

REPORT OF SOIL EXCAVATION AND DISPOSAL ACTIVITIES

230 BAY PLACE, OAKLAND, CALIFORNIA

PREPARED FOR

BILL COX CADILLAC

RECEIVED

OCT 20 1994

ENVIRONMENTAL HEALTH SERVICES  
NORTH COUNTY

September 1994

*over excavation &  
sampling*

EOA, INC.

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Eisenberg, Olivieri, & Associates  
Environmental and Public Health Engineering  
1410 Jackson Street  
Oakland, CA 94612

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## 1.0 SCOPE OF REPORT

This report describes the soil excavation and disposal activities performed at 230 Bay Place, Oakland, California. The field activities were carried out in accordance with Task 1 of the Workplan for Further Investigation dated March 1994 (the Workplan). The purpose of Task 1 was to further evaluate the extent of soil contamination resulting from a former pipe leak and to remove the most visibly contaminated soils from beneath the pipe trench excavation to approximately the depth of groundwater (approximately five feet below the ground surface at the time the tank was removed). The work consisted of excavating and disposing of soils extending approximately two feet on either side of the former pipe location to depths ranging from 5 to 8 feet below grade. In addition, stockpiled soil generated during this excavation and during the tank excavation in January 1994 were disposed of at Forward Landfill; a Class II landfill located in Stockton California.

## 2.0 BACKGROUND

On January 26, 1994, an underground storage tank and the associated piping was removed from the Bill Cox Cadillac property located at 230 Bay Place, Oakland California. The tank was removed in accordance with the Closure Plan that was approved by the Alameda County Health Care Services Agency, Department of Environmental Health (Alameda County). Observations at the time of the underground tank removal indicated that the piping had failed and signs of past leakage (soil discoloration and odors) were evident in the pipe trench and in the excavation. In addition, soil sampling results confirmed elevated levels of constituents in some areas where samples were collected during the underground tank removal.

Based on the findings presented in the "Report of UST Closure Activities" dated April 1994, a workplan for further investigation was developed. The workplan addresses the following three tasks:

- Task I: Soil Excavation and Disposal
- Task II: Down Gradient Investigation
- Task III: Groundwater Monitoring Program

The workplan was approved for implementation by Alameda County June 7, 1994 and is included in Attachment A of this letter report. This report addresses implementation of Task 1 - Soil Excavation and Disposal. EOA acted as an environmental consultant to Mr. Bill Cox during the site activities associated with Task 1. EOA's responsibilities included observation and documentation of the soil excavation activities, soil sampling, and preparation of this closure report. Additional information pertaining to Task 1 activities performed by DECON Environmental Services will be provided in a separate report to be submitted by DECON Environmental Services.

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### 3.0 SITE ACTIVITIES

On June 22, 1994 limited soil excavation activities were performed at the Cox Cadillac site to remove the most contaminated soils immediately beneath the pipe trench excavation area above the saturated zone. The work was performed in accordance with the County approved workplan.

Four discrete soil samples were collected from the walls of the excavation to evaluate the effectiveness of removal of contaminated soils from the pipe trench. In addition, four composite samples were collected from the soil stockpiles and analyzed to determine the appropriate disposal method. All soil samples were placed in an ice chest and transported under chain-of-custody to Curtis and Tompkins, a California State Certified Analytical Laboratory, for analyses. Copies of the chain-of-custody forms are included in the attachment B; laboratory reports.

#### 3.1 Soil Excavation

An area of approximately 24 feet long by 8 feet wide was excavated by means of a backhoe to a depth ranging from approximately 5 to 8 feet. Figure 1 illustrates the location of the excavation trench. Most of the trench was excavated to a depth of approximately 5 feet, however, the end of the trench nearest the tank excavation (west end) was excavated to a depth of approximately 8 feet in an attempt to locate the groundwater level. Groundwater was not encountered in the excavation but the depth to groundwater was determined to be approximately 8 feet in monitoring well MW-1. EOA personnel (Lori Pettegrew) and Alameda County staff (Barney Chan) agreed that the depth of the remainder of the excavation should be above both the current groundwater level and the former groundwater elevation, approximately 5 to 6 feet deep. Further, a portion of the eastern end of the trench was excavated to a depth of approximately 7 feet in order to remove as much as possible of a pocket of highly-discolored soil. The excavation was terminated at 7 feet; leaving some discolored soil near the depth of groundwater measured at monitoring well MW-1. (See cross section of excavation on Figure 2)

Excavated soil was segregated into two stockpiles based on visible contamination (soil discoloration) and odors. The relatively "clean" soil was stockpiled separately from the relatively "dirty" (hydrocarbon-bearing) soil.

#### 3.2 Sidewall Sampling and Associated Results

Five discrete sidewall samples were collected from the excavation and analyzed to further verify the effectiveness of the soil excavation. See Figure 3 for the sample locations and Table 1 for a description of the sample location. Sampling locations were approved by Mr. Chan prior to sample collection. Samples S-1 and S-2 were collected from the western portion of the excavation from soils that did not appear to be visibly contaminated. Samples S-3 and S-4 were collected from the eastern portion of the excavation where a pocket of visibly discolored soil was encountered. After excavation was complete soil discoloration was limited to the eastern portions of the trench. Specifically, visibly contaminated soils remained at the eastern trench bottom; an area approximately 2 feet wide of discolored soil, and on the

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southeastern wall five feet below the ground surface; a one foot layer of discolored soil. A subsurface, concrete structure and the proximity to the building limited further excavation of the eastern portion of the trench. Photographs 1 and 2 present the north end of the trench. Photographs 3 and 4 present the discolored soil remaining in the eastern portion of the trench.

Under the direction of Mr. Chan, soil samples S-3 and S-4 were collected from the visibly contaminated material to represent the worst case concentrations remaining in the trench. Both samples were visibly contaminated.

The soil samples were collected by pushing 2-inch diameter stainless steel tubes directly into the sidewalls by hand and retrieving the tubes by digging around them with a hand trowel. The tubes were sealed on each end with teflon tape and plastic caps.

In addition, a photo-ionization device (PID) was available as a general field survey tool to evaluate sample locations and to further characterize the presence of hydrocarbons in the excavation soils. However, the PID was not operating correctly; reading high background levels and failing basic diagnostic testing, and did not provide reliable results. Therefore, visual observations and odors were relied upon to determine sample locations. TVH data presented in Table 2 shows that TVH concentrations did, in fact, correlate with the observed soil discoloration.

TABLE 2  
TVH Results

Sample I.D.	TVH (mg/L)
S1	2
S2	ND
S3	700
S4	620
S5	280

The five sidewall samples, S-1, S-2, S-3, S-4, and S-5, were analyzed for Total Volatile Hydrocarbons (TVH) as gasoline and for benzene, toluene, ethyl benzene, and total xylenes (BTEX). A summary of the analytical results for these analyses are presented in Table 3. Figures 4 through 8 illustrate the individual constituent concentrations detected in the trench. The analytical results indicate that low levels of hydrocarbons and BTEX remain in soil beneath the former pipe location. The concentration of contaminants was significantly higher in samples S-3, S-4 and S-5, collected from the eastern end of the excavation; near the documented location of the former pipe leak. The remaining two soil samples, collected from the west end of the excavation, had contaminant levels of less than 5 ppm.

### 3.3 Stockpile Sampling and Associated Results

Samples were collected from four soil stockpiles and analyzed to determine the appropriate disposal method. Stockpiles 1 and 2 were generated during tank excavation activities performed in January 1994. Stockpiles 3 and 4 were generated during excavation of the pipe trench performed on June 22, 1994.

One composite sample was collected from each stockpile. Composite samples were composed of five discrete subsamples that were collected by digging approximately one to two feet into the stockpile with a shovel and filling one-fifth of a 4 ounce glass jar with soil. This method was repeated until the jar was full (5 subsamples per jar). Filled jars were covered with teflon-top screw lids.

For waste classification purposes the stockpile samples were analyzed for TVH as gasoline, BTEX, Toxic Characteristic Leaching Procedure (TCLP) benzene, Total Threshold Limit Concentration (TTLC) for lead, Reactivity, Corrosivity, and Ignitability (RCI). In addition a fish bioassay was performed. A summary of the analytical results are presented in Table 4.

Based on the data presented in Table 4, none of the stockpiles are considered hazardous waste. In addition, the levels of detectable TVH and BTEX are considered acceptable for disposal at a Class II landfill.

### 4.0 SOIL DISPOSAL

Approximately 100 cubic yards of soil, generated during site excavation activities and during the underground tank removal, was disposed of at Forward Landfill located in Stockton California. Arrangements for soil profiling, transportation and disposal were performed by DECON Environmental Services. Documentation of the disposal is presented in Attachment 3.

### 5.0 SUMMARY AND CONCLUSIONS

Soil excavation activities were performed to remove the most contaminated soils immediately beneath the former pipe trench excavation area and above the saturated zone. Visibly contaminated soils (odors and soil discoloration) were primarily observed in the eastern portion of the excavation; near the former pipe leak location. A subsurface, concrete structure and the proximity to the building limited excavation of the eastern portion of the trench. A total of 100 cubic yards of soil were removed from the trench and disposed of at **Forward Landfill**. After excavation was complete, the maximum concentration of constituents detected in soils remaining in the trench were 700 ppm for TVH, 7.3 ppm for benzene, 36 ppm for toluene, 12 ppm for ethyl benzene and 68 ppm for total xylenes. These results, from sample S-4, appear from available information to represent the worst-case concentration of constituents remaining in the soil. This sample was visibly contaminated (odors and soil discoloration).

Based on the analytical results presented in this report and on the visible observations made during site activities, moderate levels of constituents remain in the site soils. Based on the sampling and observations reported above, it appears that the highest concentrations are 600 to 700 ppm of TVH at a depth of 4 to 5 feet below ground surface in the vicinity of the east end of the excavation. **It is recommended that potential impacts to the groundwater be evaluated before further soil excavation is performed.** Results of the groundwater monitoring program, in conjunction with results of this study, will be evaluated to determine if further soil remediation is necessary or if the remaining site contamination should be addressed through further groundwater monitoring or groundwater cleanup.

## 6.0 LIMITATIONS

The services performed by EOA, Inc. during implementation of Task 1 have been performed using that degree of care and skill ordinarily exercised by reputable professionals practicing under similar circumstances in this or similar localities. No other warranty, expressed or implied, is made by providing these consulting services. This report has been prepared by EOA, Inc. for Mr. Cox for submittal to Alameda County Health Department and other regulatory agencies. This report has not been prepared for use by other parties, and may not contain sufficient information for the purposes of other parties or uses.

It should be recognized that subsurface conditions may vary from those encountered at the location where samples are collected. The data, interpretation and recommendations of EOA, Inc. are based solely on the information available to EOA, Inc. during the project. EOA, Inc. will be responsible for those data, interpretations and recommendations, but shall not be responsible for the interpretation by others of the information developed.

Because of the limitations inherent in sampling, and the variability of natural materials, determining the absence of any chemical except in the immediate vicinity of a sample can rarely be done with complete certainty. The only way to determine that a site is absolutely free of chemicals of concern is to sample and analyze all the soil and groundwater at the site, which is impractical and costly. Balancing the level of confidence required against the budgetary constraints is difficult. The sampling and analysis in this investigation were defined in the Workplan For Further Investigation; March 1994 approved by the Alameda County Health Department on June 7, 1994.



**Table 1**  
**Sidewall Sample Locations**  
**Cox Cadillac**  
**Oakland, Ca**

<b>Sample Number</b>	<b>Depth (ft)</b>	<b>Location</b>
S-1	7	Building side at the brick wall
S-2	3	6.5 feet from brick wall
S-3	4	18 feet from brick wall
S-4	4.5	18 feet from brick wall, building side
S-5	5	17 feet from brick wall

**Table 3**  
**Sidewall Sampling Analytical Results (mg/kg)**  
**Cox Cadillac**  
**Oakland, Ca**

<b>Sample Number</b>	<b>TVH as Gasoline</b>	<b>Benzene</b>	<b>Toluene</b>	<b>Ethyl Benzene</b>	<b>Total Xylenes</b>
S-1	2	0.360	0.210	0.013	0.079
S-2	ND (1)	0.100	0.073	ND (0.005)	0.025
S-3	700	7.3	36	12	68
S-4	620	6.1	29	9.7	53
S-5	260	3.1	9.9	3.3	18

**Notes:**

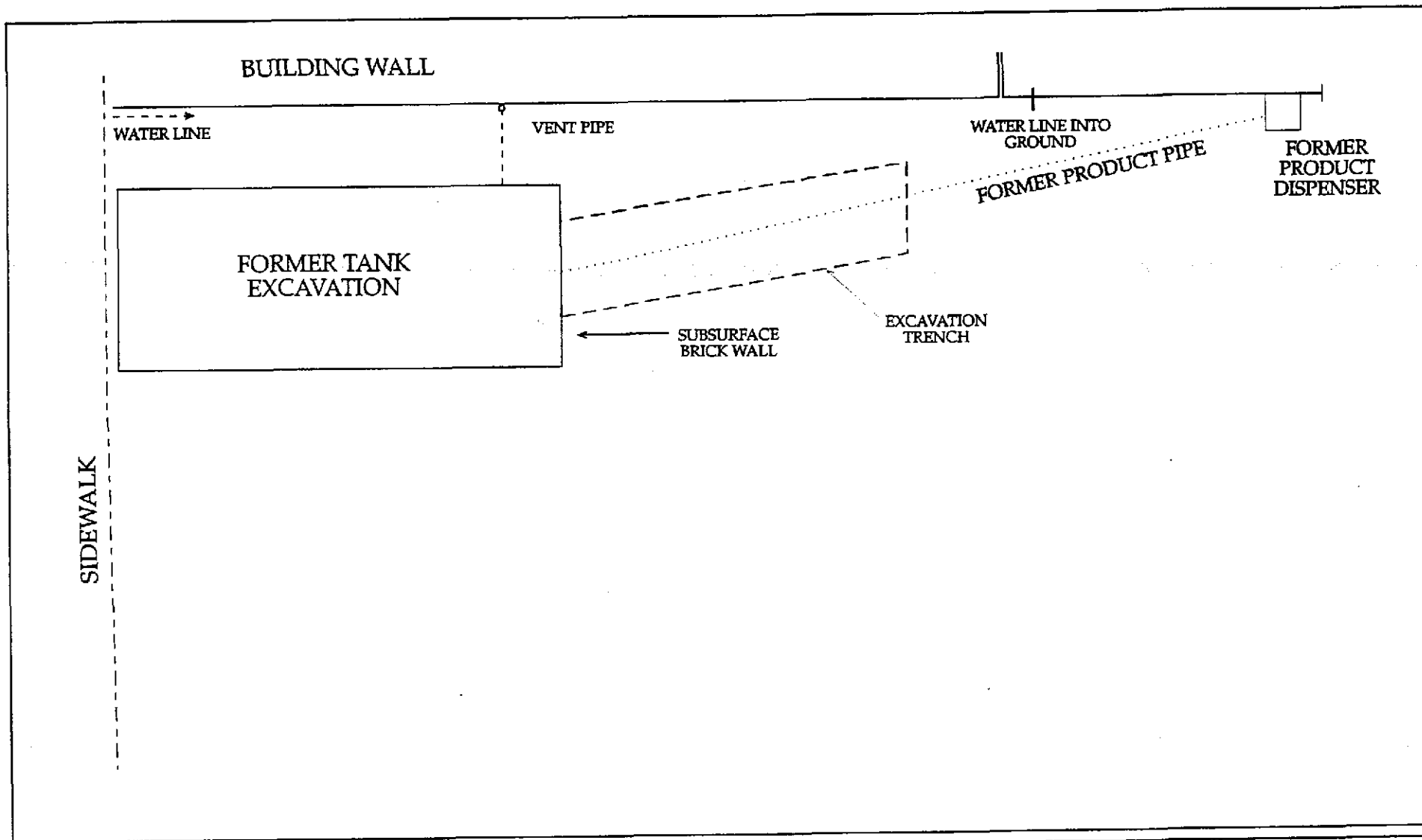
1. TVH - Total Volatile Hydrocarbons; TVH by California DOHS Method/LUFT Manual, October 1989
2. ND - Not Detected at detection limits (listed in parentheses)

