: CLOS NT DATE:	E TANKENFOR	CEMENT: NONE
AT SIGHT, BUT NOT CC	WF	
•		
-		
AYRE		
AXSTREET:REVIEW DATE	:: 7/13/93	
C# 6545 EPA/Aç	gency ID:	N/A
Æ 01		
AT SIGHT, BUT NOT CO	WF	······································
	······	
AYRE		
AXSTREET:REVIEW DATE	<u>5</u>	
VISTA II	<b>D#:</b>	6531934
		n: 0.25 MI / N
Plotted	QS;	Point
C# 6271 EPA/A	gency ID:	N/A
F		
MEDA		
	<u> </u>	
		8576918
A/	AMEDA	AMEDA

Map ID 19

Map ID

16

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Facility ID:

Agency Address:

ALAMEDA, CA 94501

STATE LUST - State Leaking Underground Storage Tank / SRC# 6428 EPA/Agency ID:

ALAMEDA LOCK GLASS 2301 ENCINAL AVE

ALAMEDA, CA 01-2384

 VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Page #53

Plotted as:

Point

N/A

Leak Report Date:	5/2/96
Leak Cause:	UNKNOWN
Leak Source:	UNKNOWN
Substance:	GASOLINE
Remediation Event:	STOP DATE:HOW STOPPED:ENFORCEMENT:ENFORCEMENT DATE:
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 12/12/97
STATE LUST - State Leaking Undergr	ound Storage Tank / SRC# 6545 EPA/Agency ID: N/A
Agency Address:	SAME AS ABOVE
Facility ID:	01-2384
Leak Report Date:	05/02/96
Substance:	GASOLINE
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

VISTA ID#: 4222555 Distance/Direction: 0.28 MI / S

Map ID

P)

Page #54

ALAMEDA FIRE DEPARTMENT 2401 ENCINAL AVE VISTA Address\*:

AND STATE 240 FILENCINAL AVE. 14		Instance/pliection	Te and the second of the second s
ALAMEDA, CA 94501		Plotted as:	Point
TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6428	EPA/Agency ID:	N/A
Agency Address:	ALAMEDA FIRE DEPARTMENT 2401 ENCINAL AVE		
	ALAMEDA, CA		
Facility ID:	01-1708		
Leak Report Date:	8/22/90		
Contamination Confirmed Date:	4/27/92		
Case Closed Date:	6/9/93		
Leak Cause:	UNKNOWN		
Leak Source:	TANK	•	
Substance:	DIESEL	· .	
Remediation Event:	EXCAVATE AND TREAT		
Remediation Event:	STOP DATE: 6/1/90HOW STOP WARNINGENFORCEMENT DAT		EMENT:
Remediation Status:	CASE CLOSED		
Media Affected:	SOIL ONLY		
Lead Agency:	LOCAL AGENCY	· · · · · · · · · · · · · · · · · · ·	
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	EVIEW DATE: 8/18/93	· · · · · · · · · · · · · · · · · · ·
TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1708		
Leak Report Date:	08/22/90		



Contamination Confirmed Date:	04/27/92
Case Closed Date:	06/09/93
Substance:	DIESEL
Remediation Event:	EXCAVATE AND TREAT
Remediation Status:	CASE CLOSED
Media Affected:	SOIL ONLY
Lead Agency:	LOCAL AGENCY
Region / District:	SAN FRANCISCO BAY RE
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:

VSPANESE PALAMEDA CELLARS		VISTA ID#:	1584361	Map
Address* 2425 ENCINAL		Distance/Direction		
ALAMEDA, CA 94501		Plotted as:	Point	20
CORTESE / SRC# 4840		Agency ID:	01-0039	
Agency Address:	ALAMEDA CELLARS	-		
•	2425 ENCINAL ALAMEDA, CA			
List Name:	LEAKING TANK			
Site ID:	01-0039			
STATE LUST - State Leaking Underground	Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	]
Agency Address:	ALAMEDA CELLARS			
	2425 ENCINAL AVE ALAMEDA, CA			
Facility ID:	01-0039			
Leak Report Date:	11/1/95		<u></u>	1
Contamination Confirmed Date:	4/27/92			1
Case Closed Date:	8/12/99			1
Leak Cause:	STRUCTURE FAILURE	· · · · · · · · · · · · · · · · · · ·		1
Leak Source:	TANK			
Substance:	GASOLINE			1
Remediation Event:	EXCAVATE AND DISPOSE			1
Remediation Event:	STOP DATE: 3/1/90HOW STOP WARNINGENFORCEMENT DA		EMENT:	
Remediation Status:	CASE CLOSED			
Media Affected:	OTHER GROUND WATER			] '
Lead Agency:	LOCAL AGENCY		- 1	
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:	REVIEW DATE: 9/8/99	· .	
STATE LUST - State Leaking Underground		EPA/Agency ID:	N/A	1.
Agency Address:	ALAMEDA CELLARS			
	2425 ENCINAL AVE ALAMEDA, CA 94501			
Facility ID:	01-0039		<b>`</b>	
Leak Report Date:	11/01/95	· · · · · · · · · · · · · · · · · · ·	· · ·	1
Contamination Confirmed Date:	04/27/92	-		1
Case Closed Date:	08/12/99			1
Substance:	GASOLINE	· · · · · · · · · · · · · · · · · · ·	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	1
Remediation Event:	EXCAVATE AND DISPOSE			1
Remediation Status:	CASE CLOSED			1



Media Affected;	OTHER GROUND WATER	· · · ·	]	
and the second	LOCAL AGENCY			
Lead Agency:	SAN FRANCISCO BAY RE			
Region / District:	COUNTY: ALAMEDAXSTREET:RE	WEW DATE		
Description / Comment:				
VISTA ALLIED ENGINEERING AN Address*; 2421 BLANDING AVE ALAMEDA, CA 94501	ND PROD CO	VISTA 1D#: Distance/Direction Plotted as:	<u>13043</u> 0.30 Mi / NE Point	Mor 21
TATE LUST - State Leaking Underground			N/A	
Agency Address:	ALLIED ENGINEERING PRODUC 2421 BLANDING AVE ALAMEDA, CA	CTCORP		•
Facility ID:	0150055			
Remediation Status:	INACTIVE			
Description / Comment:	FAC COUNTY: ALAMEDA			
			3781216	Мар
VISTA ALAMEDA ELECTRIC Address": 2420 BLANDING ALAMEDA, CA 94501		VISTA ID#: Distance/Direction Plotted as:	The second	2
TATE LUST - State Leaking Underground		EPA/Agency ID:	N/A	
Agency Address:	ALAMEDA ELECTRIC 2420 BLANDING AVE ALAMEDA, CA			
Facility ID:	01-0294			
Leak Report Date:	6/2/92			
Contamination Confirmed Date:	12/16/92			
Case Closed Date:	6/2/93			•
Leak Cause:	STRUCTURE FAILURE	· · · · ·		
Leak Source:	TANK			
Substance:	GASOLINE			
Remediation Event:	EXCAVATE AND DISPOSE		<i>,</i>	
Remediation Event:	STOP DATE: 6/2/92HOW STOPF WARNINGENFORCEMENT DAT		MENT:	
Remediation Status:	CASE CLOSED			
Media Affected:	OTHER GROUND WATER			
Lead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE			•
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE			
TATE LUST - State Leaking Underground		EPA/Agency ID:	N/A	
Agency Address:	ALAMEDA ELECTRIC 2420 BLANDING AVE ALAMEDA, CA 94501			
Facility ID:	01-0294			
Leak Report Date:	06/02/92	· · · · · · · · · · · · · · · · · · ·		
Contamination Confirmed Date:	12/16/92		·	
Case Closed Date:	06/02/93	······		
Substance:	GASOLINE			
Remediation Event:	EXCAVATE AND DISPOSE			
Remediation Status:	CASE CLOSED			



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #56

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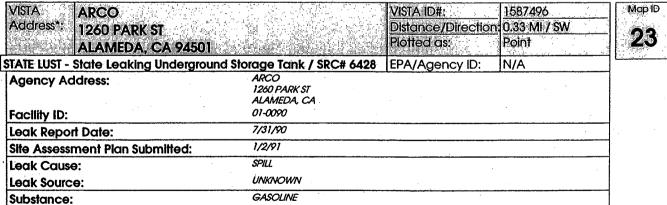
	OUNDING AREA (within 1/2)	TAULUS CONG		
Aedia Affected:	OTHER GROUND WATER	· · · · · · · · · · · · · · · · · · ·		
ead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	WEW DATE:	•	Ì
/ISTA DOLLRES STAUDENRAUS Address*: 2424 Blanding Ave Alameda, CA 94501		Distance/Direction:	6669292 0.31 ML/ NE Point	<sup>™®</sup> 2
ATE LUST - State Leaking Underground	Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	Linial ASS
Agency Address:	DOLORES STAUNDENRAUS 2424 BLANDING AVE ALAMEDA, CA	<del> </del>		
Facility ID:	01-2169	· · · · · · · · · · · · · · · · · · ·		
eak Report Date:	4/26/95			•
Contamination Confirmed Date:	9/24/96	·····		
Case Closed Date:	10/29/96			
Leak Cause:	UNKNOWN UNKNOWN	•		
Leak Source:		<u> </u>		
Substance:	GASOLINE		· · · · · · · · · · · · · · · · · · ·	
Remediation Event:	EXCAVATE AND DISPOSE	1050 OL 005 X 11 1/101/50000		
Remediation Event:	STOP DATE: 2/23/93HOW STOF DATE:	PED: CLOSE TANKENFORCE	MENT:ENFORCEMENT	
Remediation Status:	CASE CLOSED	·····		
Media Affected:	SOIL ONLY			]
Lead Agency:	LOCAL AGENCY			· ·
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	EVIEW DATE: 11/6/96	, , , , , , , , , , , , , , , , , , ,	
TATE LUST - State Leaking Underground	Storage Tank / SRC# 6545	EPA/Agency ID:	N/A	· ·
Agency Address:	DOLORES STAUNDENRAUS 2424 BLANDING AVE ALAMEDA, CA 94501			
Facility ID:	01-2169	·		
Leak Report Date:	04/26/95	· · · · · · · · · · · · · · · · · · ·		
Contamination Confirmed Date:	09/24/96			ļ
Case Closed Date:	10/29/96		· · · · · · · · · · · · · · · · · · ·	
Substance:	GASOLINE	·		
Remediation Event:	EXCAVATE AND DISPOSE	·····		
Remediation Status:	CASE CLOSED			
Media Affected:	SOIL ONLY	· · ·		
Lead Agency:	LOCAL AGENCY			
Region / District:	SAN FRANCISCO BAY RE	· ·	. •	



