

Clayton Environmental Consultants, Inc.

P.O. Box 9019 • 1252 Quarry Lane • Pleasanton, CA 94566 • (415) 426-2600

December 1, 1988

Clayton Project No: 45561-70

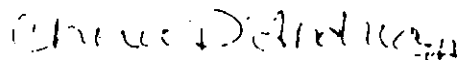
Mr. Lee Clark
Public Relations Director
OAKLAND TRIBUNE
P.O. Box 24304
Oakland, CA 94607

Dear Mr. Clark:

Enclosed please find our tank closure plan and preliminary groundwater investigation at the old Oakland Tribune garage in Oakland, California.

If you have any questions, please feel free to contact me at (415) 426-2629.

Sincerely,



Cherie D'Andrea
Geologist

CDA/hah
Enclosure

cc: Ms. Susan Tohbe, Oakland Tribune
Ms. Tommy Young, Attorney at Law

45561-2.ltr

Rec'd 7/18/89

Clayton Environmental Consultants, Inc.

1252 Quarry Lane • Pleasanton, California 94566 • (415) 426-2600

**Tank Closure Plan and
Preliminary Groundwater Investigation
at
Old Oakland Tribune Garage
for
THE TRIBUNE
Oakland, California**

**Clayton Project No. 45561-70
December 1, 1988**

EXECUTIVE SUMMARY

Clayton Environmental Consultants, Inc. was initially retained by THE TRIBUNE to conduct a Tank and Sump Closure (T&SC), and was later retained to conduct a Preliminary Groundwater Investigation (PGI), at the Old Oakland Tribune Garage located at 2302 Valdez Street, in Oakland, California. The purpose the two tasks were to comply with state and local regulations and to prepare the property for resale.

From information obtained during the T&SC and the PGI, Clayton concludes the following:

- Oil and grease concentrations are evident in nearly all soil samples collected.
- The lateral extent of the soil contamination has not yet been assessed because oil and grease appears to be present everywhere.
- There are volatile organic compounds in groundwater that exceed the state action levels: benzene, exceeds the state action level by over 1,000 times; toluene exceeds state action level by 3 times; and 1,4-dichlorobenzene exceeds state action levels by 60 times.
- All volatile organic compounds have aerated from the soil stockpile, however, the heavier oil and grease compounds are still present at levels exceeding the allowable limit of 100ppm.

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 - DOC. 1: H&H SHIP SERVICE REPORT TANK CONTENTS SAMPLING
 - DOC. 2: CLAYTON REPORT - SOIL SAMPLING FROM TANK AND DRAIN EXCAVATION
 - DOC. 3: CLAYTON REPORT - SOIL AND GROUNDWATER SAMPLING FROM MW-1 , MW-2, AND MW-3
- H UNDERGROUND TANK UNAUTHORIZED RELEASE REPORT
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1.0 INTRODUCTION

Clayton Environmental Consultants, Inc. was retained by Mr. Lee Clark, Public Relations Director at THE TRIBUNE, on November 12, 1987, initially to conduct subsurface activities (as outlined in Clayton's letter proposal dated November 5, 1987) at the Old Oakland Tribune Garage located at 23rd and Valdez Streets in Oakland, California. A site location map is shown in Figure 1.

The proposed work entailed the removal of two underground tanks and excavation of about 30 cubic yards of soil around a drain area. This work was being conducted to comply with state regulations and to prepare the site for resale. Previous investigations conducted at this site by Kleinfelder & Associates indicated the presence of minor soil contamination.

During the tank removal activities Clayton encountered significant subsurface contamination below the tank and around the drain. The contamination appeared to extend to the depth of the groundwater. Clayton was authorized to remove additional soil from the tank excavation and conduct a preliminary groundwater investigation (PGI) to determine whether the contamination had, indeed, migrated to the groundwater.

This report documents Clayton's tank removal and PGI activities, and includes the following sections:

- Securing of Proper Permits
- Field Activities
- Analytical Results
- Conclusions
- Recommendations

2.0 PERMITTING

An Underground Tank Closure Plan was submitted to the Alameda County Health Agency, Division of Hazardous Materials, Department of Environmental Health (DEH) for approval. Mr. Storm Goranson, Hazardous Materials Specialist, approved the plan on January 29, 1988. At this time, DEH required a check for the amount \$450 to inspect the work plan activities. The permit is shown in Appendix A, Document 1.