**Table 4**  
**Stockpile Sample Analytical Results**  
**Cox Cadillac**  
**Oakland, Ca**

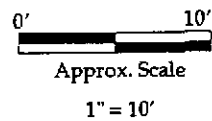
Sample Number	Soluble (TCLP) Benzene (mg/L)	Total Lead (mg/kg)	pH	Reactivity	Ignitability	BioAssay 96-hr. LC50	TVH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Total Xylenes (mg/Kg)
C-1	ND (0.02)	7.5	9.2	Not Reactive	Does Not Ignite	> 750mg/l Pass	ND (1)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
C-2	ND (0.02)	14	9.0	Not Reactive	Does Not Ignite	> 750mg/l Pass	ND (1)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
C-3	ND (0.02)	470	9.3	Not Reactive	Does Not Ignite	> 750 mg/L Pass	26	ND (0.030)	0.130	0.140	1
C-4	ND (0.02)	ND (4.9)	9.1	Not Reactive	Does Not Ignite	> 750 mg/L Pass	1,300	ND (0.8)	19	20	120

NOTES:

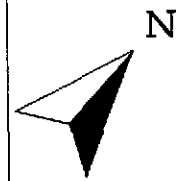
1. TCLP - Toxicity Characteristic Leaching Procedure; Regulatory Limit: 0.5 mg/L
2. Total Threshold Limit Concentration; Regulatory Limit: 1,000 mg/Kg
3. ND - Not Detected at the detection limit (listed in parentheses)
4. BioAssay - California Department of Fish and Game, 1988, "Static Acute Bioassay Procedures for Hazardous Waste Samples."



**LEGEND**

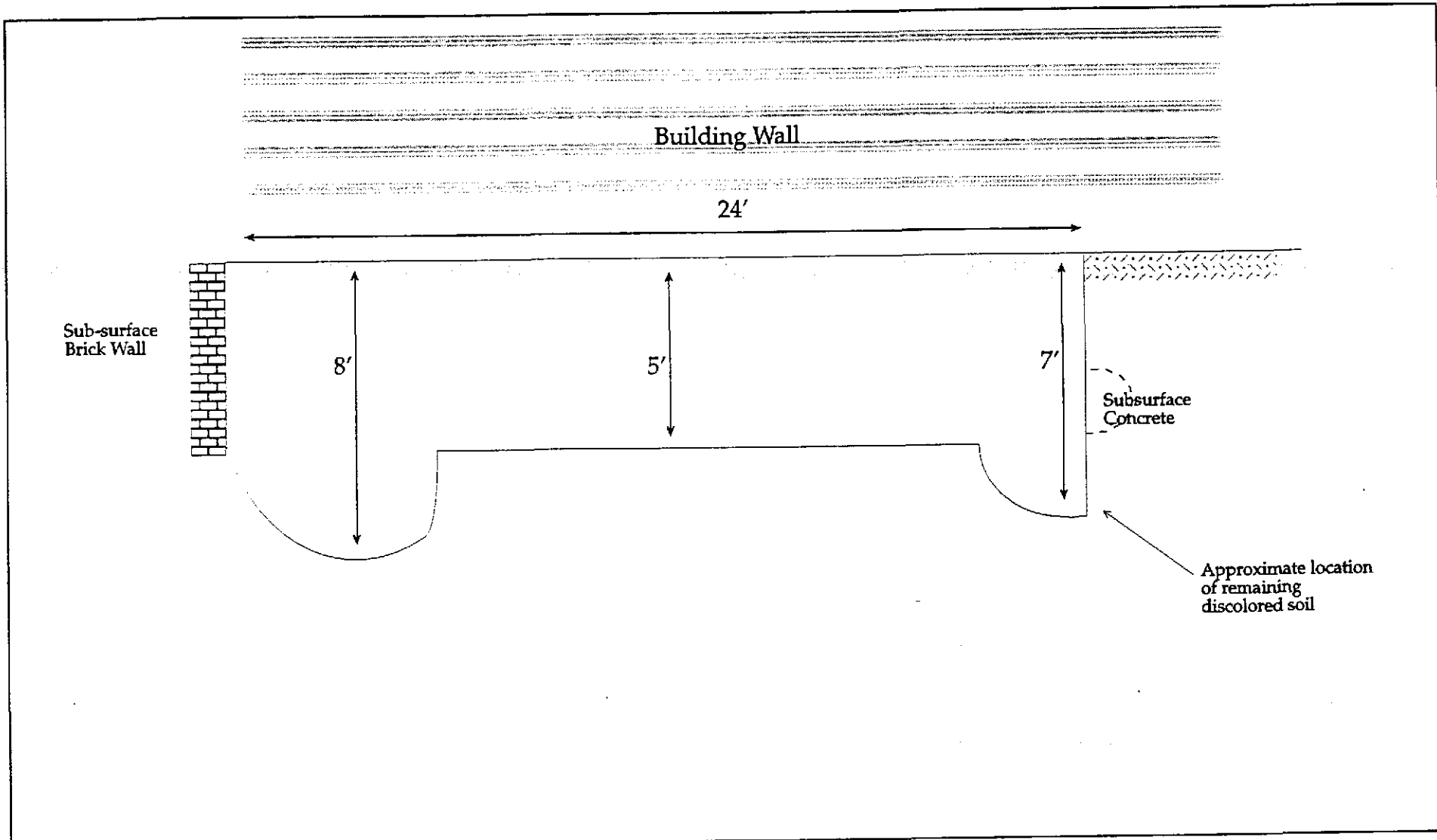


**FIGURE 1**  
Excavation of Former Pipe Trench  
Bill Cox Cadillac  
230 Bay Place  
Oakland, California

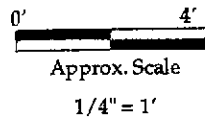


**EOA, Inc.**

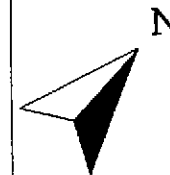
August 1994



**LEGEND**

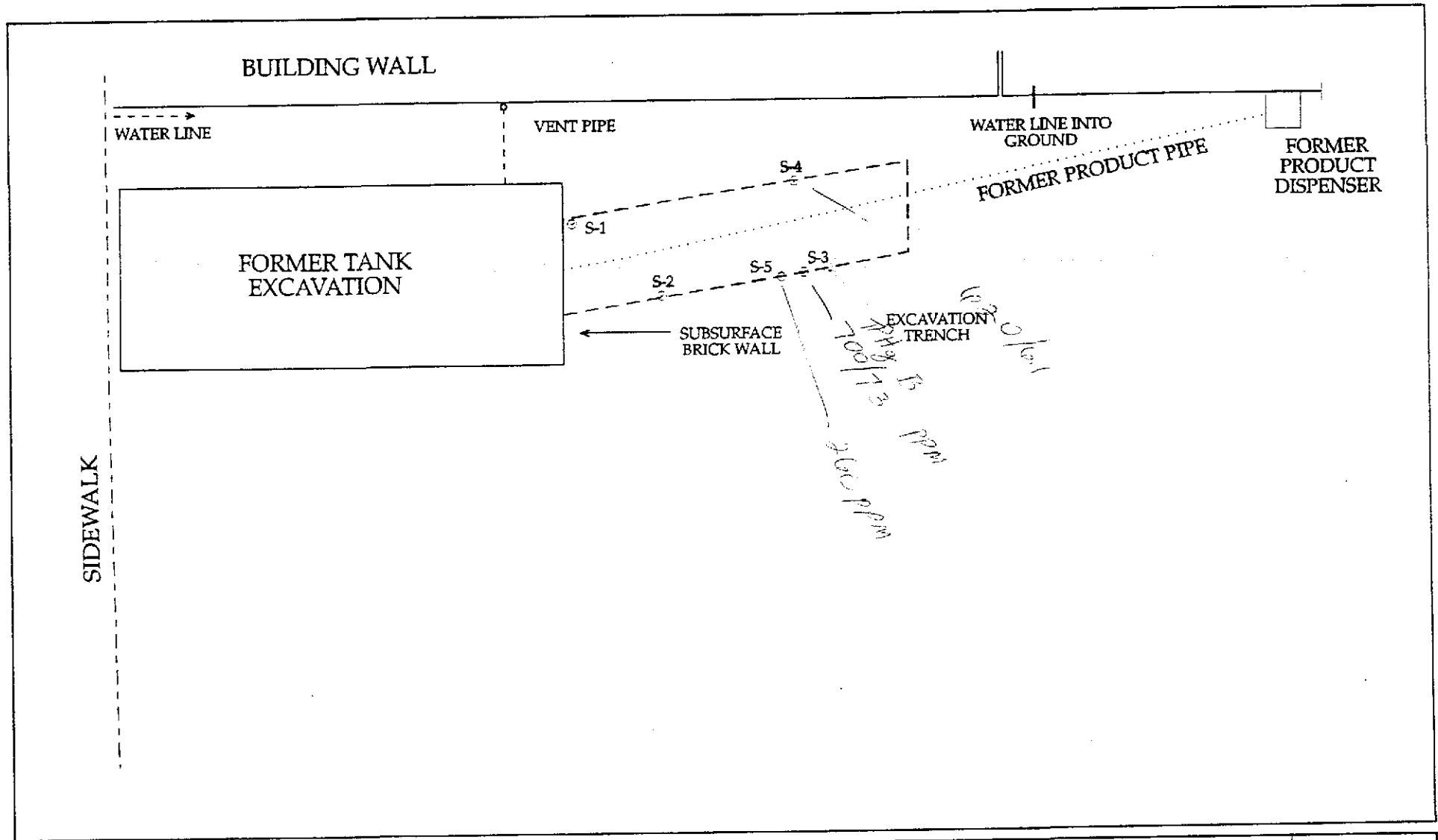


**FIGURE 2**  
 Cross-section of  
 Excavation of Former Pipe Trench  
 Bill Cox Cadillac  
 230 Bay Place  
 Oakland, California