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VISTA GHIDELLA RESIDENCE _		VISTA ID#;	11499306	
Address*: 2110 SANTA CLARA AV	<b>E</b>	Distance/Direction		
ALAMEDA, CA 94501		Plotted as:	Point	
TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address: Facility ID:	GHIDELLA RESIDENCE 2110 SANTA CLARA AVE ALAMEDA, CA 01-1992		<u>, γ</u>	
Leak Report Date:	5/5/94			-
Site Assessment Plan Submitted:	12/29/94		<u>, , , , , , , , , , , , , , , , , , , </u>	
Case Closed Date:	6/27/95			
Leak Source:	UNKNOWN	· · · · · · · · · · · · · · · · · · ·		1
Substance:	DIESEL			
Remediation Event:	STOP DATE:HOW STOPPED:ENF	ORCEMENT: NONE TAKENE	NFORCEMENT DATE:	
Remediation Status:	CASE CLOSED			7
Media Affected:	SOIL ONLY	· · · · · · · · · · · · · · · · · · ·	· · · ·	
Lead Agency:	LOCAL AGENCY			7
Region / District:	SAN FRANCISCO BAY RE	· ·		
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	EVIEW DATE: 7/3/95		
STATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545	EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
Facility ID:	01-1992	· · · · · · · · · · · · · · · · · · ·		
Leak Report Date:	05/05/94	· · · · · · · · · · · · · · · · · · ·		
Site Assessment Plan Submitted:	12/29/94		·····	
Case Closed Date:	06/27/95	· · · · · · · · · · · · · · · · · · ·		
Substance:	DIESEL	······································		
Remediation Status:	CASE CLOSED	· · · ·		
Media Affected:	SOIL ONLY			
Lead Agency:	LOCAL AGENCY	. <u></u>		
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	EVIEW DATE:		-



 Leak Source:
 UNKNOWN

 Substance:
 GASOLINE

 Remediation Event:
 STOP DATE: 11/30/93HOW STOPPED: OTHER MEANSENFORCEMENT: NONE

 TAKENENFORCEMENT DATE:
 TAKENENFORCEMENT DATE:

 Remediation Status:
 POST RÉMEDIAL ACTION UNDERWAY



\* VISTA address includes enhanced city and ZIP.

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SOIL ONLY	
LOCAL AGENCY	
SAN FRANCISCO BAY RE	
COUNTY: ALAMEDAXSTREET: ENCINALREVIEW DATE: 3/30/99	
Storage Tank / SRC# 6545 EPA/Agency ID: N/A	
SAME AS ABOVE	
01-0090	
07/31/90	
01/02/91	
GASOLINE	
POST REMEDIAL ACTION UNDERWAY	
SOIL ONLY	
LOCAL AGENCY	
SAN FRANCISCO BAY RE	
COUNTY: ALAMEDAXSTREET: ENCINALREVIEW DATE:	
	23
Plotted as:	
Agency ID: 01-0090	<u>1.4.3.50537</u>
SAINE AS ABOVE	
SAME AS ABOVE LEAKING TANK	
LEAKING TANK 01-0090	
LEAKING TANK 01-0090	 24
LEAKING TANK 01-0000 OOL DISTRIC Distance/Direction 0.34 MI / E	
LEAKING TANK         01-0090         OOL DISTRIC       VISTA ID#: 1254196         Distance/Direction       0.34 MI / E         Distance/Direction       0.34 MI / E         Piotted as:       Point         1 Storage Tank / SRC# 6428       EPA/Agency ID: N/A         ALAMEDA UNIFIED SCHOOL DISTRICT	
LEAKING TANK 01-0090 IOOL DISTRIC Distance/Direction Distance/Direction 0.34 MI / E Point Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A	
LEAKING TANK 01-0090 IOOL DISTRIC VISTA ID#: 1254196 Distance/Direction 0.34 MI / E Plotted as: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE	
LEAKING TANK 01-0090 IOOL DISTRIC IStance/Direction Plotted as: 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA	
LEAKING TANK 01-0090 OOL DISTRIC VISTA ID#: 1254196 Distance/Direction 0.34 MI / E Piotted as: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797	
LEAKING TANK 01-0090 IOOL DISTRIC VISTA ID#: 1254196 Distance/Direction 0.34 MI / E Point Piotted cs: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91	
LEAKING TANK 01-0090 IOOL DISTRIC Distance/Direction Plotted cs: 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/7/92	
LEAKING TANK 01-0090 OOL DISTRIC Distance/Direction Plotted as: 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/7/92 8/11/93	
LEAKING TANK 01-0090 ICOL DISTRIC Distance/Direction Plotted as: 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2015 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/7/92 B/11/93 STRUCTURE FAILURE	
LEAKING TANK 01-0090 IOOL DISTRIC VISTA ID#: 1254196 Distance/Direction 0.34 MI / E Point Piotted cs: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/7/92 8/11/93 STRUCTURE FAILURE TANK	
LEAKING TANK 01-0090 IOOL DISTRIC VISTA ID#: 1254196 Distance/Direction 0.34 MI / E Point Plotted cs: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/7/92 8/11/93 STRUCTURE FAILURE TANK GASOLINE	
LEAKING TANK 01-0090 IOOL DISTRIC Distance/Direction Plotted cs: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/7/92 8/11/93 STRUCTURE FAILURE TANK GASOLINE EXCAVATE AND DISPOSE STOP DATE: 12/31/91HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 7/7/92	
LEAKING TANK 01-0090 OOL DISTRIC VISTA ID#: 1254196 Distance/Direction Pioted as: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/792 8/11/93 STRUCTURE FAILURE TANK GASOLINE EXCAVATE AND DISPOSE STOP DATE: 12/31/91HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 7/7/92 CASE CLOSED	
LEAKING TANK 01-0090 OOL DISTRIC Distance/Direction Plotted os: 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2015 EAGLE AVE ALAMEDA CA 01-0797 12/31/91 7/7/92 8/11/93 STRUCTURE FAILURE TANK GASOLINE EXCAVATE AND DISPOSE STOP DATE: 12/31/91HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 7/7/92 CASE CLOSED SOIL ONLY	
LEAKING TANK 01-0090 OOL DISTRIC VISTA ID#: 1254196 Distance/Direction Pioted as: Point 1 Storage Tank / SRC# 6428 EPA/Agency ID: N/A ALAMEDA UNIFIED SCHOOL DISTRICT 2615 EAGLE AVE ALAMEDA. CA 01-0797 12/31/91 7/792 8/11/93 STRUCTURE FAILURE TANK GASOLINE EXCAVATE AND DISPOSE STOP DATE: 12/31/91HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE: 7/7/92 CASE CLOSED	
	LOCAL AGENCY SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSTREET: ENCINALREVIEW DATE: 3/30/99 Storage Tank / SRC# 6545 [EPA/Agency ID: N/A SAME AS ABOVE 01-0090 07/31/90 01/02/91 GASOLINE POST REMEDIAL ACTION UNDERWAY SOIL ONLY LOCAL AGENCY SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSTREET: ENCINALREVIEW DATE: VISTA ID#: 7429314 Distance/Direction Plotted cs: Point



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STATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0797	· · · ·	
Leak Report Date:	12/31/91		
Contamination Confirmed Date:	07/07/92		
Case Closed Date:	08/11/93	——————————————————————————————————————	·
Substance:	GASOLINE	······································	
Remediation Event:	EXCAVATE AND DISPOSE	·····	
Remediation Status:	CASE CLOSED	······································	
Media Affected:	SOIL ONLY		· · · · · · · · · · · · · · · · · · ·
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		·
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	VIEW DATE:	

VISTA CAMISA BROS ROOFING		MISTA ID#:	11498549	
Address*: 1901 BROADWAY		Distance/Direction	0.37 MI / E	
ALAMEDA, CA 94501		Plotted as:	Point	
TATE LUST - State Leaking Underground S	torage Tank / SRC# 6545	EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE	······································		
Facility ID:	01-2087			
Leak Report Date:	04/29/94			
Case Closed Date:	08/09/95			
Substance:	GASOLINE			
Remediation Status:	CASE CLOSED	·		
Media Affected:	OTHER GROUND WATER			
Lead Agency:	LOCAL AGENCY	···· ·································		
Region / District:	SAN FRANCISCO BAY RE			
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	VIEW DATE:		

CAMISA BROS ROOFING 1901 BROADWAY

ALAMEDA, CA 94501		Plotted as:	Point
TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6428	EPA/Agency ID:	N/A
Agency Address:	CAMISA BROS ROOFING 1901 BROADWAY ALAMEDA, CA	••••••••••••••••••••••••••••••••••••••	- <b></b>
Facility ID:	01-2087		· .
Leak Report Date:	4/29/94		······································
Case Closed Date:	8/9/95	······	
Leak Cause:	UNKNOWN	<del></del>	
Leak Source:	UNKNOWN		
Substance:	GASOLINE		
Remediation Event:	STOP DATE: 4/28/94HOW STOP DATE:	PED: OTHER MEANSENFOR	RCEMENT:ENFORCEMENT
Remediation Status:	CASE CLOSED		
Media Affected:	OTHER GROUND WATER	· · · · · ·	



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VISTA

Address\*:

\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #60

VISTA ID#: 5520262 Distance/Direction: 0.37 MI / E

Map ID

SITES IN THE SURRC	UNDING AREA (within 1/4	ka /2 mla) eoNra	
Lead Agency:	LOCAL AGENCY	· .	
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 8/7/96	······································
VISTA PACIFIC BELL (Q3-004)		VISTA ID#:	315062
Address*: 2100 CENTRAL		Distance/Direction	
ALAMEDA, CA 94501		Plotted as:	Point
ORTESE / SRC# 4840	<u>er e hijn still parte delle parte o</u>	Agency ID:	01-1135
Agency Address:	PACIFIC BELL	Tugency iD.	01-1135
	2100 CENTRAL	•	
List Name:	ALAMEDA, CA LEAKING TANK		
Site ID:	01-1135		
ATE LUST - State Leaking Underground Si	•	EPA/Agency ID:	N/A
Agency Address:	PACIFIC BELL		
	2100 CENTRAL AVE		
acility ID:	ALAMEDA, CA 01-1135	•	•
eak Report Date:	8/7/86		· · · ·
eak Cause:	STRUCTURE FAILURE	·····	·····
eak Source:	TANK		
Substance:	DIESEL		
Remediation Event:	NO ACTION TAKEN		
Remediation Event:	STOP DATE: 8/7/86HOW STOP TAKENENFORCEMENT DATE;	PED: CLOSE TANKENFORCE	MENT: NONE
Remediation Status:	LEAK IS SUSPECTED AT SIGHT, E	BUT NOT CONF	****** •** ** · · · · · · · · · · · · ·
ledia Affected:	SOIL ONLY		*** • • • • • • • • • • • • • • • • • •
.ead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 2/3/93	
TATE LUST - State Leaking Underground St		EPA/Agency ID:	N/A
Agency Address:	PACIFIC BELL 2100 CENTRAL AVE		
	ALAMEDA, CA 94501		
acility ID:	01-1135		
eak Report Date:	08/07/86		
ubstance:	DIESEL		
Remediation Event:	NO ACTION TAKEN	· · · · · · · · · · · · · · · · · · ·	
Remediation Status:	LEAK IS SUSPECTED AT SIGHT, E	BUT NOT CONF	· · · · · · · · · · · · · · · · · · ·
Media Affected:	SOIL ONLY		
ead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	EVIEW DATE:	