The Preliminary Groundwater Investigation Work Plan was approved on June 22, 1988. At this time, DEH required another check for the amount of \$450 to inspect the work plan. A copy of the letter of approval is shown in Appendix A, Document 2.

On July 19, 1988, before installing groundwater monitoring wells, a Groundwater Protection Ordinance Permit Application was submitted to the Alameda County Flood Control, Zone 7. The permit was obtained on July 20, 1988, and is shown in Appendix A, Document 3.

3.0 FIELD ACTIVITIES AND FINDINGS

A summary of the contractors, hazardous waste haulers, and inspectors affiliated with the project are shown in Tables 1 and 2. A description of the tank removal, drain excavation and well installation activities are presented in the following sections:

3.1 TANK REMOVAL ACTIVITIES

On February 23, 1988, and prior to tank excavation (See Appendix I, Photo 1), the following activities were conducted:

- Clayton prepared a comprehensive site specific Health and Safety Plan, (see Appendix B).
- USA Alert marked all utility lines using spray paint (sewer and water lines were located directly over the waste oil tank).
- H&H Ship Service Company (H&H) pumped out the residual materials in the tanks (approximately 19 inches of hazardous water) and transported it under manifest to H&H where the liquid was profiled at H&H's laboratory to determine its chemical composition (See Appendix I, Photos 2 and 3).
- R.W. Johnston and Son (Johnston) inerted the interior of the tanks by placing 50 pounds of dry ice into the fillpipe of the waste oil tank, and 200 pounds of dry ice into the fillpipe of the gasoline tank.
- Mr. Storm Goranson, the Health Inspector from the Alameda County Health Care Services Agency (DEH), Hazardous Materials Division, was onsite to inspect the tank removal activities.
- Mr. O.J. Spikes the Fire Inspector from the City of Oakland, Fire Investigative Unit surveyed the interior of the tanks using a Gas Tech Meter. Mr. Spikes provided the go-ahead to pull the tanks from the ground.

On February 23, 1988, R.W. Johnston and Son removed two underground storage tanks: one 8,000-gallon gasoline tank and one 750-gallon (previously thought to be a 500-gallon) waste oil tank. The tanks were situated end to end

SUMMARY OF TANK CLOSURE

TABLE 1

Contractor & Sampling and Analytical Services	Clayton Environmental Consultants 1252 Quarry Lane Pleasanton, California
Subcontractor Tank Cleaning, Tank Transporting, Tank and Tank Residue Disposal Site	H & H Ship Service Company 220 China Basin San Francisco, California EPA No. CAD004771168
Excavator	R.W. Johnston and Son 801 53rd Avenue Oakland, California
Inspectors	Alameda County Health Care Services Mr. Storm Goranson Hazardous Materials Division City of Oakland Mr. O.J.Spikes Fire Investigative Unit City of Oakland Mr. Gary Doyle Construction Division, Public Works

SUMMARY OF WELL INSTALLATION

TABLE 2

Contractor
Well Construction
Sampling and Analytical

Clayton Environmental Consultants
1252 Quarry Lane
Pleasanton, California

Subcontractors

Ensco Drilling
41674 Christy Street
Fremont, Ca 94538
License #C-57 464324

Hew Drilling
P.O. Box 51182
East Palo Alto, California
License #C-57 384167

beneath the sidewalk, about 3 feet below grade. The vent end of the gasoline tank was adjacent to the fill end of the waste oil tank. Figure 2 shows the tank locations. Photos 4 and 5 in Appendix I show the first encountered soil around the fillpipes of the tanks.

Upon removal, the gasoline tank (22.9 feet long by 8 feet wide) had no visible holes, and the waste oil tank (10 feet long by 3 feet wide and riveted style had about 5 holes, 1-inch in diameter, at the east end and bottom, near the seams. Photos 6 through 11 show scenes during the tank excavation. The holes in the waste oil tank were plugged with wood. Both tanks were strapped securely and loaded onto H&H's flatbed for transport.