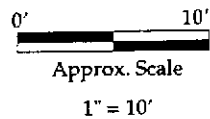
**EOA, Inc.**

August 1994

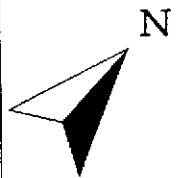


**LEGEND**

⊙ Soil sample location

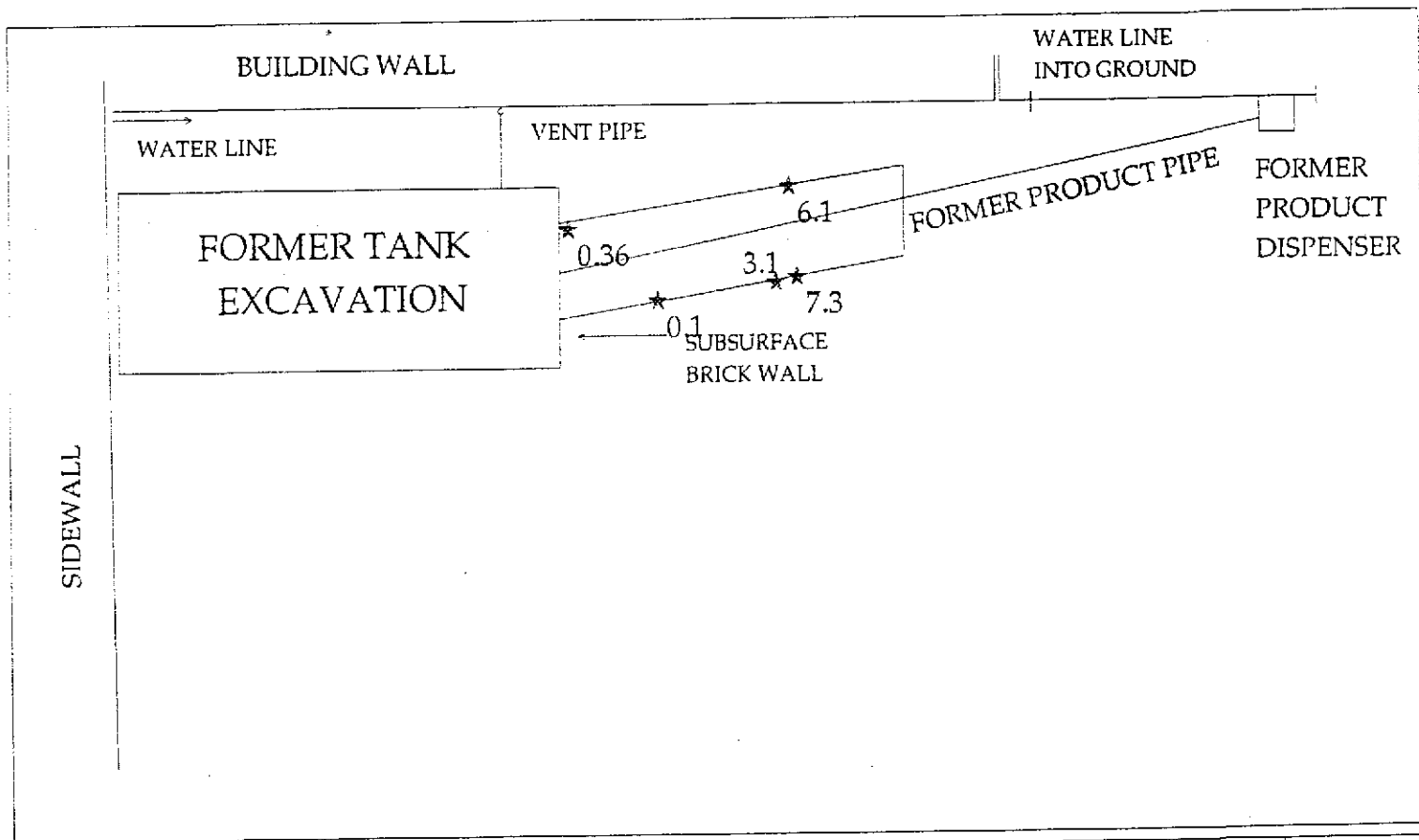


**FIGURE 3**  
Soil Sample Locations  
Bill Cox Cadillac  
230 Bay Place  
Oakland, California

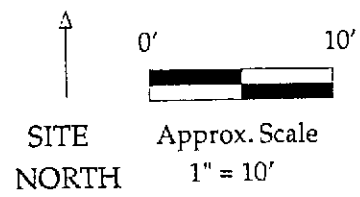


**EOA, Inc.**

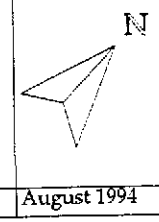
August 1994



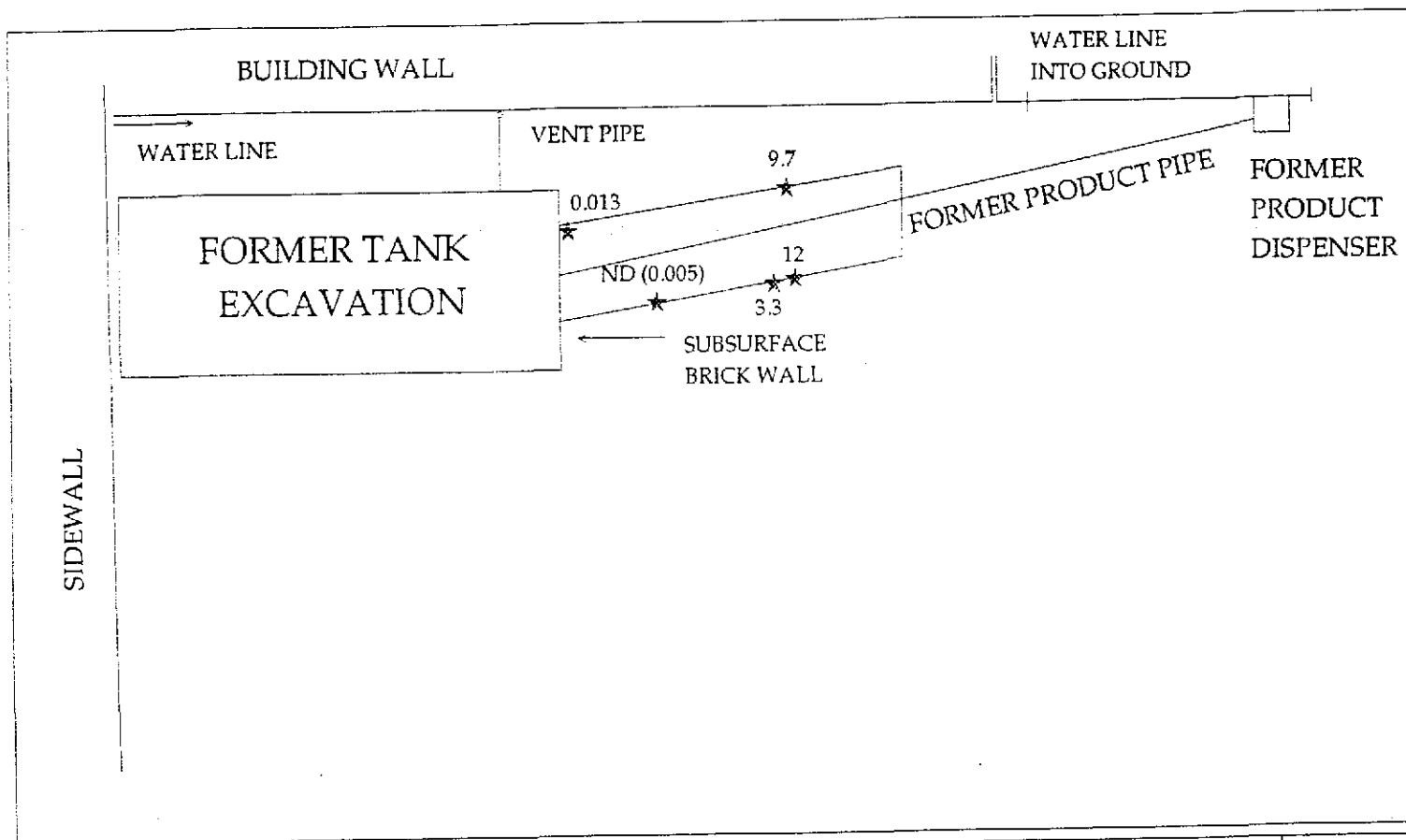
**LEGEND**  
 ★ Soil Sample Location  
 Benzene  
 Concentration (mg/Kg)



**FIGURE 4**  
 Analytical Results - Benzene  
 Bill Cox Cadillac  
 230 Bay Place  
 Oakland, California

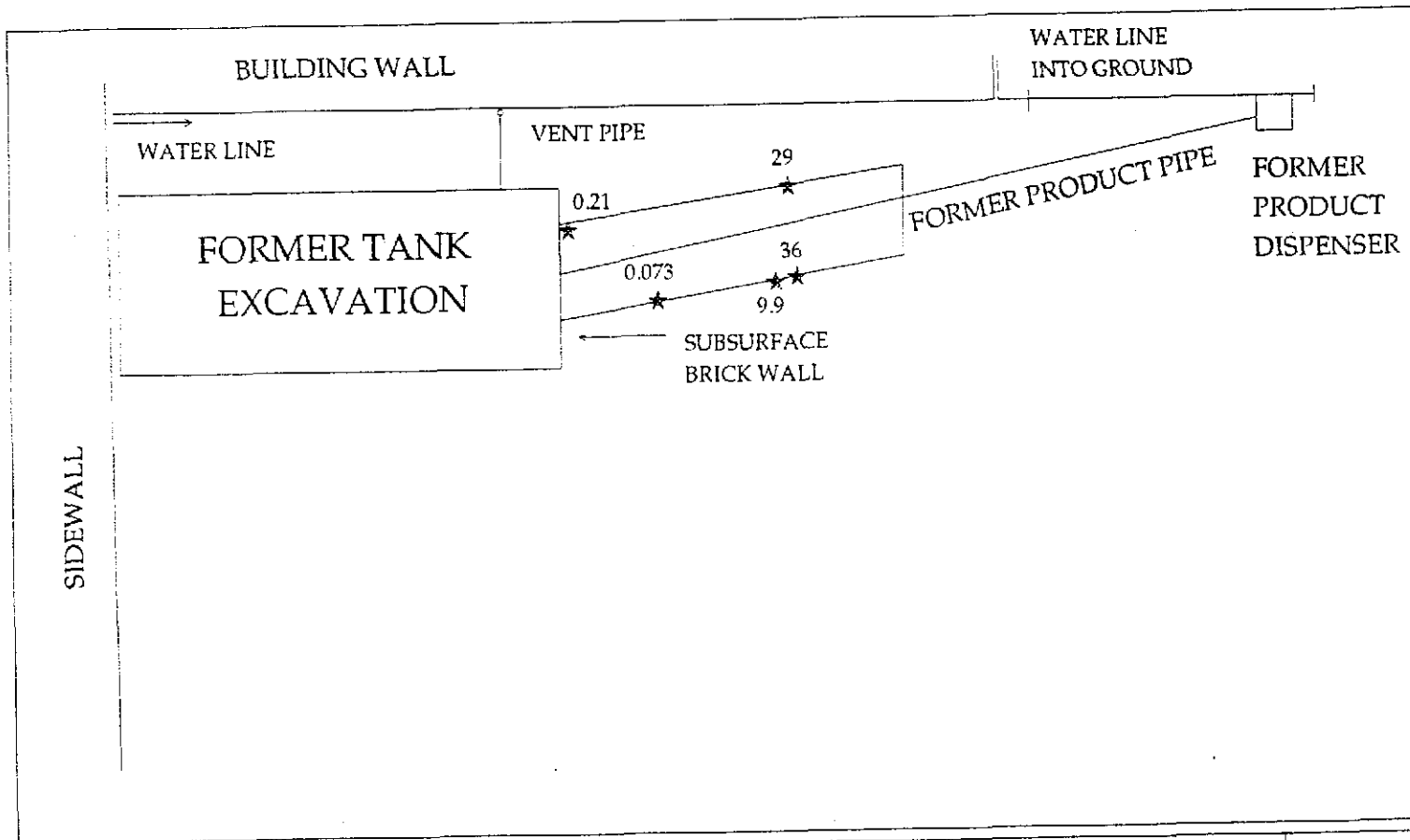


EOA, Inc.



<p><b>LEGEND</b></p> <p>★ Soil Sample Location</p> <p>Ethyl Benzene Concentration (mg/Kg)</p>	<p>↑</p> <p>SITE NORTH</p> <p>0'      10'</p> <p>█</p> <p>Approx. Scale</p> <p>1" = 10'</p>	<p><b>FIGURE 5</b></p> <p>Analytical Results - Ethyl Benzene</p> <p>Bill Cox Cadillac</p> <p>230 Bay Place</p> <p>Oakland, California</p> <p>EOA, Inc.</p>	<p>N</p> <p>August 1994</p>
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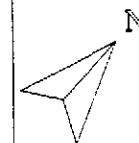
**LEGEND**

- ★ Soil Sample Location
- Toluene
- Concentration (mg/Kg)

▲  
SITE  
NORTH

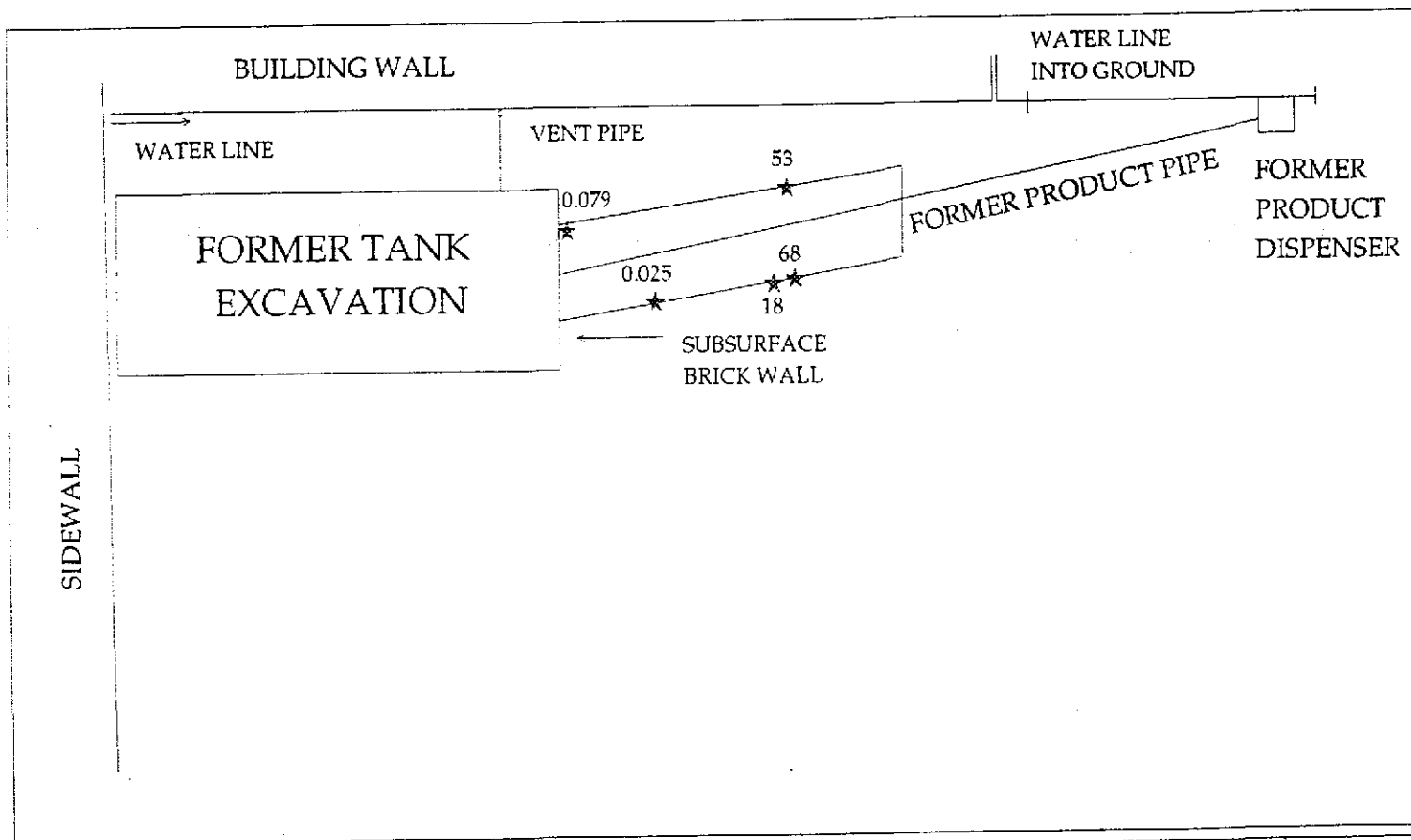
0' 10'  
Approx. Scale  
1" = 10'