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #61

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1/24/92 Site Assessment Plan Submitted: 6/29/94 Case Closed Date: STRUCTURE FAILURE Leak Cause: Leak Source: TANK DIESEL Substance: EXCAVATE AND DISPOSE **Remediation Event:** STOP DATE: 11/6/91HOW STOPPED: CLOSE TANKENFORCEMENT: **Remediation Event:** WARNINGENFORCEMENT DATE: 7/20/92 **Remediation Status:** CASE CLOSED OTHER GROUND WATER Media Affected: LOCAL AGENCY Lead Agency: SAN FRANCISCO BAY RE **Region / District:** COUNTY: ALAMEDAXSTREET: 7TH ST EREVIEW DATE: 7/8/94 **Description / Comment:** STATE LUST - State Leaking Underground Storage Tank / SRC# 6545 | EPA/Agency ID: N/A RIGHT AWAY READY MIX INC Agency Address: 401 KENNEDY ST OAKLAND, CA 94606 01-1241 Facility ID: 11/01/91 Leak Report Date: Site Assessment Plan Submitted: 01/24/92 06/29/94 Case Closed Date: DIESEL Substance: EXCAVATE AND DISPOSE **Remediation Event: Remediation Status:** CASE CLOSED OTHER GROUND WATER Media Affected: LOCAL AGENCY Lead Agency: SAN FRANCISCO BAY RE **Region / District:** COUNTY: ALAMEDAXSTREET: 7TH ST EREVIEW DATE: **Description / Comment:** 

VISTA RHODES JAMIESON BATCH	PLA	VISTA ID#:	1585693	Map ID
Address*: 333 KENNEDY		Distance/Direction	0.50 MI / NE	
OAKLAND, CA 94606		Plotted as:	Point	28
CORTESE / SRC# 4840		Agency ID:	01-1238	] <u>lu</u>
Agency Address:	RHODES JAMIESON BATCH PLA 333 KENNEDY OAKLAND, CA		· ·	
List Name:	LEAKING TANK			
Site ID:	01-1238			
STATE LUST - State Leaking Underground Sto	rage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	RHODES JAMIESON BATCH PLA 333 KENNEDY ST OAKLAND, CA	NT		
Facility ID:	01-1238		•	
Leak Report Date:	8/8/85	······································		
Site Assessment Began:	10/30/85	- <u></u>	· · · · · · · · · · · · · · · · · · ·	
Pollution Characterization Date:	11/30/85		· · ·	
Leak Cause:	STRUCTURE FAILURE			]
Leak Source:	TANK			
Substance:	DIESEL	· · ·		]



Remediation Event:	STOP DATE: 8/8/85HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE:				
Remediation Status:	POLLUTION CHARACTERIZATION				
Media Affected:	OTHER GROUND WATER				
Lead Agency:	LOCAL AGENCY				
Region / District:	SAN FRANCISCO BAY RE				
Description / Comment:	COUNTY: ALAMEDAXSTREET: REVIEW DATE: 9/13/94				
STATE LUST - State Leaking Undergroun	d Storage Tank / SRC# 6545 EPA/Agency ID: N/A				
Agency Address:	RHODES JAMIESON BATCH PLANT 333 KENNEDY ST. OAKLAND, CA 94612				
Facility ID:	01-1238				
Leak Report Date:	08/08/85				
Site Assessment Began:	10/30/85				
Pollution Characterization Date:	11/30/85				
Substance:	DIESEL				
Remediation Status:	POLLUTION CHARACTERIZATION				
Media Affected:	OTHER GROUND WATER				
Lead Agency:	LOCAL AGENCY				
Region / District:	SAN FRANCISCO BAY RE				
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE:				

Address\*: 333 23RD AVE Distance/Direction 0.49 MI / NE Plotted as: Point OAKLAND, CA 94606 STATE LUST - State Leaking Underground Storage Tank / SRC# 6271 EPA/Agency ID: N/A LIVERMORE ARCADE SHOPPING CENTER IST PST LIVERMORE, CA Agency Address: 0150216 Facility ID: **Remediation Status:** INACTIVE FAC COUNTY: ALAMEDA **Description / Comment:** STATE LUST - State Leaking Underground Storage Tank / SRC# 6271 EPA/Agency ID: N/A Agency Address: CHEVRON 333 23RD AVE OAKLAND, CA 0150218 Facility ID: INACTIVE **Remediation Status:** FAC COUNTY: ALAMEDA **Description / Comment:** 

vista id#;

3867311

VISTA Address*: GOLDEN WEST ENVIRO 2017 CENTRAL AVE ALAMEDA, CA 94501	NMENTAL SERV	VISTA ID#: Distance/Direction Plotted as:	4222470 0.49 MI / W Point	Mep III 30
STATE LUST - State Leaking Underground	I Storage Tank / SRC# 6428	EPA/Agency ID:	N/A	
Agency Address:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA, CA	• · · · · · · · · · · · · · · · · · · ·		
Facility ID:	01-1746		the second second	
Leak Report Date:	6/25/92	· · · · · · · · · · · · · · · · · · ·		1
Contamination Confirmed Date:	5/4/93	######################################		



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**CHEVRON** 

\* VISTA address includes enhanced city and ZIP.

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Map ID

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile) CONT,

Case Closed Date:	1/28/94	
Leak Cause:	UNKNOWN	
Leak Source:	TANK	
Substance:	DIESEL	
Remediation Event:	EXCAVATE AND DISPOSE	
Remediation Event:	STOP DATE: 6/25/92HOW STOPPED: CLOSE TANKENFORCEMENT: WARNINGENFORCEMENT DATE; 5/4/93	
Remediation Status:	CASE CLOSED	
Media Affected:	SOIL ONLY	
Lead Agency:	LOCAL AGENCY	
Region / District:	SAN FRANCISCO BAY RE	
Description / Comment:	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 12/13/94	
	LAL	
TATE LUST - State Leaking Underground	d Storage Tank / SRC# 6545 EPA/Agency ID: N/A	
Agency Address:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA, CA 94501	
Agency Address: Facility ID:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746	
Agency Address: Facility ID: Leak Report Date:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date: Substance:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94 DIESEL	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date: Substance: Remediation Event:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94 DIESEL EXCAVATE AND DISPOSE	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date: Substance: Remediation Event: Remediation Status:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94 DIESEL EXCAVATE AND DISPOSE CASE CLOSED	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date: Substance: Remediation Event:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94 DIESEL EXCAVATE AND DISPOSE CASE CLOSED SOIL ONLY	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date: Substance: Remediation Event: Remediation Status:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94 DIESEL EXCAVATE AND DISPOSE CASE CLOSED SOIL ONLY LOCAL AGENCY	
Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Case Closed Date: Substance: Remediation Event: Remediation Status: Media Affected:	GOLDEN WEST ENV SERVICES 2017 CENTRAL AVE ALAMEDA. CA 94501 01-1746 06/25/92 05/04/93 01/28/94 DIESEL EXCAVATE AND DISPOSE CASE CLOSED SOIL ONLY	



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VISTA Address*: 3801 E. 8TH ST	NCO.	VISTA ID#: Distance/Direction Plotted as:	481033 0.99 ML/E Point	
OAKLAND, CA 94601 CORRACTS / SRC# 6379	<u>in ternen en den den den den den den den den d</u>	EPA ID:	CAD009162116	
Agency Address:	AMERICAN CAN PACKAGING 3801 E 8TH ST OAKLAND, CA 94604		10/ 000/ 102/10	
Prioritization Status:	MEDIUM			1
RCRA Facility Assessment Completed:	YES			
Notice of Contamination:	NO	· · · · · ·		
Determination of need For a RFI (RCRA Facility Investigation):	NO			
RFI Imposed:	YES		and the second	
RFI Workplan Notice of Deficiency Issued:	NO			1
RFI Workplan Approved:	NO			
RFI Report Received:	NO	• • •		
RFI Approved:	YES			
No Further Corrective Action at this Time:	NO			
Stabilization Mesaures Evaluation:	YES		•	
CMS (Corrective Measure Study) Imposition:	NO		· ·	
CMS Workplan Approved:	NO		<b>,</b>	
CMS Report Received:	NO		· . ·	
CMS Approved:	NO	•••		
Date for Remedy Selection (CM Imposed):	NO		• •	
Corrective Measures Design Approved:	NO			
Corrective Measures Investigation Workplan Approved:	NO			
Certification of Remedy Completion:	NO			
Stabilization Measures Implementation:	YES		· ·	
Stabilization Measures Completed:	YES			
Corrective Action Process Termination:	NO			
RCRA-TSD CORRACTS / SRC# 6379	· · · · · · · · · · · · · · · · · · ·	EPA ID:	CAD009162116	1
Agency Address:	AMERICAN CAN PACKAGING 3801 E 8TH ST OAKLAND, CA 94604			
Off-Site Waste Received:	NO		· · · · · · · · · · · · · · · · · · ·	
Land Disposal:	NO	· · · · ·	•	
Incinerator.	NO	· ·	• * •	
Storage/Treatment:	NO	•		



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #66

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**UNMAPPED SITES** 

VISTA NCPA TODD SHIPYA	RD	MSTAID#	12718938
Address*: 0 UNKNOWN			
ALAMEDA, CA 92501			
STATE LUST - State Leaking Undergrou	und Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1035		
Leak Report Date:	07/28/86		
Site Assessment Began:	12/30/85	· · · · · · · · · · · · · · · · · · ·	
Substance:	MISC MOTOR VEHICLE FUELS		
Remediation Event:	NO ACTION TAKEN	······································	
Remediation Status:	PRELIMINARY SITE ASSESSMENT	UNDERWAY .	
Media Affected:	OTHER GROUND WATER		· · · · · · · · · · · · · · · · · · ·
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	
Description / Comment:	COUNTY: ALAMEDAXSTREET:RU	EVIEW DATE:	
Address*: 0 UNKNOWN ALAMEDA, CA 94501			
STATE LUST - State Leaking Undergrou	Ind Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0050		
Leak Report Date:	07/27/87		
Substance:	MISC MOTOR VEHICLE FUELS		
Remediation Event:	NO ACTION TAKEN		
Remediation Status:	NO ACTION		
Media Affected:	UNDEFINED		· · · · · · · · · · · · · · · · · · ·
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	VIEW DATE:	
VISTA ALAMEDA NAVAL AII Address*: 0 UNKNOWN ALAMEDA, CA	<b>R STATION</b>	VISTA ID#	<u>12666629</u>
TATE LUST - State Leaking Undergrou	nd Storage Tank / SRC# 6428	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0050	and and a second se	· · · · ·
Leak Report Date:	7/27/87		