The manifests for both tanks and liquid contents are shown in Appendix C, Documents 1 and 2. The tanks were transported as hazardous waste to H&H Ship Service and disposed as scrap metal. The documentation of disposal is presented as Appendix D.

As required by the Alameda County health inspector, two initial soil samples were collected below each tank, (see photo 12). Because visible and aromatic soil contamination was encountered, Clayton recommended extending the excavation area, and removing additional contaminated soil. The original dimensions of the excavation were 32 feet long by 9 to 11 feet deep by 12 feet wide. During excavation, Clayton screened the soil samples using a hydrocarbon vapor detector (PID meter), in an attempt to define the lateral and vertical extent of contamination.

After receiving authorization from The Tribune, Clayton extended the length of the excavation by 9 feet, and the depth by 9 feet (bgs). On the south side of the excavation at 17-1/2 feet bgs, Clayton observed a clean boundary between the contaminated blue-green clay, and the clean, light brown clay. One soil sample was collected at a depth of 18.5 feet to document the clean boundary. The PID meter did not detect hydrocarbon vapors in the clean material. Groundwater was not encountered at this end of the excavation.

On the north side of the excavation, at 17-1/2 feet bgs, approximately 35 feet away, Clayton encountered a water-bearing zone comprised of wet gravelly sands with a strong hydrocarbon odor. Because groundwater was encountered, the excavation activities halted. Clayton collected two soil

samples at a depth of 16 and 18.5 feet bgs for laboratory analysis. The PID meter readings detected hydrocarbon levels of 500 to 650 parts per million in these samples.

Approximately 30 cubic yards of soil were removed from the excavation pit, and piled onto plastic outside of the building (see photo 14). Figures 2 and 3 show all of the soil sampling locations in the tank excavation area.

3.2 DRAIN EXCAVATION ACTIVITIES

On February 29, 1988 Clayton excavated approximately 30 cubic yards of soil from beneath the underground sump inside the building (Drain Area, Figure 2). During excavation, the soil encountered down to a depth of 15 feet bgs had visual discoloration and strong hydrocarbon odors. At 15 feet bgs, a water-bearing gravelly sand unit was encountered, and excavation ended.

Two soil samples were collected for laboratory analysis. The PID meter readings indicated hydrocarbon levels present, ranging from 230 ppm to 500 ppm. The location of soil sampling is shown in Figures 3 and 4. Photos 16 through 20 show scenes from the sump excavation.

3.3 WELL INSTALLATION ACTIVITIES

To determine whether the contamination had migrated to the groundwater, Clayton established three soil borings, converted to groundwater monitoring wells.

3.3.1. Soil Boring Installation

On August 10, 1988 Clayton drilled three soil borings (BH-1, BH-2 and BH-3) at the Old Oakland Tribune Garage using a 10-inch diameter hollow stem auger drilling rig. These borings were converted to Monitoring Wells MW-1, MW-2 and MW-3. The monitoring well locations are shown in Figure 5.

The soil characteristics were logged in the field by a Clayton geologist using the Unified Soil Classification System. The cuttings were screened in the field using a photo-ionization detector (PID), which provided a quantitative indication of hydrocarbon levels existing in the soil. Distinguishing features such as color, odor, and moisture content were also noted. The soil boring logs are provided in Appendix E, Documents 1,2,3.

Drilling was conducted under the supervision of a geologist registered in the State of California. All drilling activities were conducted in accordance with the Regional Water Quality Control Board (RWQCB) guidelines. Auger cuttings and sampling spoils were added to the existing excavated soil.

The soil samples were collected at 5-foot intervals. No soil samples were collected below the water table. Clayton collected the soil samples in brass liners, sealed with teflon-lined plastic caps, and taped for air tightness. The sealed samples were labeled and immediately placed in an iced cooler for shipment to Clayton's state-certified laboratory for analysis. Proper chain of custody procedures were followed.