**FIGURE 6**  
Analytical Results - Toluene  
Bill Cox Cadillac  
230 Bay Place  
Oakland, California

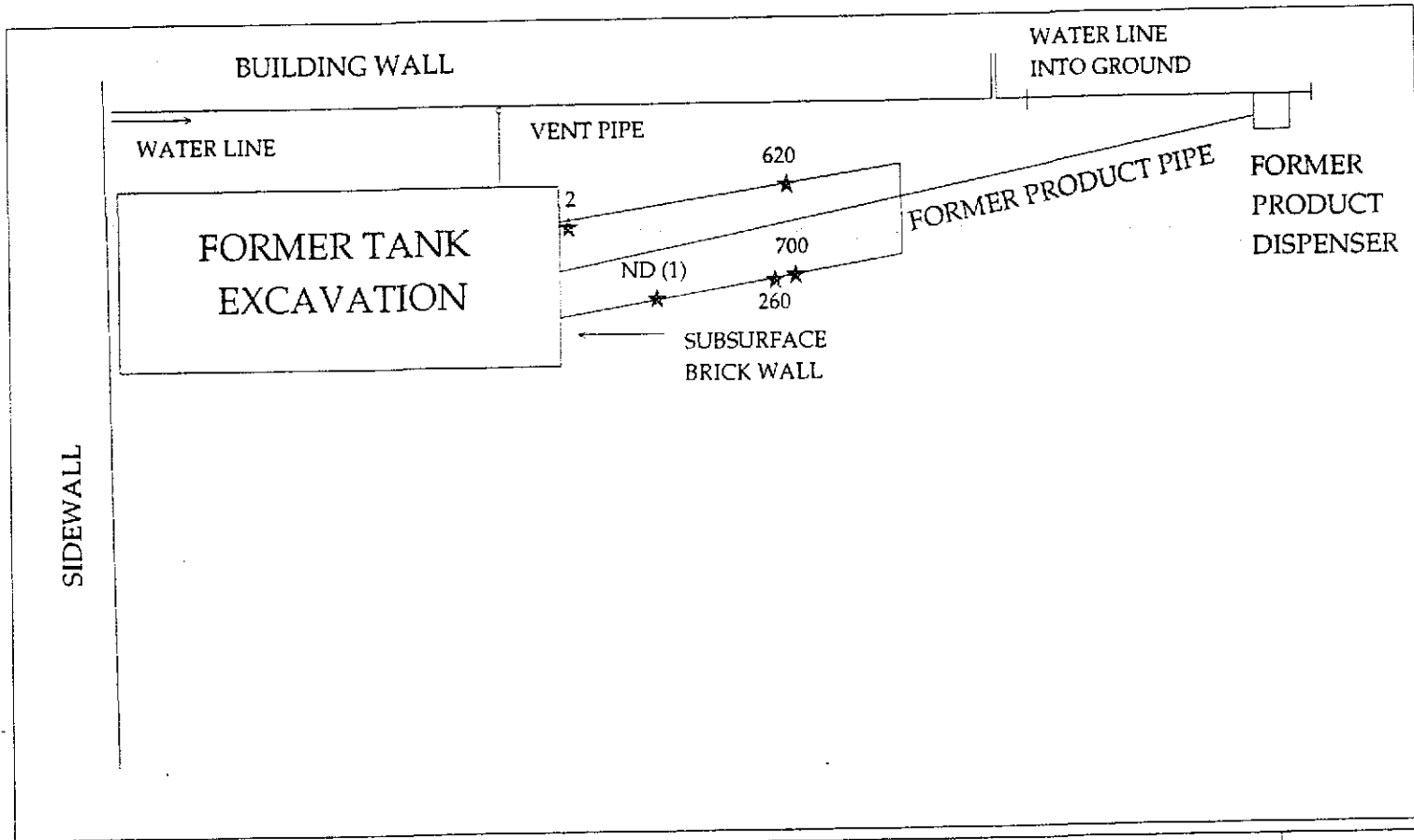



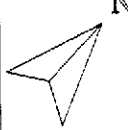
EOA, Inc.

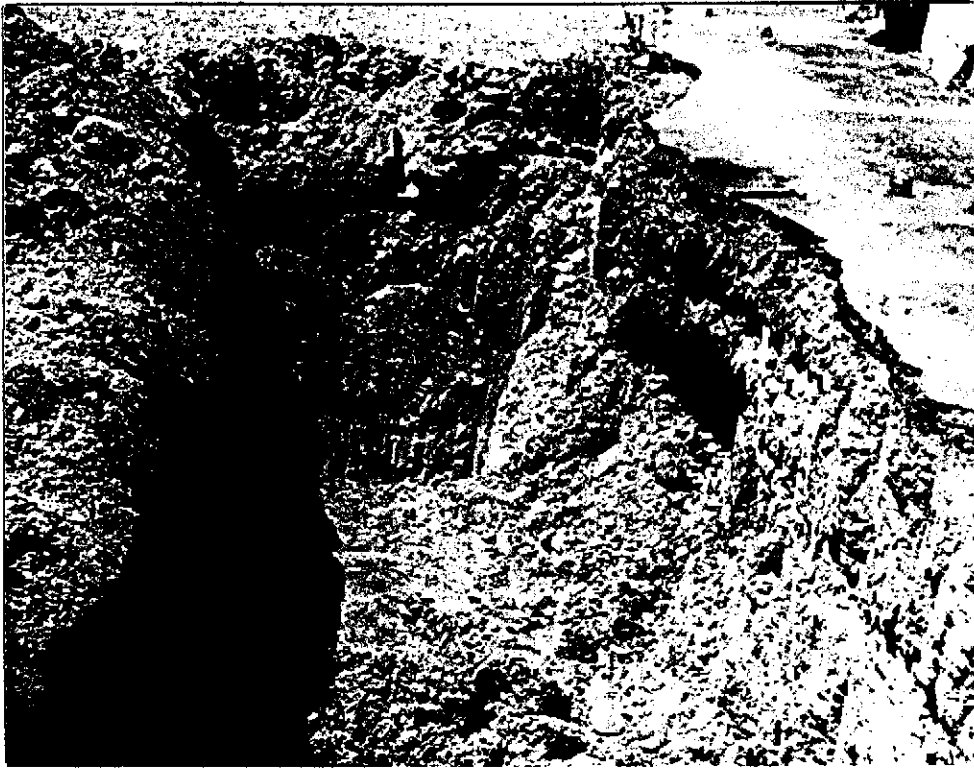
August 1994



<p><b>LEGEND</b></p> <p>★ Soil Sample Location</p> <p>Total Xylenes Concentration (mg/Kg)</p>	<p>↑ SITE NORTH</p> <p>0'      10'</p>  <p>Approx. Scale 1" = 10'</p>	<p><b>FIGURE 7</b></p> <p>Analytical Results - Total Xylenes</p> <p>Bill Cox Cadillac 230 Bay Place Oakland, California</p> <p>EOA, Inc.</p>	<p>N</p>  <p>August 1994</p>
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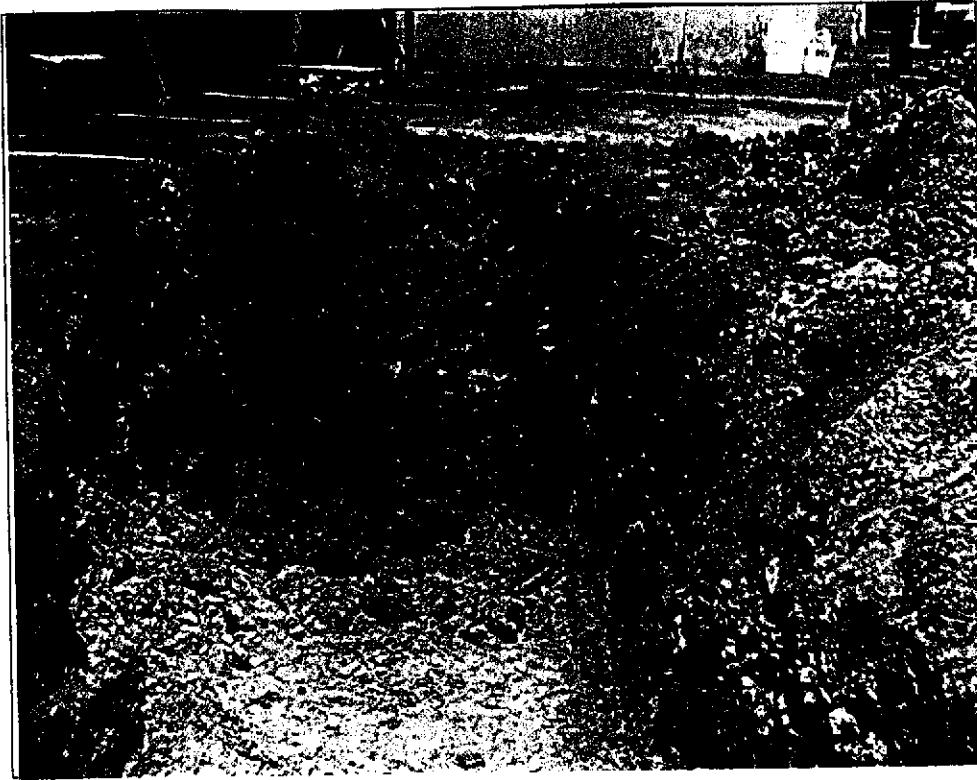
<p><b>LEGEND</b></p> <p>★ Soil Sample Location</p> <p>TVH Concentration (mg/Kg)</p>	<p>↑ SITE NORTH</p> <p>0'      10'</p>  <p>Approx. Scale 1" = 10'</p>	<p><b>FIGURE 8</b></p> <p>Analytical Results - TVH</p> <p>Bill Cox Cadillac 230 Bay Place Oakland, California</p> <p>EOA, Inc.</p>	<p>N</p>  <p>August 1994</p>
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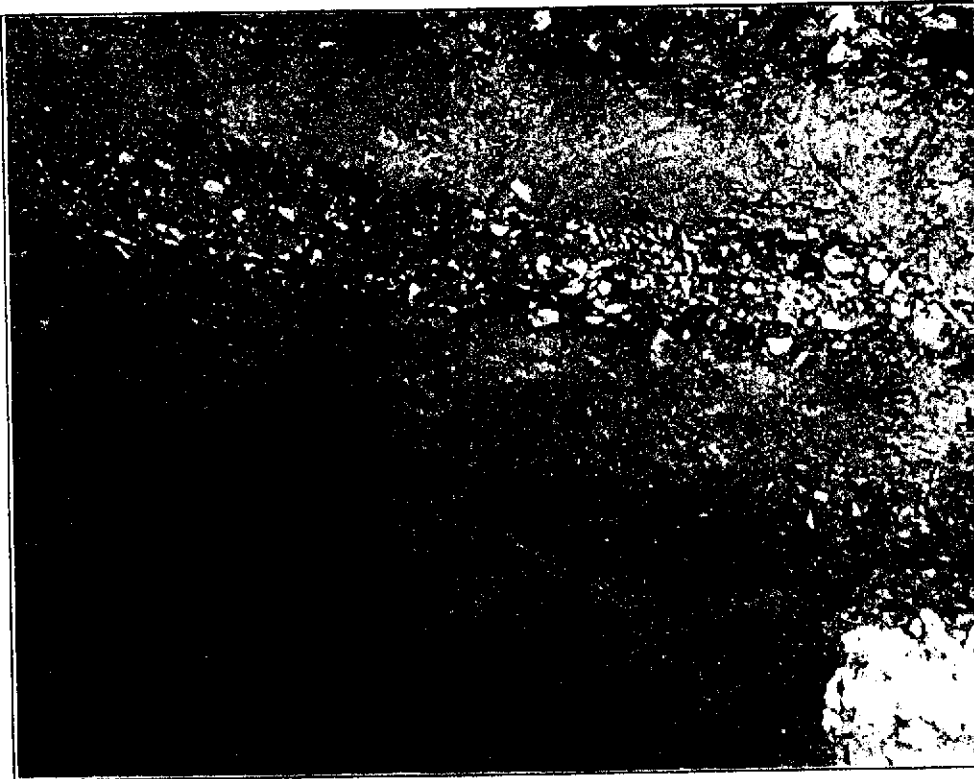
Photograph 1 - West End of Excavation



Photograph 2 - West End of Excavation



Photograph 3 - East End of Excavation



Photograph 4 - Pocket of Discolored Soil--East End of Excavation

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

June 7, 1994  
STID 494

Bill Cox Cadillac  
ATTN: Bill Theuringer  
230 Bay Pl.  
Oakland, CA 94612

RE: 230 Bay Pl., Oakland, CA 94612

Dear Bill Theuringer:

This office has received a Workplan for Further Investigation dated March 1994 by EOA, Inc. for the above site. This office concurs with the proposal except for the selection of wells which is mentioned on page 5, as follows:

TW-1 and TW-2 were both found to be ND on the sampling that was done. Furthermore, they both are essentially upgradient since the former waste oil tank area does not seem to be involved in any of the existing contamination. This office recommends that instead TW-2 may be used for an upgradient well, if that is needed and that TW-6 should be used to better define the lateral extent of contamination.

If you have any questions, please contact this office at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Thomas Peacock'.

Thomas Peacock, Supervising HMS  
Hazardous Material Division

cc: Edgar Howell, III, Chief - files  
Gil Jensen, Alameda County District Attorney's Office  
H. W. Shephard, Jr., Wells Fargo Bank Trust, P.O. Box  
63700, San Francisco, CA 94163  
Hubert Lenczowski, Knox Ricksen, 1999 Harrison St., Suite  
1700, Oakland, CA 94612-3500  
Rory Campbell, Hanson, Bridgett, Marcus, Vlahos & Rudy, 333  
Market St., Suite 2300, San Francisco, CA 94105  
Robert Creps, PES Environmental, Inc., 1682 Novato Blvd.,  
Suite 100, Novato, CA 94947  
EOA, Inc., 1410 Jackson St., Oakland, CA 94612

## WORK PLAN

The following work plan has been prepared to address the recommendations presented in the "Report of UST Closure Activities" prepared for Bill Cox Cadillac February 1994. The workplan has been divided into the following three Tasks:

- Task I: Soil Excavation and Disposal
- Task II: Down Gradient Investigation
- Task III: Groundwater Monitoring Program

EOA will provide project management services throughout the three tasks of work to ensure the timely completion of the project and minimize associated problems of cost overruns, delays, and interruption in the daily activities performed at the site. In addition, EOA will observe and document all of the major tasks being performed and provide consultation services as needed. Lastly, we will verify that all regulatory agencies requiring notification have been contacted.