STRUCTURE FAILURE Leak Cause: **TANK** Leak Source: MISC MOTOR VEHICLE FUELS Substance: **Remediation Event:** NO ACTION TAKEN STOP DATE: 7/27/87HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE: **Remediation Event:** NO ACTION **Remediation Status:** UNDEFINED Media Affected:



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Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 8/24/94	····
· · · ·		· · · · · · · · · · · · · · · · · · ·	
VISTA ROADWAY EXPRESS, IN Address*: 1125 27TH AVE		VISTA ID#:	7291475
OAKLAND CA			
STATE LUST - State Leaking Underground	I Storago Tank / SDC# 4071	EDA (Agonov ID)	
Agency Address:	SAME AS ABOVE	EPA/Agency ID:	N/A
Facility ID:	0150449		
Remediation Status:	INACTIVE	······································	
Description / Comment:	FAC COUNTY: ALAMEDA	····	
	· · · · · · · · · · · · · · · · · · ·		
VISTA NCPA TODD SHIPYARD Address*: 0 UNKNOWN		VISTA ID#:	12666650
ALAMEDA, CAUX EL Y			
STATE LUST - State Leaking Underground		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1035		
Leak Report Date:	7/28/86		
Site Assessment Began:	12/30/85		
Leak Cause:	STRUCTURE FAILURE		
Leak Source:	TANK	·	
Substance:	MISC MOTOR VEHICLE FUELS		
Remediation Event:	NO ACTION TAKEN		
Remediation Event:	STOP DATE: 7/28/86HOW STOP TAKENENFORCEMENT DATE:		CEMENT: NONE
Remediation Status:	PRELIMINARY SITE ASSESSMEN	UNDERWAY	
Media Affected:	OTHER GROUND WATER		
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE	· · · ·	
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 8/24/94	
VISTA CALLAGHER BURKEIN		VISTA ID#:	247661
Address*: 7100 BOUNTAIN BLVD OAKLAND, CA 94623			
STATE LUST - State Leaking Underground	Storage Tank / SRC# 6428	EPA/Agency ID:	N/A
Agency Address:	GALLAGHER BURKE 7100 MOUNTAIN BLVD		
Facility ID:	OAKLAND, CA 01-1236		
Leak Report Date:	10/22/92		
Contamination Confirmed Date:	12/23/92		
Contamination Commed Date: Case Closed Date:	6/1/95		
Leak Cause:	STRUCTURE FAILURE		
Leak Cause: Leak Source:	TANK		
	DIESEL		
Substance:			



\* VISTA address includes enhanced city and ZiP. For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #68

UNMAPPED STES CONT.

Remediation Event:	EXCAVATE AND DISPOSE		
Remediation Event:	STOP DATE: 10/22/93HOW STOPPED: CLOSE TANKENFORCEMENT; WARNINGENFORCEMENT DATE: 12/23/92		
Remediation Status:	CASE CLOSED		
Media Affected:	OTHER GROUND WATER	··········	:
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		•
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	EVIEW DATE: 7/3/95	
TATE LUST - State Leaking Underground S	Storage Tank / SRC# 6545	EPA/Agency ID:	N/A
Agency Address:	GALLAGHER BURKE 7100 MOUNTAIN BLVD OAKLAND, CA 94605		
Facility ID:	01-1236	· .	·
Leak Report Date:	10/22/92		· · · · · · · · · · · · · · · · · · ·
Contamination Confirmed Date:	12/23/92		· · · · · · · · · · · · · · · · · · ·
Case Closed Date:	06/01/95		
Substance:	DIESEL	•••••••	······
Remediation Event:	EXCAVATE AND DISPOSE		
Remediation Status:	CASE CLOSED	· · · · · · · · · · · · · · · · · · ·	·····
Media Affected:	OTHER GROUND WATER		
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:R	FVIEW DATE	
Address': 0 BAY BRIDGE TOLL PLZ	) TENT	VISTA ID#:	12866907
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA			
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S			12666907 N/A
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground s Agency Address:	Storage Tank / SRC# 6428		
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990		
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94		
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date:	Storage Tank / SRC# 6428           SAME AS ABOVE           01-1990           8/10/94           1/25/96		
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause:	Storage Tank / SRC# 6428           SAME AS ABOVE           01-1990           8/10/94           1/25/96           UNKNOWN		
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source:	Storage Tank / SRC# 6428           SAME AS ABOVE           01-1990           8/10/94           1/25/96           UNKNOWN           UNKNOWN		
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground : Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO	EPA/Agency ID:	N/A
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE	EPA/Agency ID:	N/A
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE:	EPA/Agency ID:	N/A
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground : Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN	EPA/Agency ID:	N/A
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected: Lead Agency:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN SOIL ONLY	EPA/Agency ID:	N/A
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN SOIL ONLY LOCAL AGENCY	EPA/Agency ID: PPED: CLOSE TANKENFOR T UNDERWAY	N/A
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comment:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN SOIL ONLY LOCAL AGENCY SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSTREET:R	EPA/Agency ID: EPA/Agency ID: PPED: CLOSE TANKENFOR T UNDERWAY	N/A CEMENT: NONE
Address*: 0 BAY BRIDGE TOLL PLZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN SOIL ONLY LOCAL AGENCY SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSTREET:R Storage Tank / SRC# 6545 EAST BAY SERVICE ROAD TENI 0 BAY BRIDGE TOLL PLZ	EPA/Agency ID: PPED: CLOSE TANKENFOR T UNDERWAY EVIEW DATE: 2/24/98 EPA/Agency ID:	N/A
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comment: TATE LUST - State Leaking Underground S Agency Address:	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN SOIL ONLY LOCAL AGENCY SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSTREET:R Storage Tank / SRC# 6545 EAST BAY SERVICE ROAD TEM	EPA/Agency ID: PPED: CLOSE TANKENFOR T UNDERWAY EVIEW DATE: 2/24/98 EPA/Agency ID:	N/A CEMENT: NONE
Address*: 0 BAY BRIDGE TOLL PIZ OAKLAND, CA TATE LUST - State Leaking Underground S Agency Address: Facility ID: Leak Report Date: Contamination Confirmed Date: Leak Cause: Leak Source: Substance: Remediation Event: Remediation Status: Media Affected: Lead Agency: Region / District: Description / Comment: TATE LUST - State Leaking Underground S	Storage Tank / SRC# 6428 SAME AS ABOVE 01-1990 8/10/94 1/25/96 UNKNOWN UNKNOWN UNKNOWN KEROSENE STOP DATE: 7/22/94HOW STO TAKENENFORCEMENT DATE: PRELIMINARY SITE ASSESSMEN SOIL ONLY LOCAL AGENCY SAN FRANCISCO BAY RE COUNTY: ALAMEDAXSTREET:R Storage Tank / SRC# 6545 EAST BAY SERVICE ROAD TENN 0 BAY BRIDGE TOLL FLZ OAKLAND, CA 94607	EPA/Agency ID: PPED: CLOSE TANKENFOR T UNDERWAY EVIEW DATE: 2/24/98 EPA/Agency ID:	N/A CEMENT: NONE



\* VISTA address includes enhanced city and ZIP. For more information call VISTA Information Solutions, inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #69

#### UNMAPPED SITES CONT.

Substance:		KEROSENE
Remediation Status:		PRELIMINARY SITE ASSESSMENT UNDERWAY
Media Affected:		SOIL ONLY
Lead Agency:	•	LOCAL AGENCY
Region / District:		SAN FRANCISCO BAY RE
Description / Comment:		COUNTY: ALAMEDAXSTREET:REVIEW DATE:

VISTA ID#:

12667445

MISTA Address\*: 0 TILDEN PARK OAKLAND. CA

STATE LUST - State Leaking Undergr	ound Storage Tank / SRC# 6428	EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0534	·	
Leak Report Date:	3/24/88		
Case Closed Date:	7/26/88		
Leak Cause:	STRUCTURE FAILURE		- · · · · ·
Leak Source:	TANK	, .	
Substance:	MISC MOTOR VEHICLE FUELS	······	
Remediation Event:	NO ACTION TAKEN		
Remediation Event:	STOP DATE: 3/24/88HOW STOP TAKENENFORCEMENT DATE:	PPED: CLOSE TANKENFOR	CEMENT: NONE
Remediation Status:	CASE CLOSED	· · · · · · · · · · · · · · · · · · ·	
Media Affected:	UNDEFINED	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Lead Agency:	LOCAL AGENCY		
Region / District:	SAN FRANCISCO BAY RE		
Description / Comment:	COUNTY: ALAMEDAXSTREET:RE	VIEW DATE: 7/26/88	······································

VISTA 7 Address*: 01.827 TRA	<u>VISTAID#: 12667122</u>
OAKLAND	<b>用的复数形式 法教育 医肠炎 人名卡尔特特 网络小麦属加油 经增加 建建的 医骨髓静脉 计输出的 医脑子宫的 法法公司 计一个 计算法 计分子 医子宫 人名法尔尔 人名法尔</b>
STATE LUST - State Leaking	nderground Storage Tank / SRC# 6428 EPA/Agency ID: N/A
Agency Address:	SAME AS ABOVE
Facility ID:	01-0606
Leak Report Date:	7/30/91
Leak Cause:	STRUCTURE FAILURE
Leak Source:	TANK
Substance:	DIESEL
Remediation Event:	NO ACTION TAKEN
Remediation Event:	STOP DATE: 7/30/91HOW STOPPED: CLOSE TANKENFORCEMENT: NONE TAKENENFORCEMENT DATE:
<b>Remediation Status:</b>	LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF
Media Affected:	OTHER GROUND WATER
Lead Agency:	LOCALAGENCY
Region / District:	SAN FRANCISCO BAY RE
<b>Description / Comment:</b>	COUNTY: ALAMEDAXSTREET:REVIEW DATE: 10/9/91



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STATE LUST - State Leaking Underground Storage Tank / SRC# 6545 EPA/Agency ID: N/A Agency Address: 0 L 827 TRACON OAKLAND, CA 94621 01-0606 Facility ID: Leak Report Date: 07/30/91 DIESEL Substance: NO ACTION TAKEN **Remediation Event:** LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF **Remediation Status:** OTHER GROUND WATER Media Affected: LOCAL AGENCY Lead Agency: SAN FRANCISCO BAY RE **Region / District:** COUNTY: ALAMEDAXSTREET:REVIEW DATE: **Description / Comment:** VISTA HAYWARD LIMITED VISTA ID#: 7291068 Address\*: 30104 INDUSTRIAL PKWYSW HAYWARD, CA STATE LUST - State Leaking Underground Storage Tank / SRC# 6271 EPA/Agency ID: N/A Agency Address: SAME AS ABOVE 0150493 Facility ID: ACTIVE **Remediation Status:** 

VISTA UPTOWN THEATER DISTRICT VISTA ID#: 12714497 Address\*: UNKNOWN OAKLAND, CA STATE LUST - State Leaking Underground Storage Tank / SRC# 6271 EPA/Agency ID: N/A SAME AS ABOVE Agency Address: 0150520 Facility ID: ACTIVE **Remediation Status:** FAC COUNTY: ALAMEDA **Description / Comment:** 