The following work plan describes each task of work.

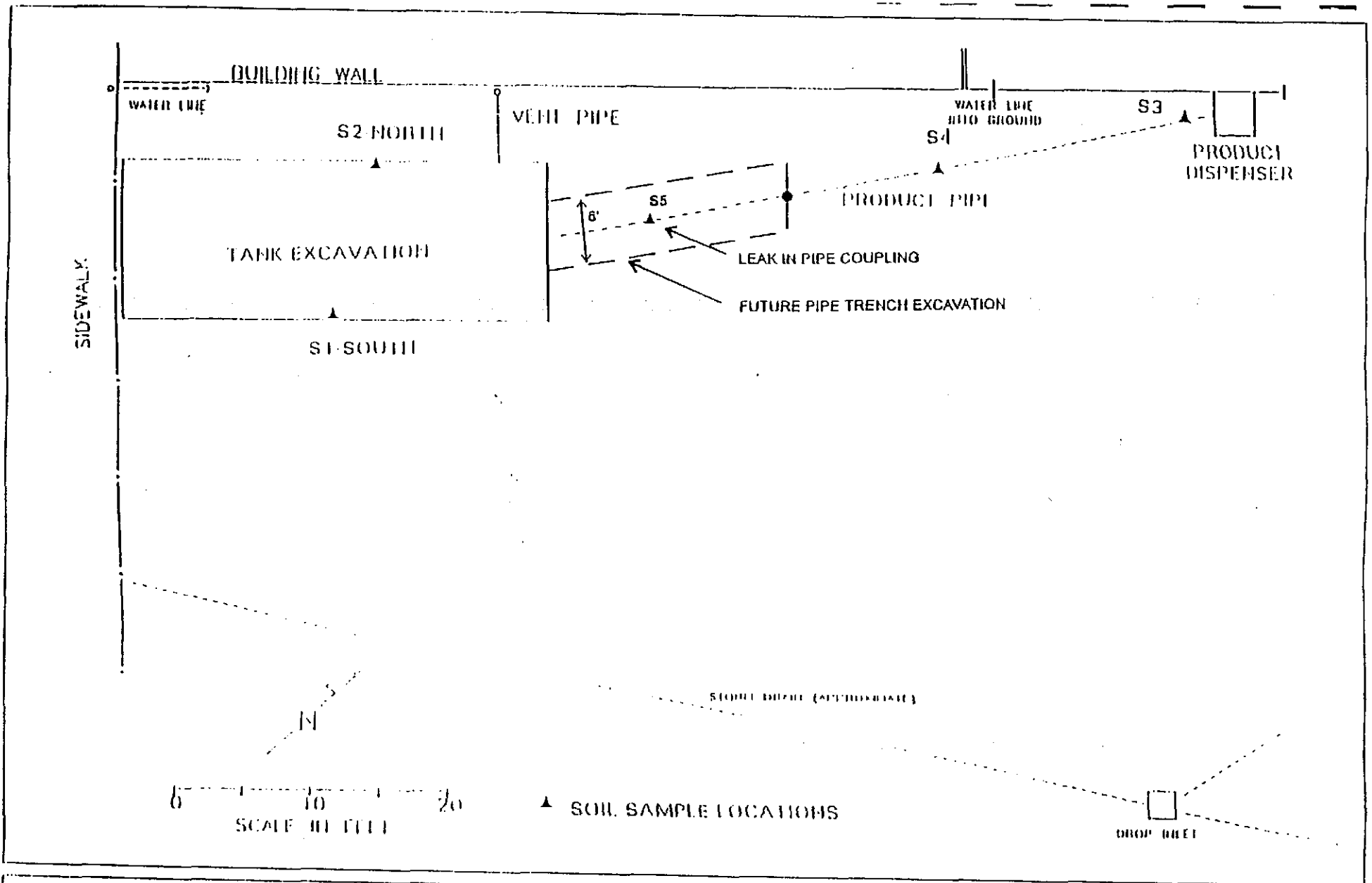
### TASK I. SOIL EXCAVATION AND DISPOSAL

Disposal options for the soil currently stockpiled on site will be evaluated during Task I activities. We have estimated that the existing soil stockpile is approximately 50 yd<sup>3</sup>. In addition, limited soil excavation and disposal activities will be performed to remove the most contaminated soils immediately beneath the pipe trench excavation area above the saturated zone. An OVA meter will be used to screen the pipe trench excavation area. In addition, soil samples will be collected from each sidewall and analyzed to verify the effectiveness of the excavating activities.

#### Subtask I-1: Soil Excavation

Soil impacted by hydrocarbons will be excavated from beneath the pipe trench down to the groundwater surface (approximately 5 feet deep); between the suspected leak location and the tank excavation backfill. Figure 1 illustrates the excavation area.

For cost estimating purposes, it has been assumed that soil will be excavated to an average depth of 5 feet; approximately 2 feet out from each side of the original pipe trench excavation. The total soil excavated will be approximately 35 to 50 yd<sup>3</sup>.



**SITE PLAN IN VICINITY OF GASOLINE TANK**

Bill Cox Cadillac  
 230 Bay Place  
 Oakland, California

**FIGURE**

**1**



### Subtask I-2: Soil Sampling

Excavated soil will be stockpiled on site prior to disposal (In addition to and separate from the existing stockpile). In an effort to minimize soil disposal costs, the newly excavated soil will be screened with an OVA meter for excavation and for separation of stockpiles. One composite soil sample will be collected and analyzed from each stockpile to determine the appropriate disposal method. The composite sample will consist of 4 discrete sub-samples; each collected in 1-inch diameter brass sampling tube and sealed at each end with teflon and a plastic cap.

In addition, 1 verification sample will be collected from each sidewall of the excavation (a total of 4 soil samples). The sidewall samples will be collected by pushing a 2" diameter brass sampling tube directly into the sidewall by hand and retrieving the tube by digging around it with a hand shovel. The sampling tube will be sealed at each end with teflon and a plastic cap.

### Subtask I-3: Soil Disposal

For disposal at a Class II or Class III landfill, the generator must certify that the waste is non-hazardous. Therefore, TCLP benzene and a fish bioassay will be performed to verify that the waste is nonhazardous.

In addition, it is required by Class II landfills to perform TPH as gasoline, BTXE, TTLC lead, Reactivity Corrosivity and Ignitability (RCI) and a fish bioassay test for soil contaminated with gasoline. The landfills generally require 1 sample per 50 yd<sup>3</sup> of soil. For cost estimating purposes, it has been assumed that 7 soil samples will be analyzed (1 sample per stockpile and 4 sidewall samples).

Based on the analytical results the appropriate disposal method will be implemented. Sampling results and documentation of the final disposal methods will be documented in a letter report to Bill Cox Cadillac.

## **TASK II. DOWN GRADIENT INVESTIGATION**

A "screening level" subsurface investigation will be performed down gradient of the former tank location to further characterize the extent of groundwater contamination. Initially, a soil vapor survey will be performed to evaluate the down gradient extent of contamination. Based on results from the soil vapor study, one down gradient monitoring well will be installed to verify the off-site extent of contamination. The newly installed well will also be used to monitor movement of contaminants from the Cox site during the groundwater monitoring phase (Task III).

### Subtask II-1: Soil Vapor Study

Approximately 6 to 10 down gradient locations will be selected for the soil vapor study. The soil vapor samples will be collected from 2 to 4 feet below grade and will be analyzed for TVH using a field GC unit or by using a potable OVA meter.

### Subtask II-2: Easement Permit

It has been our experience that due to the type of information requested (i.e., insurance requirements and a copy of the Grant Deed), the encroachment permit is usually best obtained by the property owner. The encroachment permit process can take several weeks. The attached cost estimate does not include the fees for the encroachment permit, however, we have included the cost of EOA providing technical information for the encroachment permit and time involved to obtain two excavation permits.

### Subtask II-3: Monitoring Well Installation

One new monitoring well will be installed to delineate and monitor the down gradient extent of groundwater contamination. Based on existing data and observations made during the tank excavation, it is anticipated that the new well will be installed in a test boring drilled at a location across 27th street from the former tank excavation,

The new boring will be extended approximately 20 feet below the ground surface unless a confining layer is encountered. It is estimated that the boring will be about 20 feet deep. The boring will be drilled using hollow-stem auger drilling equipment. Drilling and sampling equipment will be steam-cleaned prior to use. Soil cuttings generated during drilling will be stored in sealed DOT approved drums, properly labeled and left on-site for later disposal.

Drilling operations will be observed by a geologist, under the supervision of a Registered Engineering Geologist or a Professional Engineer, and detailed logs will be prepared of the soils encountered. A DWR well report will be completed upon completion of drilling. A soil sample will be obtained above the expected level of first groundwater (about 3 to 5 feet below grade) and at 5-foot intervals thereafter. The soil samples will be screened in the field using an organic vapor meter. The samples will be retained in 2-inch-diameter brass liners. Sample liner ends will be covered with Teflon sheeting and plastic caps, then sealed with non-adhesive tape. The samples will be refrigerated and transmitted to the analytical laboratory. The samples will be accompanied by Chain-of-Custody records.

A monitoring well will be installed in the new test boring. A permit to install the well will be obtained from the Alameda County Flood Control and Water Conservation District. The new well will be constructed in accordance with Regional Water Quality Control Board (RWQCB) Tri-Regional Guidelines. The well will be about 20 feet deep and consist of 2-inch-diameter PVC casing and machine-slotted screen. The well head will be secured with a locking cap and finished below grade in a traffic rated utility box.

Prior to development, the well will be checked for free floating product using a steel tape and product sensitive paste. The well will be developed by pumping and/or bailing until the water is relatively clear. Development water will be placed in 55-gallon drums and left on-site for later disposal. After development/purging, a groundwater sample will be obtained from the well using a Teflon bailer. The water sample will be retained in a pre-cleaned sample container and refrigerated until delivery to the laboratory. The sample will be accompanied by Chain-of-Custody records.

A level survey will be conducted to determine the top-of-casing elevation to the nearest 0.01 foot for the new well. The elevation will be referenced to the mean sea level datum. The groundwater depth will also be measured and recorded.

#### Subtask II-4: Prepare Summary Report

EOA will prepare a report on the well installation and initial sampling during Task III activities. The report will incorporate work performed during Task II and Task III and will include a description of the sampling methods, location of boring and groundwater samples, as well as a description of observations, analytical results, and conclusions regarding the direction of groundwater movement and extent of groundwater contamination, if any.

#### Subtask II-5: Soil and Groundwater Disposal

The method and location for disposal of the soil cuttings and purge water generated during well installation cannot be confirmed until we have results of the analytical tests on soil and groundwater generated from the boring/monitoring well. If no contaminants are encountered, the soil will be removed from the drums and left on site in a location and manner approved by the owner, or disposed at a Class III landfill, and the water will be evaporated on-site. We have assumed that approximately half of the anticipated waste soil, and half of the purge water will require alternative disposal, and we have budgeted an estimated \$700 for soil and water disposal. However, this budget estimate may require modification based on actual analytical results and available disposal options.

### **TASK III. GROUNDWATER MONITORING PROGRAM**

A groundwater monitoring program will be implemented to monitor groundwater quality beneath the Bill Cox Cadillac Facility. As a part of the monitoring program, three of the on site "temporary wells", previously installed by PES, will be converted into monitoring wells. These converted wells, in conjunction with the existing MW-1 and the down gradient well installed in Task II, will be used to provide initial groundwater sampling and subsequent quarterly monitoring.

#### Subtask III-1: Regulatory Requirements

The objective of this task is to coordinate with the Alameda County Health Care Agency to ensure that the investigation is acceptable as part of the response to their requirement for

EOA, INC.

additional subsurface investigation. EOA will review applicable guidelines and regulatory requirements applicable to groundwater monitoring of the site and prepare a monitoring program prior to conversion of the wells. This task also includes assistance in obtaining miscellaneous permits such as excavation permits from the City of Oakland.

### Subtask III-2: Well Conversion and Sampling

Three of the existing "temporary wells" will be re-exposed, and properly finished at the surface with traffic-rated utility boxes, for use as monitoring wells. The specific temporary wells to be converted will be selected in consultation with Alameda County Department of Environmental Health. In accordance with County requirements, these locations will include one well within ten feet of the former fuel tank in the expected down gradient direction. We expect that the present TW-7 will be acceptable for that purpose. Because of the former tank location, this well will also be near the property boundary in the expected down gradient direction. The second and third converted temporary wells will be located across the expected gradient (probably TW-2), and near the property boundary in the expected up gradient direction (probably TW-1).

If well installation permits were not previously obtained for the three "temporary wells" which will be converted, we will apply for permits to convert those wells. The three new well heads will be secured with a locking cap and finished below grade in a traffic rated utility box.

Prior to development, the wells will be checked for free floating product using a steel tape and product sensitive paste. The wells will be developed by pumping and/or bailing until the water is relatively clear. Development water will be placed in 55-gallon drums and left on-site for later disposal (Task 7). After development/purging, a groundwater sample will be obtained from each well using a Teflon bailer. Water samples will be retained in pre-cleaned sample containers and refrigerated until delivery to the laboratory. The samples will be accompanied by Chain-of-Custody records.

A level survey will be conducted to determine the top-of-casing elevations to the nearest 0.01 foot for the new wells. The elevations will be referenced to the mean sea level datum. Groundwater depths will be measured and the groundwater flow direction and gradient will be evaluated. The groundwater monitoring well install during Task II will be included in the gradient evaluation.

### Subtask III-3: Laboratory Analyses

Alameda County follows the Regional Water Quality Control Board guidelines in determining which analyses must be performed. For this project, the required analysis will most likely include Total Petroleum Hydrocarbons (TPH), Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), and possibly soluble lead. EOA will identify an appropriate analytical testing laboratory and coordinate with the lab for the required analyses. For purposes of identifying the probable analytical costs, we have assumed that a total five groundwater samples will be required during each round of sampling.

#### Subtask III-4: Prepare Initial Sampling Report

EOA will prepare a report on the well installation and initial sampling performed during Task II and Task III. This report will contain a summary of previous investigation results documented in the two available reports from PES. For the current work, the report will include a description of the sampling methods, locations of boring and groundwater samples, as well as a description of observations, analytical results, and conclusions regarding the direction of groundwater movement and extent of groundwater contamination, if any. The report will also contain copies of field reports, field development and sampling forms, and DWR well reports. The boring logs and well construction details will also be presented. A drafted site plan will be included showing boring locations and the groundwater flow direction and gradient determined during the sampling event.

#### Subtask 5: Quarterly Groundwater Sampling and Elevation Measurements

Groundwater elevations will be determined monthly for the first year. The groundwater elevations will be tabulated on summary tables which will be included in quarterly letter reports. Three rounds of quarterly groundwater sampling will be performed. Each quarterly sampling event will include purging and sampling each of the five wells (including existing MW-1), and measuring the groundwater elevations in each well. The groundwater samples will be analyzed for the same constituents measured during the initial sampling. A letter report will be prepared after each quarterly sampling event describing the sampling methods and observations, and transmitting a tabular summary of analytical results, a groundwater elevation map, and copies of the analytical reports from the laboratory.

#### Subtask III-6: Final Sampling Report

Upon completion of Task 5, a final sampling report will be prepared summarizing groundwater monitoring and elevation data. The report will contain a description of the sampling methods, analytical results, and conclusions regarding the direction of groundwater movement and extent of groundwater contamination. The analytical results will be evaluated to determine whether any conclusions can be drawn regarding on-site vs off-site sources of contamination. This information can be used by Bill Cox Cadillac and the regulatory agencies to determine whether additional investigation and/or remediation is necessary, or if the site groundwater investigation can be "closed" by regulatory agencies.

#### Subtask III-7: Soil and Groundwater Disposal

The method and location for disposal of the soil cuttings and purge water generated during site activities cannot be confirmed until we have results of the analytical tests on soil and groundwater from the borings/monitoring wells. If no contaminants are encountered, the soil will be removed from the drums and left on site in a location and manner approved by the owner, or disposed at a Class III landfill, and the water will be evaporated on-site. At this site it is likely that TPH contaminants will be present in some of the borings. For soil and groundwater collected from those borings, it may be necessary to sample the cuttings and/or purge water and to make other arrangements for disposal. We have assumed that approximately half of the anticipated waste soil, and half of the purge water will require

EOA, INC.

alternative disposal, and we have budgeted an estimated \$1500 for soil and water disposal. We will make every effort to segregate soil and water from expected clean areas and to minimize disposal costs. However, this budget estimate may require modification based on actual analytical results and available disposal options.



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

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

A N A L Y T I C A L   R E P O R T

Prepared for:

EOA, Inc.  
1410 Jackson Street  
Oakland, CA 94612

Date: 14-JUL-94  
Lab Job Number: 116079  
Project ID: CCO2  
Location: Cox Cadillac, Oakland

Reviewed by:

Reviewed by:

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LABORATORY NUMBER: 116079  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE ANALYZED: 06/27/94  
DATE REPORTED: 07/07/94

Total Volatile Hydrocarbons with BTXE in Soils & Wastes  
TVH by California DOHS Method/LUFT Manual October 1989  
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
116079-1	S-1	2	360	210	13	79
116079-2	S-2	ND(1)	100	73	ND(5)	25
116079-6	C-1	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)
116079-7	C-2	ND(1)	ND(5)	ND(5)	ND(5)	ND(5)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

=====  
RPD, % <1  
RECOVERY, % 104  
=====





LABORATORY NUMBER: 116079  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE ANALYZED: 07/02/94  
DATE REPORTED: 07/07/94

Total Volatile Hydrocarbons with BTXE in Soils & Wastes  
TVH by California DOHS Method/LUFT Manual October 1989  
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
116079-3	S-3	700	7,300	36,000	12,000	68,000
116079-9	C-4	1,300	ND(800)	19,000	20,000	120,000

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	100



LABORATORY NUMBER: 116079  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE ANALYZED: 07/01/94  
DATE REPORTED: 07/07/94

Total Volatile Hydrocarbons with BTXE in Soils & Wastes  
TVH by California DOHS Method/LUFT Manual October 1989  
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
116079-4	S-4	620	6,100	29,000	9,700	53,000
116079-5	S-5	260	3,100	9,900	3,300	18,000

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	84



LABORATORY NUMBER: 116079  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE ANALYZED: 07/06/94  
DATE REPORTED: 07/07/94

Total Volatile Hydrocarbons with BTXE in Soils & Wastes  
TVH by California DOHS Method/LUFT Manual October 1989  
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
116079-8	C-3	26	ND(30)	130	140	1,000

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	94



LABORATORY NUMBER: 116079  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE ANALYZED: 07/02/94  
DATE REPORTED: 07/07/94

=====

ANALYSIS: TCLP BENZENE  
ANALYSIS METHOD: EPA 8020

=====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
116079-6	C-1	ND	ug/L	20
116079-7	C-2	ND	ug/L	20
116079-8	C-3	ND	ug/L	20
116079-9	C-4	ND	ug/L	20

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====

RPD, %	1
RECOVERY, %	100

=====



LABORATORY NUMBER: 116079-6  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02  
SAMPLE ID: C-1

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE REPORTED: 07/07/94

PARAMETER	RESULT	UNITS	REPORTING LIMIT	METHOD
Releasable Cyanide	ND	mg/Kg	10	SW-846 Section 7.3.3.2
Releasable Sulfide	ND	mg/Kg	10	SW-846 Section 7.3.4.1
Ignitability	Does Not Ignite			SW-846 Section 7.1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY	Analysis Date	RPD, %	RECOVERY, %
Cyanide	07/05/94	1	64
Sulfide	07/05/94	8	69
Ignitability	07/05/94	--	--



LABORATORY NUMBER: 116079-7  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02  
SAMPLE ID: C-2

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE REPORTED: 07/07/94

PARAMETER	RESULT	UNITS	REPORTING LIMIT	METHOD
Releasable Cyanide	ND	mg/Kg	10	SW-846 Section 7.3.3.2
Releasable Sulfide	ND	mg/Kg	10	SW-846 Section 7.3.4.1
Ignitability	Does Not Ignite			SW-846 Section 7.1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY	Analysis Date	RPD, %	RECOVERY, %
Cyanide	07/05/94	1	64
Sulfide	07/05/94	8	69
Ignitability	07/05/94	--	--



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 116079-8  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02  
SAMPLE ID: C-3

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE REPORTED: 07/07/94

PARAMETER	RESULT	UNITS	REPORTING LIMIT	METHOD
Releasable Cyanide	ND	mg/Kg	10	SW-846 Section 7.3.3.2
Releasable Sulfide	ND	mg/Kg	10	SW-846 Section 7.3.4.1
Ignitability	Does Not Ignite			SW-846 Section 7.1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY	Analysis Date	RPD, %	RECOVERY, %
Cyanide	07/05/94	1	64
Sulfide	07/05/94	8	69
Ignitability	07/05/94	--	--



LABORATORY NUMBER: 116079-9  
CLIENT: EOA, INC.  
PROJECT ID: CC02  
LOCATION: COX CADILLAC CC02  
SAMPLE ID: C-4

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE REPORTED: 07/07/94

PARAMETER	RESULT	UNITS	REPORTING LIMIT	METHOD
Releasable Cyanide	ND	mg/Kg	10	SW-846 Section 7.3.3.2
Releasable Sulfide	ND	mg/Kg	10	SW-846 Section 7.3.4.1
Ignitability	Does Not Ignite			SW-846 Section 7.1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY	Analysis Date	RPD, %	RECOVERY, %
Cyanide	07/05/94	1	64
Sulfide	07/05/94	8	69
Ignitability	07/05/94	--	--





Client: EOA, Inc.

Laboratory Login Number: 116079

Project Name: Cox Cadillac, Oakland  
Project Number: CCO2

Report Date: 07 July 94

ANALYSIS: pH

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	Method	Analyst	QC Batch
116079-006	C-1	Soil	23-JUN-94	23-JUN-94	05-JUL-94	9.2	SU *	EPA 9045	TR	14917
116079-007	C-2	Soil	23-JUN-94	23-JUN-94	05-JUL-94	9.0	SU *	EPA 9045	TR	14917
116079-008	C-3	Soil	23-JUN-94	23-JUN-94	05-JUL-94	9.3	SU *	EPA 9045	TR	14917
116079-009	C-4	Soil	23-JUN-94	23-JUN-94	05-JUL-94	9.1	SU *	EPA 9045	TR	14917

\* Soil pH measured as water

Q C B a t c h R e p o r t

Client: EOA, Inc.  
 Project Name: Cox Cadillac, Oakland  
 Project Number: CCO2

Laboratory Login Number: 116079  
 Report Date: 07 July 94

ANALYSIS: pH

QC Batch Number: 14917

Calibration Verification Results

Sample	Result	TV	Difference	Limit	Analyzed
ICV	10.00	10.00	.00	< 0.10	05-JUL-94
CCV	10.03	10.00	.03	< 0.10	05-JUL-94

Sample Duplicate Results

Sample	Duplicate	RPD	Analyzed
9.11	9.06	.6%	05-JUL-94

CLIENT: EOA, Inc.  
JOB NUMBER: 116079

DATE REPORTED: 07/07/94

**BATCH QC REPORT**  
**BLANK SPIKE / BLANK SPIKE DUPLICATE**

Compound	Spike Amount	BS Result	BSD Result	Units	BS % Recovery	BSD % Recovery	Average Recovery	RPD	QC Batch	Method	Analysis Date
Lead	500	440	460	ug/L	88	92	90	4	14825	EPA 7420	06/29/94



CLIENT: EOA, Inc.  
JOB NUMBER: 116079

DATE REPORTED: 07/07/94

**BATCH QC REPORT  
PREP BLANK**

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Lead	ND	5	mg/Kg	14825	EPA 7420	06/29/94

ND = Not detected at or above reporting limit

CLIENT: EOA, Inc.  
PROJECT ID: CCO2  
LOCATION: Cox Cadillac, Oakland  
MATRIX: Soil

DATE REPORTED: 07/07/94

METALS ANALYTICAL REPORT

Lead

Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
C-1	116079-006	06/23/94	06/23/94	7.5	5.0	14825	EPA 7420	06/29/94
C-2	116079-007	06/23/94	06/23/94	14	5.0	14825	EPA 7420	06/29/94
C-3	116079-008	06/23/94	06/23/94	470	5.0	14825	EPA 7420	06/29/94
C-4	116079-009	06/23/94	06/23/94	ND	4.9	14825	EPA 7420	06/29/94

ND = Not detected at or above reporting limit



Curtis & Tompkins, Ltd.



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH  
July 12, 1994

Ms. Lourinda Brouwer  
Curtis & Tompkins, Ltd.  
2323 Fifth St.  
Berkley, CA 94710

Dear Ms. Brouwer:

We are pleased to present the enclosed acute bioassay report. The test was conducted under the guidelines prescribed in "Static Acute Bioassay Procedures for Hazardous Waste Samples" California Department of Fish and Game, 1988. The results were as follows:


CLIENT:	Curtis & Tompkins, Ltd.
SAMPLE I.D.:	C-1
DATE RECEIVED:	07/07/94
ABC LAB. NO.:	C&T0741.225

**DOHS (TITLE 22) HAZARDOUS WASTE BIOASSAY USING FATHEAD MINNOWS**

96 HOUR LC50 = >750 mg/l

STATUS = Pass

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

AQUATIC BIOASSAY AND CONSULTING LABORATORIES, INC.

29 North Olive Street

Ventura, CA 93001

(805) 643-5621

DOHS Bioassay for Hazardous Waste (Title 22)

SAMPLE INFORMATION

CLIENT:	Curtis & Tompkins, Ltd.	Date:	07/07/94
SAMPLE I.D.:	C-1	LAB #:	C&T0741.225

WATER QUALITY

DILUTION WATER: Reconst. Fresh		AERATION: Single Bubble Air	
CONTROL HARDNESS		CONTROL ALKALINITY	
Beg.:	45 mg/l	End:	49 mg/l
Beg.:	27 mg/l	End:	34 mg/l
SAMPLE HARDNESS		SAMPLE ALKALINITY	
Beg.:	50 mg/l	End:	52 mg/l
Beg.:	31 mg/l	End:	33 mg/l

ORGANISM INFORMATION

SPECIES:	Pimephales promelas	DATE REC'D:	06/16/94
COMMON NAME:	Fathead Minnow	AVERAGE LNTH:	40 mm
SOURCE:	Thomas Fish Co.	AVERAGE WT:	0.65 gm
CARRIER:	Greyhound Bus Co.	NO. FISH / TANK:	10

TEST DATA

	INITIAL			24 HOURS				48 HOURS				72 HOURS				96 HOURS			
DATE:	07/07/94			07/08/94				07/09/94				07/10/94				07/11/94			
TIME:	1530			1130				1530				1500				1530			
CONC.	Dis. Oxy.	Temp. dg.C	pH	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead
0 (Control)	8.4	21.3	7.6	8.4	20.5	7.5	0	8.2	20.6	7.8	1	8.0	20.6	7.7	0	8.1	21.0	7.7	0
400 mg/l	8.6	21.1	7.8	8.4	20.2	7.5	0	8.0	20.3	7.7	0	7.9	20.3	7.7	0	8.0	20.9	7.4	0
400 mg/l	8.6	21.2	7.8	8.4	20.2	7.5	1	8.1	20.3	7.7	0	8.0	20.3	7.7	0	7.8	20.9	7.4	0
750 mg/l	8.6	21.3	7.8	8.3	20.3	7.5	0	8.1	20.4	7.7	0	7.9	20.4	7.7	0	7.7	21.0	7.4	1
750 mg/l	8.6	21.3	7.8	8.2	20.4	7.5	0	8.1	20.4	7.7	0	7.8	20.6	7.7	1	8.0	21.1	7.4	0

FINAL DATA

TOTAL MORTALITIES	
0 (Control)	1
400 mg/l	0
400 mg/l	1
750 mg/l	1
750 mg/l	1

FINAL RESULTS

96 HOUR LC50 =	>750 mg/l
STATUS =	Pass
CALCULATION METHOD =	Binomial Test

  
 Martha Meyer, Chief Biologist

Date 7/12/94



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH  
July 12, 1994

Ms. Lourinda Brouwer  
Curtis & Tompkins, Ltd.  
2323 Fifth St.  
Berkley, CA 94710

Dear Ms. Brouwer:

We are pleased to present the enclosed acute bioassay report. The test was conducted under the guidelines prescribed in "Static Acute Bioassay Procedures for Hazardous Waste Samples" California Department of Fish and Game, 1988. The results were as follows:

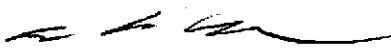
CLIENT: Curtis & Tompkins, Ltd.  
SAMPLE I.D.: C-2  
DATE RECEIVED: 07/07/94  
ABC LAB. NO.: C&T0741.226

**DOHS (TITLE 22) HAZARDOUS WASTE BIOASSAY USING FATHEAD MINNOWS**

96 HOUR LC50 = >750 mg/l

STATUS = Pass

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director



AQUATIC BIOASSAY AND CONSULTING LABORATORIES, INC.