FAC COUNTY: ALAMEDA

STATE LUST - State Leaking Underground Storage Tank / SRC# 6271 EPA/Agency ID: N/A	BERKELE STATE LUST - State Lea		271 EPA/Agency ID:	N/A
STATE LUST - State Leaking Underground Storage Tank / SRC# 6271  EPA/Agency ID:  N/A	to be interesting to be the state of the the state of the	king Underground Storage Tank / SRC# 6	271 EPA/Agency ID:	N/A

Facility ID:	0150490			. •
Remediation Status:	ACTIVE	· · · · · ·	 •	
Description / Comment:	FAC COUNTY: ALAMEDA	······		

Address*: OAKLAND INTE	RNATIONAL AIRPORT RNATIONAL AIRPORT	VISTA ID#:	7291755
OAKLAND, CA STATE LUST - State Leaking Und		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility 1D:	0150487		



**Description / Comment:** 

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		UNMAPPED SHES CO	<b>NI,</b>
Remediati	on Status:	INACTIVE	
Description	n / Comment:	FAC COUNTY: ALAMEDA	· · · · · · · · · · · · · · · · · · ·
VISTA Address*:	UNION POINT WATER 2301 EMBARCADERC OAKLAND, CA		<u>VISTA ID#: 12714405</u>
TATE LUST -		und Storage Tank / SRC# 62	271 EPA/Agency ID: N/A
Agency A		SAME AS ABOVE	
Facility ID:		0150521	•
Remediati	on Status:	ACTIVE	
Description	n / Comment:	FAC COUNTY: ALAMEDA	



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14.3

### SITE ASSESSMENT PLUS REPORT

#### DESCRIPTION OF DATABASES SEARCHED

#### A) DATABASES SEARCHED TO 1 MILE

NPL	VISTA conducts a database search to identify all sites within 1 mile of your property.								
SRC#: 6476	The agency release date for NPL was November, 1999.								
	The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.								
SPL	VISTA conducts a database search to identify all sites within 1 mile of your property.								
SRC#: 6282	The agency release date for Calsites Database: Annual Workplan Sites was July, 1999.								
	This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. The agency may be contacted at: 916-323-3400.								
CORRACTS	VISTA conducts a database search to identify all sites within 1 mile of your property.								
SRC#: 6379	The agency release date for HWDMS/RCRIS was September, 1999.								
	The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.								
B) DATABASES	SEARCHED TO 1/2 MILE								
CERCLIS	VISTA conducts a database search to identify all sites within 1/2 mile of your property.								
SRC#: 6474	The agency release date for CERCLIS was October, 1999.								
	The CERCLIS List contains sites which are either proposed to or on the National Priorities List(NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.								
Cal Cerclis	VISTA conducts a database search to Identify all sites within 1/2 mile of your property.								
SRC#: 2462	The agency release date for Ca Cerclis w/Regional Utility Description was June, 1995.								

This database is provided by the U.S. Environmental Protection Agency, Region 9. The agency may be contacted at: . These are regional utility descriptions for California CERCLIS sites.



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NFRAP VISTA conducts a database search to identify all sites within 1/2 mile of your property. SRC#: 6475 The agency release date for CERCLIS-NFRAP was October, 1999.

> NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

VISTA conducts a database search to identify all sites within 1/2 mile of your property. SRC#: 6281 The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was July, 1999.

> This database is provided by the Department of Toxic Substances Control. The agency may be contacted at: .

The CalSites database includes both known and potential sites. Two- thirds of these sites have been classified, based on available information, as needing "No Further Action" (NFA) by the Department of Toxic Substances Control. The remaining sites are in various stages of review and remediation to determine if a problem exists at the site. Several hundred sites have been remediated and are considered certified. Some of these sites may be in long term operation and maintenance.

**RCRA-TSD** SRC#: 6379

SCL

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for HWDMS/RCRIS was September, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

SWLF VISTA conducts a database search to identify all sites within 1/2 mile of your property. SRC#: 5945 The agency release date for City of Los Angeles Landfills was April, 1999.

> This database is provided by the City of Los Angeles, Environmental Affais Department. The agency may be contacted at: 213-580-1070.

SWLF SRC#: 6544

VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Ca Solid Waste Information System (SWIS) was November, 1999.

This database is provided by the Integrated Waste Management Board. The agency may be contacted at: 916-255-4021.

The California Solid Waste Information System (SWIS) database consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations pursuant to the Solid Waste Management and Resource Recovery Act of 1972, Government Code Section 2.66790(b). Generally, the California Integrated Waste Management Board learns of locations of disposal facilities through permit applications and from local enforcement agencies.



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	WMUDS SRC#: 5857	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Waste Management Unit Database System (WMUDS) was February, 1999.
	2	This database is provided by the State Water Resources Control Board. The agency may be contacted at: 916-892-0323. This is used for program tracking and inventory of waste management units. This system contains information from: Facility, Waste Management Unit, SWAT Program and Report Summary Information, Chapter 15 (formerly Subchapter 15), TPCA and RCRA Program Information, Closure Information; also some information from the WDS (Waste Discharge System).
;		The WMUDS system also accesses information from the following databases from the Waste Discharger System (WDS): Inspections, Violations, and Enforcements. The sites contained in these databases are subject to the California Code of Regulations - Title 23. Waters.
	LUST SRC#: 6271	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #2-North and South Bay SLIC Report was July, 1999.
		This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: 510-286-1269.
	LUST RG6 SRC#: 6275	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Lahontan Region LUST List was August, 1999.
		This database is provided by the Lahontan Region Six South Lake Tahoe. The agency may be contacted at: 530-542-5400.
	LUST RG2 SRC#: 6428	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #2-San Francisco Bay Fuel Leaks List was September, 1999.
	•	This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: 510-286-1269.
	LUST RG5 SRC#: 6443	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #5-Central Valley Undergound Tank Tracking System was September, 1999.
		This database is provided by the Regional Water Quality Control Board, Region #5. The agency may be contacted at: 916-255-3125.
	LUST SRC#: 6527	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Region #5-Central Valley SLIC\DOD\DOE List was September, 1999.
		This database is provided by the Regional Water Quality Control Board, Region #5. The agency may be contacted at: 916-255-3000.
	LUST SRC#: 6545	VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Lust Information System (LUSTIS) was October, 1999.
		This database is provided by the California Environmental Protection Agency. The agency may be contacted at: 916-445-6532.



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CORTESE SRC#: 4840 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Cortese List-Hazardous Waste Substance Site List was April, 1998.

This database is provided by the Office of Environmental Protection, Office of Hazardous Materials. The agency may be contacted at: 916-445-6532.

The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed hazardous waste sites throughout the State of California under Government Code Section 65962.5. This database (CORTESE) is based on input from the following: (1)CALSITES-Department of Toxic Substances Control, Abandoned Sites Program Information Systems; (2)SARA Title III Section III Toxic Chemicals Release Inventory for 1987, 1988, 1989, and 1990; (3)FINDS; (4)HWIS-Department of Toxic Substances Control, Hazardous Waste Information System. Vista has not included one time generator facilities from Cortese in our database.; (5)SWRCB-State Water Resources Control Board: (6)SWIS-Integrated Waste Management Control Board (solid waste facilities); (7)AGT25-Air Resources Board, dischargers of greater than 25 tons of criteria pollutants to the air; (8)A1025-Air Resources Board, dischargers of greater than 10 and less than 25 tons of criteria pollutants to the air; (9)LTANK-SWRCB Leaking Underground Storage Tanks; (10)UTANK-SWRCB Underground tanks reported to the SWEEPS systems; (11)/UR-Inventory Update Rule (Chemical Manufacturers); (12)WB-LF- Waste Board -Leaking Facility, site has known migration; (13)WDSE-Waste Discharge System -Enforcement Action; (14)DTSCD-Department of Toxic Substance Control Docket.

Deed Restrictions SRC#: 1703 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Deed Restriction Properties Report was April, 1994.

This database is provided by the Department of Health Services-Land Use and Air Assessment. The agency may be contacted at: 916-255-2014. These are voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste".

California has a statutory and administrative procedure under which the California Department of Health Services (DHS) may designate real property as either a "Hazardous Waste Property" or a "Border Zone Property" pursuant to California Health Safety Code Sections 25220-25241. Hazardous Waste Property is land at which hazardous waste has been deposited, creating a significant existing or potential hazard to public health and safety. A Border Zone Property is one within 2,000 feet of a hazardous waste deposit. Property within either category is restricted in use, unless a written variance is obtained from DHS. A Hazardous Waste Property designation results in a prohibition of new uses, other than a modification or expansion of an industrial or manufacturing facility on land previously owned by the facility prior to January 1, 1981. A Border Zone Property designation results in prohibition of a variety of uses involving human habitation, hospitals, schools and day care center.

Toxic Pits SRC#: 2229 VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for Summary of Toxic Pits Cleanup Facilities was February, 1995.

This database is provided by the Water Quality Control Board, Division of Loans Grants. The agency may be contacted at: 916-227-4396.



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North BayVISTA conducts a database search to identify all sites within 1/2 mile of your property.SRC#: 1718The agency release date for North Bay County Toxic List-Region #2 Surface Spills was<br/>April, 1994.

This database is provided by the Regional Water Quality Control Board, Region #2. The agency may be contacted at: .

South BayVISTA conducts a database search to identify all sites within 1/2 mile of your property.SRC#: 1719The agency release date for South Bay Site Management System was April, 1994.

This database is provided by the San Francisco Bay Region. The agency may be contacted at: .

Water Wells SRC#: 5384

Vells VISTA conducts a database search to identify all sites within 1/2 mile of your property. The agency release date for USGS WATER WELLS was March, 1998.

The Ground Water Site Inventory (GWSI) database was provided by the United States Geological Survey (USGS). The database contains information for over 1,000,000 wells and other sources of groundwater which the USGS has studied, used, or otherwise had reason to document through the course of research. The agency may be contacted at 703-648-6819.

C) DATABASES SEARCHED TO 1/4 MILE

RCRA-Viols/Enf VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for HWDMS/RCRIS was September, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

UST's SRC#: 1612

VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for Underground Storage Tank Registrations Database was January, 1994.

This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks. The agency may be contacted at: 916-227-4364; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

UST's SRC#: 5275

VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for Alameda County UST List was September, 1998.

This database is provided by the Department of Environmental Health. The agency may be contacted at: 510-567-6700; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.