29 North Olive Street

Ventura, CA 93001

(805) 643-5621

DOHS Bioassay for Hazardous Waste (Title 22)

SAMPLE INFORMATION

CLIENT:	Curtis & Tompkins, Ltd.	Date:	07/07/94
SAMPLE I.D.:	C-2	LAB #:	C&T0741.226

WATER QUALITY

DILUTION WATER: Reconst. Fresh				AERATION: Single Bubble Air			
CONTROL HARDNESS				CONTROL ALKALINITY			
Beg.:	45 mg/l	End:	49 mg/l	Beg.:	27 mg/l	End:	34 mg/l
SAMPLE HARDNESS				SAMPLE ALKALINITY			
Beg.:	51 mg/l	End:	55 mg/l	Beg.:	30 mg/l	End:	38 mg/l

ORGANISM INFORMATION

SPECIES:	Pimephales promelas	DATE REC'D:	06/16/94
COMMON NAME:	Fathead Minnow	AVERAGE LNTH:	40 mm
SOURCE:	Thomas Fish Co.	AVERAGE WT:	0.65 gm
CARRIER:	Greyhound Bus Co.	NO. FISH / TANK:	10

TEST DATA

	INITIAL			24 HOURS				48 HOURS				72 HOURS				96 HOURS			
DATE:	07/07/94			07/08/94				07/09/94				07/10/94				07/11/94			
TIME:	1530			1130				1530				1500				1530			
CONC.	Dis. Oxy.	Temp. dg.C	pH	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead
0 (Control)	8.4	21.3	7.6	8.4	20.5	7.5	0	8.2	20.6	7.8	1	8.0	20.6	7.7	0	8.1	21.0	7.7	0
400 mg/l	8.7	21.2	7.8	8.3	20.2	7.6	0	7.9	20.3	7.8	0	7.9	20.2	7.8	0	8.1	20.8	7.5	0
400 mg/l	8.6	21.2	7.8	8.4	20.1	7.6	0	8.0	20.2	7.8	0	7.9	20.2	7.8	0	8.1	20.7	7.5	0
750 mg/l	8.7	21.2	7.8	8.4	20.1	7.6	0	8.0	20.2	7.8	0	7.9	20.2	7.8	0	8.1	20.7	7.5	0
750 mg/l	8.6	21.2	7.8	8.5	20.2	7.6	0	8.0	20.3	7.8	0	8.0	20.3	7.8	1	8.1	20.8	7.5	1

FINAL DATA

TOTAL MORTALITIES	
0 (Control)	1
400 mg/l	0
400 mg/l	0
750 mg/l	0
750 mg/l	2

FINAL RESULTS

96 HOUR LC50 =	>750 mg/l
STATUS =	Pass
CALCULATION METHOD =	Binomial Test

  
 Martha Meyer, Chief Biologist

Date 7/12/94



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH  
July 12, 1994

Ms. Lourinda Brouwer  
Curtis & Tompkins, Ltd.  
2323 Fifth St.  
Berkley, CA 94710

Dear Ms. Brouwer:

We are pleased to present the enclosed acute bioassay report. The test was conducted under the guidelines prescribed in "Static Acute Bioassay Procedures for Hazardous Waste Samples" California Department of Fish and Game, 1988. The results were as follows:

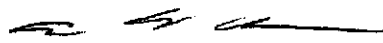
CLIENT:	Curtis & Tompkins, Ltd.
SAMPLE I.D.:	C-3
DATE RECEIVED:	07/07/94
ABC LAB. NO.:	C&T0741.227

**DOHS (TITLE 22) HAZARDOUS WASTE BIOASSAY USING FATHEAD MINNOWS**

96 HOUR LC50 = >750 mg/l

STATUS = Pass

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

AQUATIC BIOASSAY AND CONSULTING LABORATORIES, INC.

29 North Olive Street

Ventura, CA 93001

(805) 643-5621

DOHS Bioassay for Hazardous Waste (Title 22)

SAMPLE INFORMATION

CLIENT:	Curtis & Tompkins, Ltd.	Date:	07/07/94
SAMPLE I.D.:	C-3	LAB #:	C&T0741.227

WATER QUALITY

DILUTION WATER: Reconst. Fresh				AERATION: Single Bubble Air			
CONTROL HARDNESS				CONTROL ALKALINITY			
Beg.:	45 mg/l	End:	49 mg/l	Beg.:	27 mg/l	End:	34 mg/l
SAMPLE HARDNESS				SAMPLE ALKALINITY			
Beg.:	51 mg/l	End:	52 mg/l	Beg.:	31 mg/l	End:	33 mg/l

ORGANISM INFORMATION

SPECIES:	Pimephales promelas	DATE REC'D:	06/18/94
COMMON NAME:	Fathead Minnow	AVERAGE LNTH:	40 mm
SOURCE:	Thomas Fish Co.	AVERAGE WT:	0.65 gm
CARRIER:	Greyhound Bus Co.	NO. FISH / TANK:	10

TEST DATA

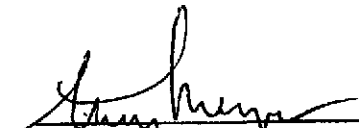
	INITIAL			24 HOURS				48 HOURS				72 HOURS				96 HOURS			
DATE:	07/07/94			07/08/94				07/09/94				07/10/94				07/11/94			
TIME:	1530			1130				1530				1500				1530			
CONC.	Dis. Oxy.	Temp. dg.C	pH	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead
0 (Control)	8.4	21.3	7.6	8.4	20.5	7.5	0	8.2	20.6	7.8	1	8.0	20.6	7.7	0	8.1	21.0	7.7	0
400 mg/l	8.6	21.3	7.8	8.5	20.2	7.5	0	8.2	20.5	7.7	0	8.0	20.4	7.7	0	8.1	21.3	7.5	0
400 mg/l	8.6	21.3	7.8	8.5	20.2	7.5	0	7.9	20.4	7.7	0	7.9	20.3	7.7	0	8.1	21.0	7.5	0
750 mg/l	8.6	21.3	7.8	8.5	20.2	7.5	0	8.0	20.4	7.7	0	7.9	20.4	7.7	0	8.1	21.1	7.5	0
750 mg/l	8.6	21.3	7.8	8.4	20.2	7.5	0	8.0	20.9	7.8	0	7.9	20.7	7.7	0	8.0	21.6	7.5	1

FINAL DATA

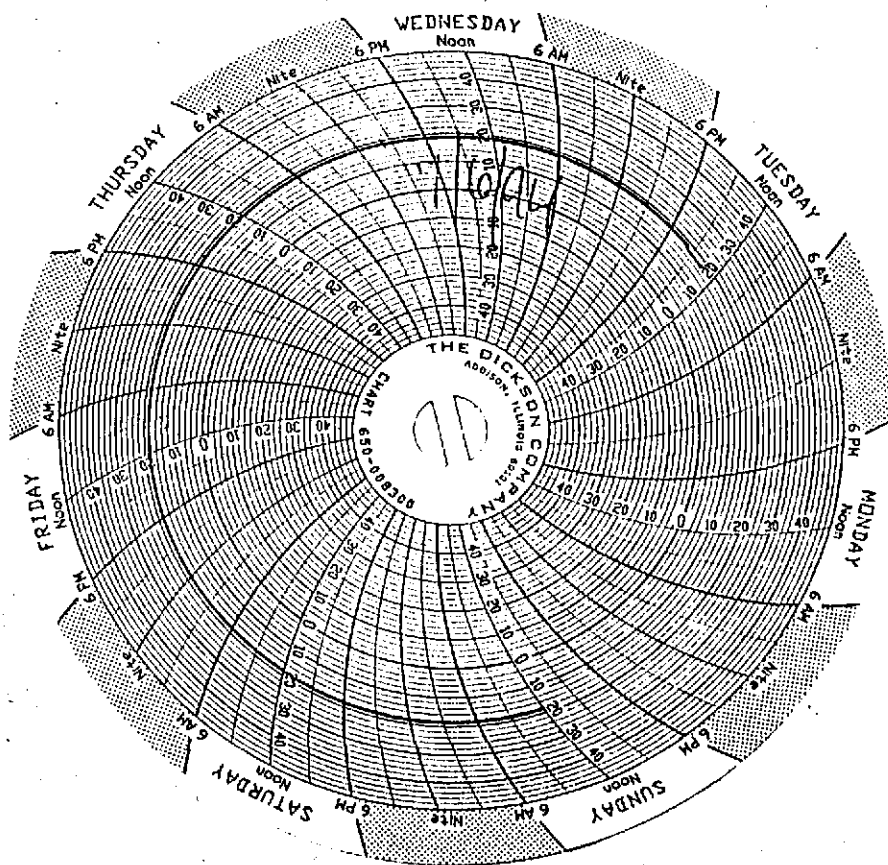
TOTAL MORTALITIES	
0 (Control)	1
400 mg/l	0
400 mg/l	0
750 mg/l	0
750 mg/l	1

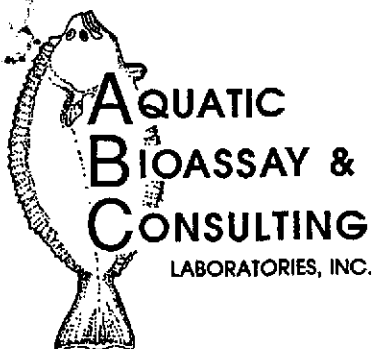
FINAL RESULTS

96 HOUR LC50 =	>750 mg/l
STATUS =	Pass
CALCULATION METHOD =	Binomial Test

  
 Martha Meyer, Chief Biologist

Date 7/12/94





TOXICITY TESTING • OCEANOGRAPHIC RESEARCH  
July 12, 1994

Ms. Lourinda Brouwer  
Curtis & Tompkins, Ltd.  
2323 Fifth St.  
Berkley, CA 94710

Dear Ms. Brouwer:

We are pleased to present the enclosed acute bioassay report. The test was conducted under the guidelines prescribed in "Static Acute Bioassay Procedures for Hazardous Waste Samples" California Department of Fish and Game, 1988. The results were as follows:


CLIENT:	Curtis & Tompkins, Ltd.
SAMPLE I.D.:	C-4
DATE RECEIVED:	07/05/94
ABC LAB. NO.:	C&T0741.193

**DOHS (TITLE 22) HAZARDOUS WASTE BIOASSAY USING FATHEAD MINNOWS**

96 HOUR LC50 = >750 mg/l

STATUS = Pass

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

**AQUATIC BIOASSAY AND CONSULTING LABORATORIES, INC.**

29 North Olive Street

Ventura, CA 93001

(805) 643-5621

DOHS Bioassay for Hazardous Waste (Title 22)

**SAMPLE INFORMATION**

CLIENT:	Curtis & Tompkins, Ltd.	Date:	07/05/94
SAMPLE I.D.:	C-4	LAB #:	C&T0741.193

**WATER QUALITY**

DILUTION WATER: Reconst. Fresh				AERATION: Single Bubble Air			
CONTROL HARDNESS				CONTROL ALKALINITY			
Beg.:	45 mg/l	End:	49 mg/l	Beg.:	27 mg/l	End:	34 mg/l
SAMPLE HARDNESS				SAMPLE ALKALINITY			
Beg.:	47 mg/l	End:	51 mg/l	Beg.:	39 mg/l	End:	40 mg/l

**ORGANISM INFORMATION**

SPECIES:	Pimephales promelas	DATE REC'D:	06/16/94
COMMON NAME:	Fathead Minnow	AVERAGE LNTH:	40 mm
SOURCE:	Thomas Fish Co.	AVERAGE WT:	0.65 gm
CARRIER:	Greyhound Bus Co.	NO. FISH / TANK:	10

**TEST DATA**

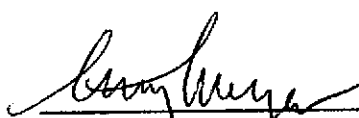
DATE:	INITIAL			24 HOURS				48 HOURS				72 HOURS				96 HOURS			
	TIME:	07/06/94	07/07/94	07/08/94	07/09/94	07/10/94	07/08/94	07/09/94	07/10/94	07/09/94	07/10/94	07/09/94	07/10/94	07/10/94	07/10/94				
CONC.	Dis. Oxy.	Temp. dg.C	pH	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead
0 (Control)	8.6	21.3	7.7	8.4	21.3	7.6	0	8.4	20.5	7.5	0	8.2	20.6	7.8	0	8.0	20.6	7.7	0
400 mg/l	8.5	21.4	7.7	8.1	21.3	7.6	0	8.3	20.4	7.5	0	7.9	20.4	7.7	0	7.9	20.4	7.7	0
400 mg/l	8.5	21.3	7.7	8.2	21.2	7.6	0	8.3	20.4	7.5	0	8.0	20.4	7.7	0	7.9	20.4	7.7	0
750 mg/l	8.4	21.3	7.8	8.2	21.1	7.6	0	8.2	20.6	7.5	0	8.0	20.5	7.7	0	7.9	20.4	7.7	0
750 mg/l	8.4	21.4	7.8	8.1	21.3	7.6	0	8.1	20.7	7.5	0	8.0	20.6	7.8	0	7.9	20.5	7.8	0

**FINAL DATA**

TOTAL MORTALITIES	
0 (Control)	0
400 mg/l	0
400 mg/l	0
750 mg/l	0
750 mg/l	0

**FINAL RESULTS**

96 HOUR LC50 =	> 750 mg/l
STATUS =	Pass
CALCULATION METHOD =	Binomial Test

  
 Martha Meyer, Chief Biologist

Date 7/12/94



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

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

A N A L Y T I C A L   R E P O R T

Prepared for:

EOA, Inc.  
1410 Jackson Street  
Oakland, CA 94612

Date: 01-AUG-94  
Lab Job Number: 116431  
Project ID: CC02  
Location: Cox Cadillac, Oakland

Reviewed by:

*Mary Plesser*

Reviewed by:

*Kelley B.*

This package may be reproduced only in its entirety.



Curtis & Tompkins, Ltd.

CLIENT: EOA, Inc.  
JOB NUMBER: 116431

DATE REPORTED: 08/01/94

BATCH QC REPORT  
PREP BLANK

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Lead	ND	500	ug/L	15356	EPA 7420	07/28/94

ND = Not detected at or above reporting limit





SAMPLE ID: C-3  
LAB ID: 116431-001  
CLIENT: EOA, Inc.  
PROJECT ID: CCO2  
LOCATION: Cox Cadillac, Oakland  
MATRIX: WET Leachate

DATE SAMPLED: 06/23/94  
DATE RECEIVED: 06/23/94  
DATE REPORTED: 08/01/94

**METALS ANALYTICAL REPORT**

Compound	Result (ug/L)	Reporting Limit (ug/L)	QC Batch	Method	Analysis Date
Lead	1300	500	15356	EPA 7420	07/28/94

CHAIN OF CUSTODY RECORD

6/22/94 6/23/94

1 of 2

116079

Client name <b>Cox Cadillac Co2</b>				Project or PO# <b>Co2</b>		Analyses required									
Address <b>OAKland, CA</b>				Phone # <b>832-2852</b>		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">             TUH-G 8015/2020 Ignitability Corrosivity (pH) Reactivity 150.1 TCLP Benzene FISH Hazardous sample Special handling required           </div> <div style="text-align: right;">             please provide the lowest detection limits possible.           </div> </div>									
City, State, Zip			Report attention <b>Lori Rettigrew</b>												
Lab Sample number	Date sampled	Time sampled	Type* See key below	Sampled by <b>LAP</b>	Number of containers								Remarks		
1	6/23	10:15 A	Soil	S-1	1	X									take sample from the bottom of the tube.
2	6/23	11:30	↓	S-2	↓	X									
3	6/23	12:00 P	↓	S-3	↓	X									
4	6/23	12:15 P	↓	S-4	↓	X									
5	6/23	12:25	↓	S-5	↓	X									
6	6/23	1:15	SOIL	C-1	402 522	X	X	X	X	X	X				Do all analyses Xed
7	6/23	1:30	↓	C-2	↓	↓	↓	↓	↓	↓	↓				
8	6/23	1:35	↓	C-3	↓	↓	↓	↓	↓	↓	↓				
9	6/23	1:45	↓	C-4	↓	↓	↓	↓	↓	↓	↓				

Signature	Print Name	Company	Date	Time
Relinquished by <i>[Signature]</i>	Lori Rettigrew	EOA, Inc.	6/23/94	3:50 pm
Received by				
Relinquished by				
Received by				
Relinquished by				
Received by Laboratory <i>[Signature]</i>	Mary Plessas	C + T Lab	6/23/94	3:50 pm

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.

Disposal arrangements: \_\_\_\_\_

\*KEY: WW—Wastewater SU—Surface Water SO—Soil  
 SL—Sludge PE—Petroleum OT—Other  
 NA—Nonaqueous GW—Groundwater AO—Aqueous



NON-HAZARDOUS WASTE MANIFEST  
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [REDACTED]

021-105

TO BE COMPLETED BY THE GENERATOR

**GENERATOR:**  
 Bill Cox Cadillac and Buick  
**MAILING ADDRESS:**  
 230 Bay Place  
 CITY, STATE, ZIP:  
 Oakland, CA 94612  
**PHONE:**  
 510-832-2852  
**CONTACT PERSON:**

**SIGNATURE OF AUTHORIZED AGENT / TITLE:**  
 \* Dana Hartley  
**DATE:**  
 8-19-94

**WASTE TYPE:**

<input type="checkbox"/> TREATMENT SOIL	<input type="checkbox"/> SLUDGE
<input checked="" type="checkbox"/> DISPOSAL SOIL	<input type="checkbox"/> NON-FRIABLE ASBESTOS
<input type="checkbox"/> CONSTRUCTION SOIL	<input type="checkbox"/> WOOD
	<input type="checkbox"/> ASH
	<input type="checkbox"/> OTHER

**GENERATING FACILITY:**  
 Bill Cox Cadillac and Buick  
 230 Bay Place  
 Oakland, CA 94612

**NAME:**  
 Greg's Trucking  
**ADDRESS:**  
 2045 Detroit Drive  
 CITY, STATE, ZIP:  
 San Mateo, CA 94461  
**PHONE:**  
 415-343-5946  
**SIGNATURE OF AUTHORIZED AGENT OR DRIVER:**  
 \* Susan Shalinsky  
**DATE:**  
 8-19-94

FACILITY REQUIREMENTS

**FORWARD INC. LANDFILL**

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

**REMARKS:**

**FACILITY TICKET NUMBER:** 7674

**SIGNATURE OF AUTHORIZED AGENT:**  
 \* [Signature]  
**DATE:**  
 8-19-94

**REQUIRED PERSONAL PROTECTIVE EQUIPMENT:**  
 GLOVES  GOGGLES  RESPIRATOR  HARD HAT  
 TY-VEK  OTHER

**SPECIAL HANDLING PROCEDURES:**  
 Avoid contact

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

**NOTES:**

**TRUCK NUMBER:** 205

<input checked="" type="checkbox"/> END DUMP	<input type="checkbox"/> BOTTOM DUMP	<input type="checkbox"/> TRANSFER
<input type="checkbox"/> ROLL-OFF(S)	<input type="checkbox"/> FLAT-BED	<input type="checkbox"/> VAN
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> DRUMS

**GUBIC YARDS:** 18

DISPOSAL METHOD	TO BE COMPLETED BY FORWARD				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input checked="" type="checkbox"/> SOIL	X	1			
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input checked="" type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

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

MANIFEST # 21697



NON-HAZARDOUS WASTE MANIFEST  
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.

CM - 1068

TO BE COMPLETED BY THE GENERATOR

GENERATOR  
Bill Cox Cadillac and Buick

MAILING ADDRESS  
230 Bay Place

CITY, STATE, ZIP  
Oakland, CA 94612

PHONE  
510-832-2852

CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE  
\* David Harvick

DATE  
8/19

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

GLOVES  GOGGLES  RESPIRATOR  HARD HAT

TY-VEK  OTHER

SPECIAL HANDLING PROCEDURES:  
Avoid contact

WASTE TYPE

TREATMENT SOIL  SLUDGE

DISPOSAL SOIL  NON-FRIABLE ASBESTOS

CONSTRUCTION SOIL  WOOD

OTHER  ASH

RECEIVING FACILITY

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

GENERATING FACILITY  
Bill Cox Cadillac and Buick  
230 Bay Place  
Oakland, CA 94612

TRANSPORTER  
HAULER MUST COMPLETE

NAME  
Greg's Trucking

ADDRESS  
2045 Detroit Drive

CITY, STATE, ZIP  
San Mateo, CA 94461

PHONE  
415-343-5946

SIGNATURE OF AUTHORIZED AGENT OR DRIVER  
\* [Signature]

DATE  
8-19-94

NOTES

TRUCK NUMBER  
228

END DUMP  BOTTOM DUMP  TRANSFER

ROLL-OFF(S)  FLAT-BED  VAN  DRUMS

FACILITY REQUIREMENTS

**FORWARD INC. LANDFILL**

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

REMARKS

FACILITY TICKET NUMBER  
16740

SIGNATURE OF AUTHORIZED AGENT  
\* [Signature]

DATE  
8-19-94

CUBIC YARDS  
18

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD)	DISPOSE	BIO	AERATE	STACK	OTHER
<input checked="" type="checkbox"/> SOIL	X					
<input type="checkbox"/> SLUDGE						
<input type="checkbox"/> NON-FRIABLE ASBESTOS						
<input type="checkbox"/> WOOD						
<input type="checkbox"/> ASH						
<input type="checkbox"/> OTHER						

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

MANIFEST # 21690



NON-HAZARDOUS WASTE MANIFEST  
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. **CM 1068**

TO BE COMPLETED BY THE GENERATOR

**GENERATOR**  
Bill Cox Cadillac and Buick

**MAILING ADDRESS**  
230 Bay Place

**CITY/STATE/ZIP**  
Oakland, CA 94612

**PHONE**  
510-832-2852

**CONTACT PERSON**

**SIGNATURE OF AUTHORIZED AGENT / TITLE**  
\* David Hartley

**DATE**  
8-19-94

**REQUIRED PERSONAL PROTECTIVE EQUIPMENT**

GLOVES  GOGGLES  RESPIRATOR  HARD HAT

TY-VEK  OTHER

**SPECIAL HANDLING PROCEDURES:**  
Avoid contact

**WASTE TYPE**

TREATMENT SOIL  
 DISPOSAL SOIL  
 CONSTRUCTION SOIL

SLUDGE  
 NON-FRIABLE ASBESTOS  
 WOOD  
 ASH  
 OTHER

**RECEIVING FACILITY**

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

**GENERATING FACILITY**  
Bill Cox Cadillac and Buick  
230 Bay Place  
Oakland, CA 94612

TRANSPORTER  
HAULER MUST COMPLETE

**NAME**  
Greg's Trucking

**ADDRESS**  
2045 Detroit Drive

**CITY/STATE/ZIP**  
San Mateo, CA 94461

**PHONE**  
415-343-5946

**SIGNATURE OF AUTHORIZED AGENT OR DRIVER**  
\* [Signature]

**DATE**

**NOTES**

**TRUCK NUMBER**  
116

END DUMP  BOTTOM DUMP  TRANSFER

ROLL-OFF(S)  FLAT-BED  VAN  DRUMS

FACILITY REQUIREMENTS

**FORWARD INC. LANDFILL**

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

**REMARKS**

**FACILITY TICKET NUMBER**  
76742

**SIGNATURE OF AUTHORIZED AGENT**  
\* [Signature]

**DATE**  
8-19-94

**CUBIC YARDS**  
18

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD)				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input checked="" type="checkbox"/> SOIL	X				
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

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

MANIFEST # 21691

JOB ACCEPTANCE NO. 1068

TO BE COMPLETED BY THE GENERATOR

**GENERATOR:**  
 Bill Cox Cadillac and Buick  
**MAILING ADDRESS:**  
 230 Bay Place  
 Oakland, CA 94612  
**PHONE:**  
 510-832-2852  
**CONTACT PERSON:**  
 \_\_\_\_\_  
**SIGNATURE OF AUTHORIZED AGENT / TITLE:** \* *David Hartney*      **DATE:** 8-19-94

**REQUIRED PERSONAL PROTECTIVE EQUIPMENT:**  
 GLOVES     GOGGLES     RESPIRATOR     HARD HAT  
 TY-VEK     OTHER

**SPECIAL HANDLING PROCEDURES:**  
 Avoid contact

**WASTE TYPE:**

<input type="checkbox"/> TREATMENT SOIL	<input type="checkbox"/> SLUDGE
<input checked="" type="checkbox"/> DISPOSAL SOIL	<input type="checkbox"/> NON-FRIABLE ASBESTOS
<input type="checkbox"/> CONSTRUCTION SOIL	<input type="checkbox"/> WOOD
	<input type="checkbox"/> ASH
	<input type="checkbox"/> OTHER

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

**GENERATING FACILITY:**  
 Bill Cox Cadillac and Buick  
 230 Bay Place  
 Oakland, CA 94612

**NAME:** Greg's Trucking  
**ADDRESS:** 2045 Detroit Drive  
 San Mateo, CA 94461  
**PHONE:** 415-343-5946  
**SIGNATURE OF AUTHORIZED AGENT OR DRIVER:** \* *[Signature]*      **DATE:** 8-19-94

**NOTES:** \_\_\_\_\_      **TRUCK NUMBER:** 228

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

**END DUMP:**     **BOTTOM DUMP:**     **TRANSFER:**   
**ROLL-OFF(S):**     **FLAT-BED:**     **VAN:**     **DRUMS:**

**REMARKS:** \_\_\_\_\_  
**FACILITY TICKET NUMBER:** \_\_\_\_\_  
**SIGNATURE OF AUTHORIZED AGENT:** \* *[Signature]*      **DATE:** 8-19-94

**CUBIC YARDS:** 18

DISPOSAL METHOD	TO BE COMPLETED BY FORWARD				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input checked="" type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

TRANSPORTER HAULER MUST COMPLETE FACILITY REQUIREMENTS

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

MANIFEST # 21692



NON-HAZARDOUS WASTE MANIFEST  
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO.

CM 1068

TO BE COMPLETED BY THE GENERATOR

GENERATOR  
Bill Cox Cadillac and Buick  
MAILING ADDRESS  
230 Bay Place  
CITY/STATE/ZIP  
Oakland, CA 94612  
PHONE  
510-832-2852  
CONTACT PERSON

SIGNATURE OF AUTHORIZED AGENT / TITLE  
\* David Harbo  
DATE  
8-19-94

WASTE TYPE  
 TREATMENT SOIL  
 DISPOSAL SOIL  
 CONSTRUCTION SOIL  
 SLUDGE  
 NON-FRIABLE ASBESTOS  
 WOOD  
 ASH  
 OTHER

GENERATING FACILITY  
Bill Cox Cadillac and Buick  
230 Bay Place  
Oakland, CA 94612

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

SPECIAL HANDLING PROCEDURES:  
Avoid contact

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

TRANSPORTER  
HAULER MUST COMPLETE

NAME  
Greg's Trucking  
ADDRESS  
2045 Detroit Drive  
CITY/STATE/ZIP  
San Mateo, CA 94461  
PHONE  
415-343-5946

SIGNATURE OF AUTHORIZED AGENT OR DRIVER  
\* Ronald Stahl  
DATE  
8-19-94

NOTES  
TRUCK NUMBER  
205

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

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL  
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REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT  
\* C. Carbajal  
DATE  
8-19-94

CUBIC YARDS  
18

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD)				
	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
<input checked="" type="checkbox"/> SOIL					
<input type="checkbox"/> SLUDGE					
<input type="checkbox"/> NON-FRIABLE ASBESTOS					
<input type="checkbox"/> WOOD					
<input type="checkbox"/> ASH					
<input type="checkbox"/> OTHER					

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

MANIFEST # 21693