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	UST's SRC#: 5674	VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for City of San Leandro UST Listing was January, 1999.
	•	This database is provided by the San Leandro Fire Department. The agency may be contacted at: 510-577-3331; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.
	UST's SRC#: 6115	VISTA conducts a database search to Identify all sites within 1/4 mile of your property. The agency release date for City of Union Underground Storage Tanks List was July, 1999.
		This database is provided by the Union City Fire Department. The agency may be contacted at: 510-471-1424; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.
	UST's SRC#: 6249	VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for City of Oakland Underground Storage Tank List was April, 1999.
•		This database is provided by the City of Oaklan Fire Department, Office of Emergency Services. The agency may be contacted at: 510-238-3938; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.
	UST's SRC#: 6430	VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for City of Berkeley UST List was August, 1999.
		This database is provided by the City of Berkeley. The agency may be contacted at: 510-705-8152; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.
	<b>UST's</b> SRC#: 6529	VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for City of Hayward UST Report was September, 1999.
		This database is provided by the City of Hayward Fire Department. The agency may be contacted at: 510-583-4900; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.
	UST's SRC#: 6535	VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for City of Livermore and City of Pleasanton UST List was October, 1999.
÷		This database is provided by the City of Livermore Fire Department. The agency may be contacted at: 925-454-2361; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.
	AST's SRC#: 5513	VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for Aboveground Storage Tank Database was December, 1998.
		This database is provided by the State Water Resources Control Board. The agency may be contacted at: 916-227-4364.



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1
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. . .

• TRIS SRC#: 4946

VISTA conducts a database search to identify all sites within 1/4 mile of your property. The agency release date for TRIS was January, 1998.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

#### D) DATABASES SEARCHED TO 1/8 MILE

ERNS SRC#: 6181

VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for was August, 1999.

The Emergency Response Notification System (ERNS) is a national database containing records from October 1986 to the release date above and is used to collect information for reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of Transportation. The ERNS hotline number is (202) 260-2342.

RCRA-LgGen SRC#: 6379 VISTA conducts a database search to identify all sites within 1/8 mile of your property. The agency release date for HWDMS/RCRIS was September, 1999.

The EPA's Resource Conservation and Recovery Act (RCRA) Program Identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a complication by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste ( or 1 kg./month of acutely hazardous waste).

RCRA-SmGenVISTA conducts a database search to identify all sites within 1/8 mile of your property.SRC#: 6379The agency release date for HWDMS/RCRIS was September, 1999.

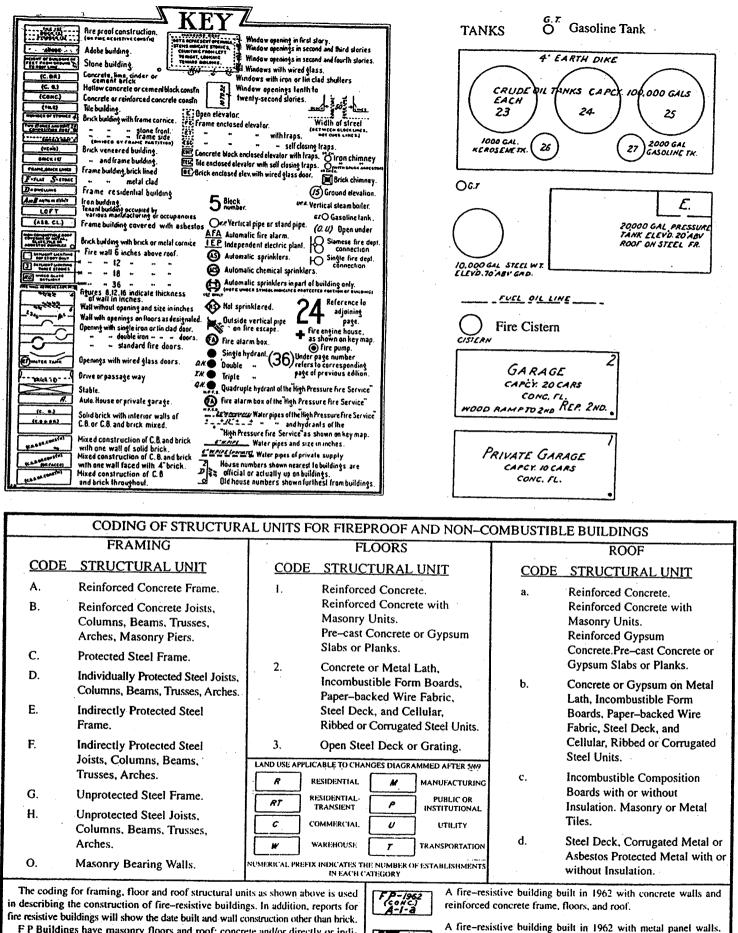
End of Report

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403. Report ID: 839301903 Version 2.6.1 Date of Report: January 21, 2000 Page #79

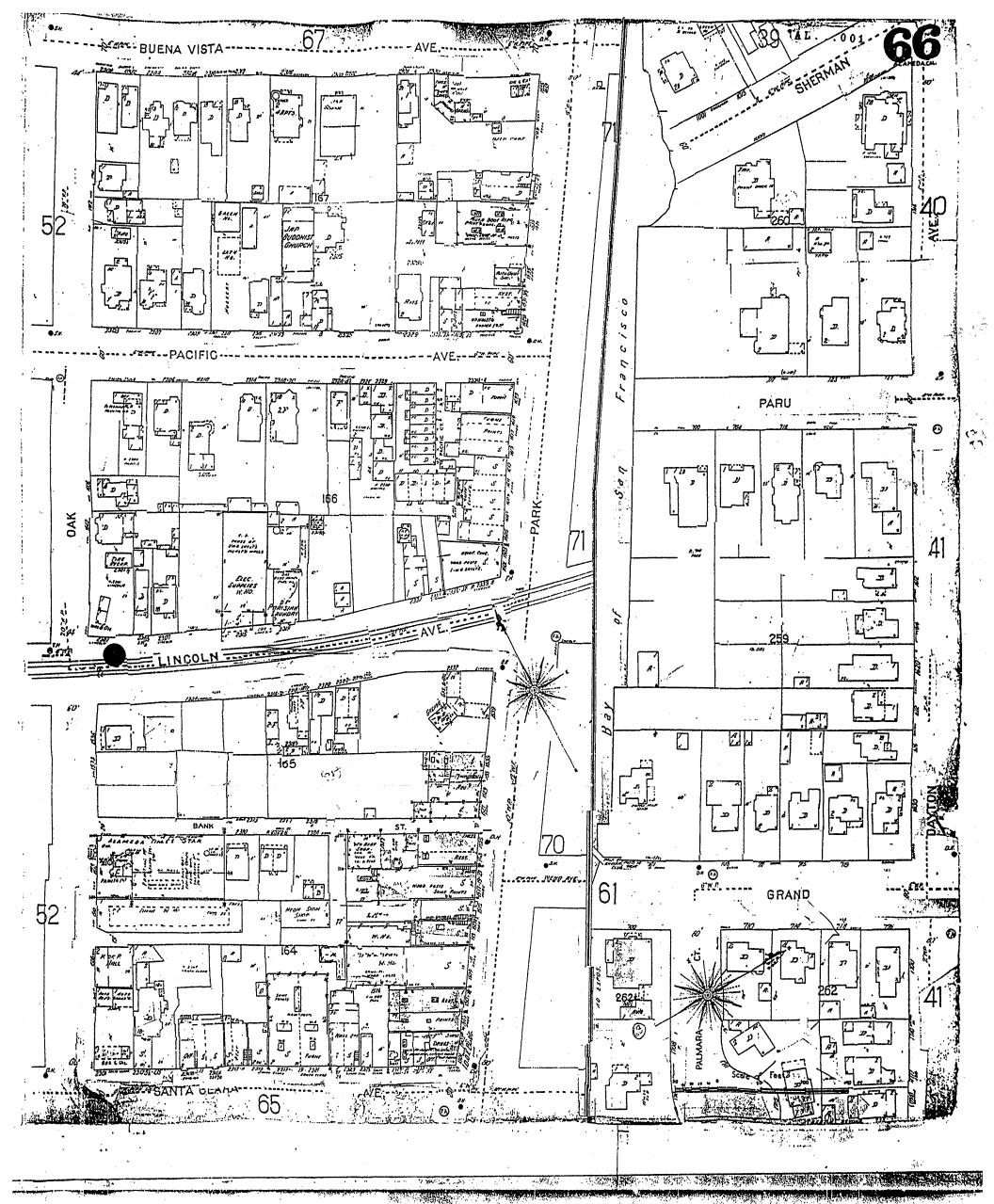
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	· · · · · · · · · · · · · · · · · · ·		L UNITS FOR FIREPROOF	AND NON-CO	MBUSTIBLE BUILDINGS		A.B. Lines. An arbitrary boundary between adjouring sheets. A. Printe success			
IDE Re Ca Ma Fra Ind Ca Ind Ca	RAMING STRUCTURAL UNIT isfurced Concrete Frame. infurced Concrete Frame. infurced Concrete Inists, lumms, Beams, Trusses, Arches, isvidually Protected Steel Joists, lumms, Beams, Trusses, Arches, lineetly Protected Steel Joists, inens, Beams, Trusses, Arches, protected Steel Frame. indunes, Beams, Trusses, Arches, protected Steel Frame. indunes, Beams, Trusses, Arches, protected Steel Joists, Columns, indunes, Beams, Instans, Arches, indunes, Beams, Trusses, Arches, indunes, Beams, Beams, Beams, Beams, Beams, Beams, Beams,	FLOORS DE_STRUCTURAL Reinfurced Concrete . Reinfurced Concrete with I Units. Pre-cast Concrete or Gyps Plants. Concrete or Metail Lath. Incombustible Form Based Paper-backed Wire Fabric. Steel Deck and Cellutar. Compared Skeel Units. Open Skeel Deck or Gratin.	Assentry     Assentry     Assentry     Assentry     Reinforced Com     Massentry     Massentry	rete. rete: with sum st Concrete or e Planks. Som on Metal Lath. form Boards, Paper- rice. Steel Deck, and we Corrugated Steel Uni- outposition Roards with m. Masonry or Metal ugated. Metal or Abbesto	$\frac{(COAC)}{A-1-4}$ crete walls fixes and re fixes and re fixes and re fixes and re fixes and re fixes and re h FPX - BH (Arrow America) B-2-4 (retroit America) B-2-4 (retroit America) B-2-4 (retroit America) B-2-4 (retroit America) A filterpriof beans, crete with state re converse the filter A min combu	to of Ferensistive buildings. In buildings will show the date brick, and ceilings. building built in 1962 with con- and reinforced concrete frame, not. building built in 1962 with metal reinforced concrete culourus and reinforced concrete culourus and reinforced concrete culourus and reinforced concrete culourus and reinforced concrete culourus and reit wills on metal lath and gyp- w; noncimultus/tible ceilings.	<ul> <li>A Private garage.</li> <li>AHZ Abave</li> <li>AE. Equipped with fire detecting devices which automatically signal a central fire department.</li> <li>AIR COND Air conting system employing duct-through fluors.</li> <li>APRON WALL A masteries wall eatending 5 or less abave foundation.</li> <li>ASSXX: RISK Risk ant underwritten by stock fire Inc. Comparise.</li> <li>BASEMENT A stury having its flow being mound and it's ceiling an least 4 above ground.</li> <li>Condensities.</li> <li>BASEMENT A stury having its flow being mound and it's ceiling an least 4 above ground.</li> <li>Condensities.</li> <li>BASEMENT A stury having its flow being mound and it's ceiling an least 4 above ground.</li> <li>Condensities.</li> <li>Condensities.</li> <li>Affect flow. Shown by the symbol B following basement symbol.</li> <li>CHIMMENS (Applicable to maps in Rock) Meontain &amp; Pacific Coast States.)</li> <li>BC. Bricks. stone. concrete brick &amp; concrete channmers.</li> <li>C. BL.C. Concrete Muck chinney.</li> </ul>			
	anto, Trusses, Arches. Isomry Bearing Walls only.			rith or without lasulation		ams and jurists; concrete floors on ad steel dock mof.	C.C. Non standard concrete chimney I.C. Tile Chimney			
<del>.</del>		· · · · · · · · · · · · · · · · · · ·	MASONRY CONSTRU	CTION	······		P.C. Patent chinney IB. CH. Iron chinneys S.P. Stove pipe			
	Important interior and all exterior ma- ings and residential buildings of five weighted () lines. <u>WALL</u>	sonry walls of all non-re or more dwelling units a	sidential build-   Masonry walls	of residential build adard line and the c ally, 1963.	ldings of four dwelling units or to construction is noted on all building OPENI	gs dia-	S.E.Y. Slove pipe with patent ventilator. <b>BESIDENTIAL OCCUPANCY SYMBOLS</b> D Single family unit or as qualified by a numeral. E.APTS A multi-family residential building corre- sponding with local Rating Batew definition in family units per floor, story height. & separation of			
5	8" Brick	Mixed Construction	of		(Interior)	(Exterior)	entrance. <u>800M G</u> A residential Building normally occupied by a single family but with 10 or more rooms rem-			
	12" Concrete	Mixed Construction Concrete Blocks and	of Top Coiling on		Wall with Double Standard Fire Doors 1st Floor Wall with Standard Fire	ist Ploor ist & 2nd Floors ard Floor	ed for lodging purposes. <u>EXCEPTIONS</u> : 6 rooms in Arizuna, California, Nevada, Utah & Montana; 5 rooms in Orègen & Washington; 4 rooms in Idaho & Hawaii.			
040	18" & 20" Stone		Concrete First	Floor only	Door Basement Wall with Substandard Fire	Ist & 4th Fl. with	EIRE RESISTIVE CONSTRUCTION SYMBOLS E.P. Approved masonry walls, floors & roof, interior			
	12" & 8" Hollow Tile Wall Thicknesses Placed Relative to Respective	J Faced	Hullow Cinder	or Concrete	Doors 1st & 3rd Floors Wall with Metal & Wired	Metal Shutter Ist	supports of approved masonry, concrete and/or pen- tected steel.			
لغد	Floors 4000		Block 1st Floo	ronly	Glass Fire Doors all Floors Wall with Substandard Fire	10th& 22nd only	EP.X. F.P. qualifications except inferior or sub-stan- dard walls. N.C. Fire resistive with unprotected structural steel			
	Brick	Hollow Cinder or Co Block Interior Wall Basement to Roof	oncrete de 240 Brick 2nd Floo	ronly	Doors 1st, 2nd & 3rd     Flours & Unprotected     Opening 4th Floor	10th & 22nd Fl.	units <u>HOLLOW WALL</u> A bonded masonry wall having a continuous air space within.			
	Hollow Cinder or Concrete mer_ Blocks, Pilastered	Tile Interior Wall Ba to Roof	isement macus Tile Ist & 3rd	Floor only		[·	LE.P. Independent Electric Plant. IMPASSABLE Not traversuble due to condition of ter-			
	C.00	Coment Brick End W	vali L]			Wired Glass in Metal Sash 2nd & 3rd FL	rain LEDGED WALL A masonry bearing walt with extended edges to support floors.			
		LOET Treasmed by industrial occupancies. <u>ML_&amp;P.</u> Concrete or plaster applied to metal lath on word studdings. <u>MS_&amp;G.</u> Metal ash & glass. <u>NOTO OPEN</u> Streets appearing on records but not open on ground. <u>QL</u> . Windows overlooking the root above the corre- sponding floor of an adjoining building								
	Plaster, Etc. on Wood Frame	wood & Sash G	Glass (IR) fron Building w Roof. (Location Extensive Wood Specifically note	of (ca.s	D Apron Walls with wood A.A. Sash and Glass	Asbestos Protected	Q.U. Open between ground and first floor.           PHLASTD. Masonry reinforcing columns in walts.           SKYTE. Skylights.           SL_CL. Slate attached to wood siding.           SM_HO. Smoke House.			
(END)	Veneered on Wood Frame Specifically Noted)	Ass Metal & Sash G (cc) Metal Clad on V Frame	Asbestos Clad o Frame, Noted in Residential Strue	Non Co	Stucco, Cement Plaster, Etc. on Steel Frame	Asbestos Protected	STABLE Shown by crossing or diagonal lines on dia- gram. SUSPD Suspended Ceilings below floor and/or roof beams. SYSE System. TRANSE Transformer.			
	Mixed Masonry & Non-Masonry( Type of Masonry Specifically		Mixed Wall(9"				WD, Word,			
an mula	Noteda	וישא Iron Building	et of the sash	Above we	Gunite on Steel Frame		RESIDENTIAL     MANI FACTURINI     FT RESIDENTIAL     FT RESIDENTIAL     TRASSENT     TRASSENT     TRASSENT     TRASSENT     WAREHOUSE     TRASSENTATION     WAREHOUSE     TRASSENTATION     WAREHOUSE     TRASSENTATION			
0			ngle Hydrant		Frame Enclosed Elevator with Self	2 Stories &				
-g	Fite Department Connection		nuble Hydrant	E	Closing Traps	S 28 1st Floor Oc 2-D 2 Residentia	scupied by Stare Il Units above 1st			
S V	contiguous sections of single risk		tiple Hydrant	ן בבי ן	Concrete Black Enclosed Elevator with Traps	Drive or Pas	usecway Ic Russi.			
ତ	Automatic Sprinklers all floors of building Automatic Sprinklers in part of building		undruple Hydrant of the High Pressure rvice		Tile Enclosed Elevator with self clusing Traps	IR CH Iron Chimac	y Brick Chimney			
ED Toma y	ed portion of building)		ater Pipes of the High Pressure Service	ן פני נ	Brick Enclosed Elevator with wired Glass Duor	M.CN.SA (with spark a	artestor)			
<b>\$</b>	Not Sprinklered		ater Pipes of the High Pressure Service shown on Key Map	i dila	Ópen Hoist Hoist with Traps	UP & Vertical Stea Horizontal S				
è	Automatic Chemical Sprinklers	===	oblic Water Service ivate Water Service	6772	Open Hoist Basement to 1st	Width of Str	eer herween Black Lines, nu			
\$	Chemical Sprinklers in part of building only (Note under Symbol indicated pro- tected portion of building)	<u>5742(094)</u>	VERTICAL OPENINGS	Ģ,	Stairs MISCELLANEOUS		err nearest to Buildings are			
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AFA Ø	Automatic Fire Alern Water Tank		ylight lighting 3 stories		Parapet 6" abuve Rusi Frame Curnice	24	divining Pase 5 Bluck Number			
	Water Tank Outside Vertical Pipe on fire Escape		ylight with Wited Glass in Metal Sash	k *	Parapet 12" above Roof	L4 Reference Ad	Synning Pape 3 Black Number			
r B	Fire Alzen Buc Noted "HPFS" on High Pressure Fire Service	Fin Hin	ien Elevakar anie Enclimed Elevakar anne Enclimed Elevakar with Traps	W HO.	Parapet 24" above Risof Recupient by Warebouse Metal, State, Tile or Asbeston Magle Russ Conceing Parapet 44" above Risof	Vic. or V	ieht as shuwn un Key Map Vacant VO Vacant & Open			



F P Buildings have masonry floors and roof; concrete and/or directly or indirectly protected steel framing; and clay brick, stone or poured concrete walls. F P X buildings are F P buildings with inferior walls such as concrete block, cement brick, metal or glass panels, etc.

N C buildings have unprotected steel framing and fire-resistive but non-masonry floors and roof. metal lath, noncombustible ceilings. A noncombustible building built in 1962 with concrete block walls; unprotected steel columns and beams; concrete floors on metal lath and steel deck roof.

indirectly protected steel frame, concrete floors and roof on



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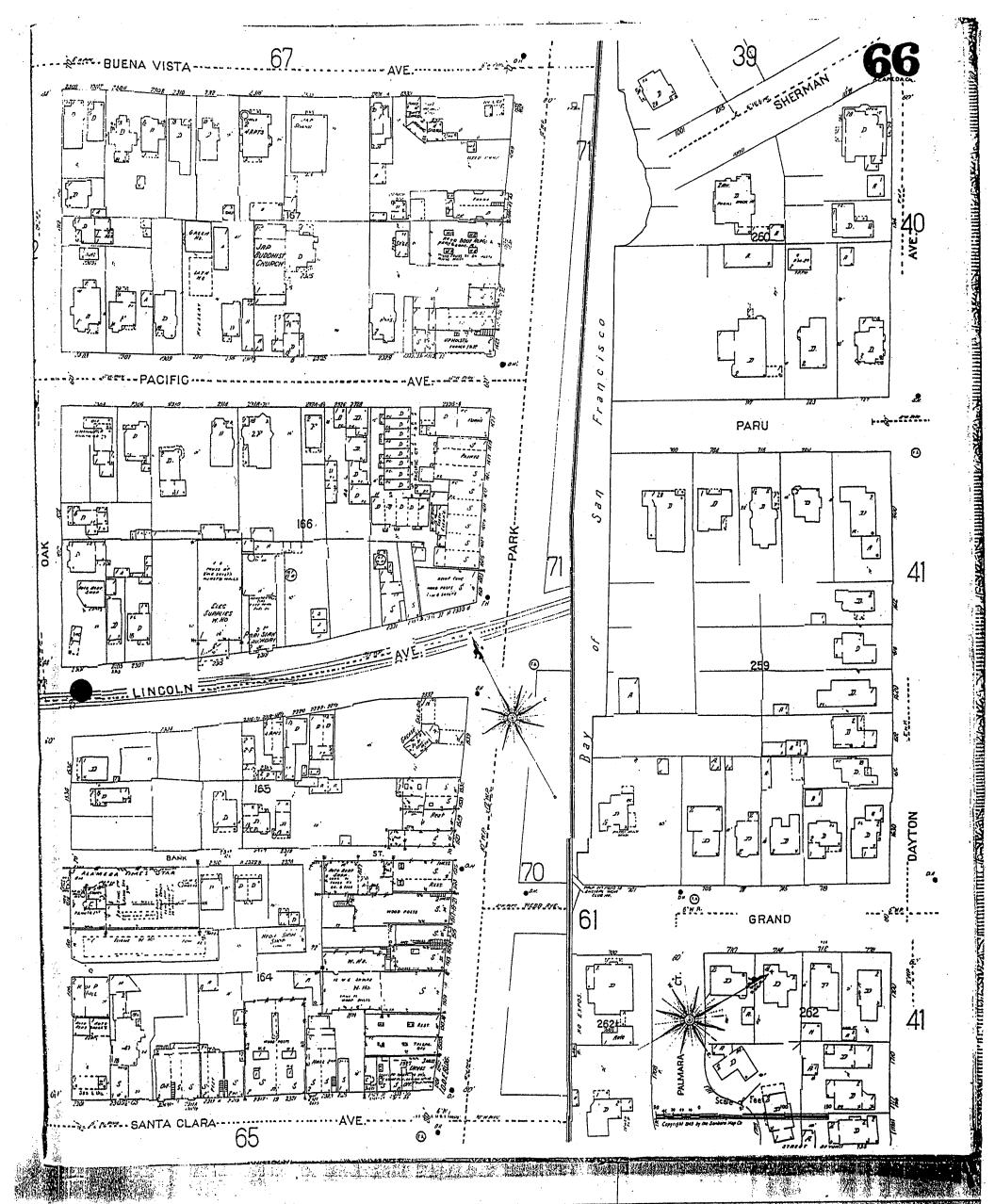
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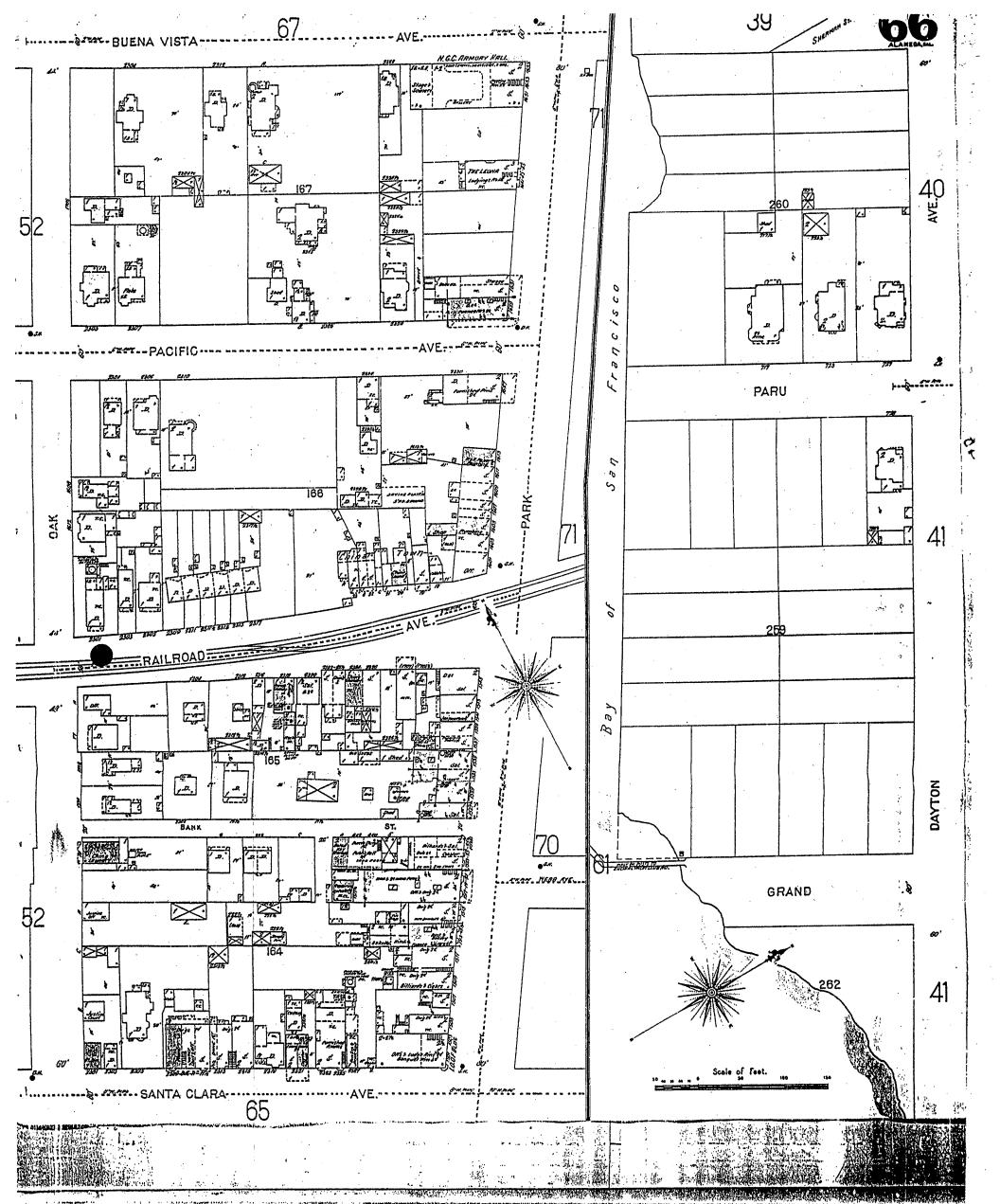
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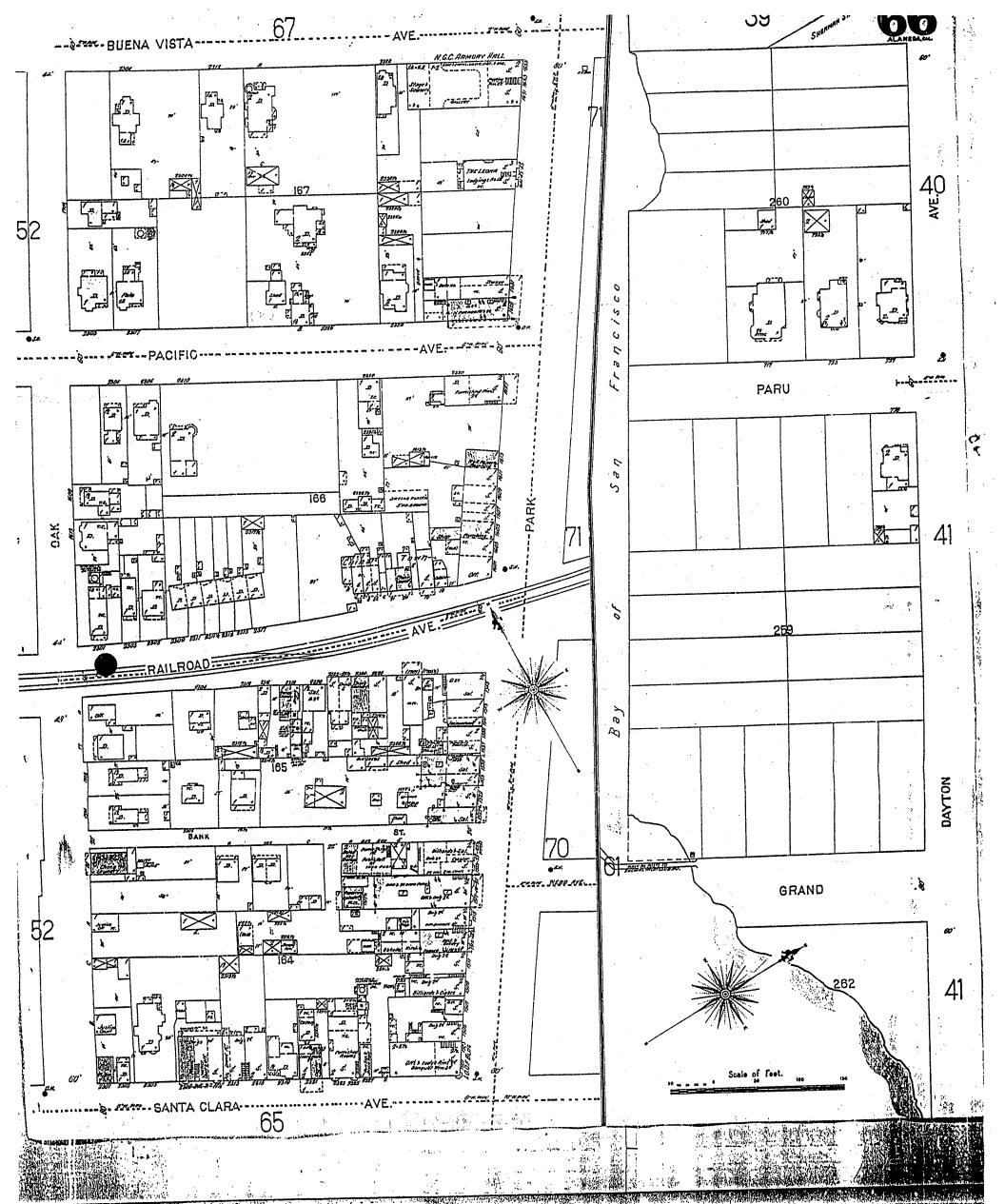
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### ATTACHMENT E

### Alameda Fire Department Underground Storage Tank Records



November 161 2001

Allan A. Sebanc 10 Stacy Ct. Hillsborough, Ca, 94010

From: Alameda Fire Prevention Bureau

2301-2307 Lincoln Ave.

Dear Sir;

To:

Re:

I want to apologize for the incorrect information I sent you back in July on the above addresses. Although, we have no record of hazardous material from our office. We have located our files which document tanks that have been removed on the property of 2301 Lincoln. According to our files for the above addresses, we have a listing of tank removals on the following dates;

8000 gallon tank- June/82 5000 gal. tank-6/82 5000 gal.tank -6/82 5000gallon tank-6/82 560 gal tank-6/82 250gal tank-6/82 250 gal tank-6/82

The Fire Prevention Bureau does not have any records of any Hazardous Material discharge on the above tank removals. Please be advised that the Alameda County Environmental Health department also keeps records of any hazardous materials. For further information please contact our office at 510-749-5885.

Thank You, 21

Bill Oyas Fire Inspector

Fire Department 1300 Park Succet

# Atmineda Fire Department Prevention Bureau 150 Mall Square Imeda, CA 94501 1510) 864-3413

Location: N.E. corner Lincoln and Oak Name: Shell Oil Station Liquid: Gasoline - 3 tanks - 5,000 gals. Installation: 2 feet underground, 6" slab Date Issued: September 30, 1958 Existing Tanks:

> Alameda Fire Department Fire Prevention Bureau 950 Mall Square Alameda, CA 94501 (510) 864-3413

Janks Remarch - June 1982 Location: 2301 Lincoln Ave. Name: Shell Oil Company Liquid: Gasoline - 1 tank - 8,000 gals. Installation: 2 feet underground with 6" concrete slab Date Issued: April 30, 1970 Existing tanks: 3 - 5,000 gals. each (Gasoline)

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