3.3.2 Well Construction, Development, and Sampling

Three groundwater wells were constructed of clean, 2-inch ID PVC casing with threaded joints and slotted screens. The slots were 0.020 inch wide with four rows per inch. The wells extended at least 20 feet into the first saturated aquifer, but the wells did not extend through any extensive clay layers 5 feet thick or thicker that were below the water table. The groundwater well construction diagrams are provided in Appendix E Documents 1,2,3.

The well sampling procedures were conducted in accordance with the RWQCB guidelines. The wells were purged of 10 well casing volumes until the water became clear during the purging. Field pH, specific conductance, and temperature measurements of the water were made at each well. As the specific conductance stabilized, indicating that the water was representative of the aquifer, the water was sampled.

Water samples collected from the groundwater wells were collected in glass containers, placed in an iced cooler, and transported to Clayton's laboratory with one trip blank included in accordance with Clayton's quality assurance/quality control (QA/QC) procedures.

Clayton placed the well development and sampling water from each groundwater well into individual labeled barrels, awaiting laboratory analysis to determine the appropriate disposal method.

3.3.3 Gradient Determination

Monitoring Wells MW-1, MW-2, and MW-3 were surveyed by Clayton Environmental and Bates & Bailey on August 20 and 22, 1988. Water level measurements were taken to determine the hydraulic gradient and flow direction. Clayton determined the approximate August groundwater flow direction to be S22W at a gradient of 0.84 feet per 100 feet. MW-1 was determined to be slightly upgradient of the previous underground storage tanks. MW-2 was determined to be in the downgradient direction of the drain area, and crossgradient of the tank area. MW-3 located in the drain area, was determined to be in the crossgradient direction of the tanks. This indicates that the best location for establishing additional soil borings would be to the southwest.

The elevations and hydraulic gradients are shown in Figure 5. Additional quarterly water level measurements are needed to confirm the groundwater flow direction.

3.4 SOIL AERATION ACTIVITIES

The soil removed from the tank excavation was stockpiled outside in the fenced parking lot immediately north of the garage and the soil removed from the sump was stockpiled inside the garage near the excavation.

After receiving authorization to aerate the contaminated soil stockpiled outside the building, Clayton retained R.W. Johnston to spread out the materials into a pad 6 to 12 inches thick. The soil aeration began in July 27, 1988. Johnston aerated the pile twice a week for 3 weeks. On August 10, 1988 three soil samples were collected. The results of sampling are shown to determine if all of the hazardous constituents had aerated.

3.5 SITE RESTORATION

To restore the excavated areas and prepare the property for the new tenants, Clayton performed the following activities:

- Repaved the tank excavation area (See photo 15).
- Repaved the sump excavation area (Photo not taken).
- Set curbside boxes, with locking covers, flush with the pavement (Photo not taken).

Clayton Environmental Consultants

- Swept the interior of the warehouse area (Photo not taken).
- Piled miscellaneous trash and debris, belonging to the Tribune, outside in the fenced lot (See Figure 5).

4.0 ANALYTICAL FINDINGS

4.1 TANK EXCAVATION SAMPLES (SOIL)

On February 23, 1988, H&H Ship Service collected and transported contaminated water from the interior of the tanks to their yard. The water was analyzed on April 23, 1988. Laboratory results indicate that no Polychlorinated Biphenyls (PCBs) were present and all other constituents detected were acceptable. The laboratory report is shown in Appendix G, Doc. 1.

Between February 23 and February 26, 1988, Clayton collected 11 soil samples from the tank excavation area. Table 3 shows soil sampling ID, parameters tested, and laboratory results (see Batch #s 8802123, 8802128, and 8802150).

Oil and grease was found to be the primary contaminant in the soil, with concentrations ranging from 2,400 to 12,000 ppm. These levels significantly exceed the allowable limit of 100 ppm.

At shallow depths of the excavation (just below the tank bottoms) high total petroleum hydrocarbons (TPH) levels ranged from 46 ppm to 4,000 ppm. At the deepest portion of the excavation, at 18.5 feet bgs TPH levels were not detected. The laboratory reports are shown in Appendix G, Doc. 2.

Clayton filed an Underground Tank Unauthorized Release Report with the RWQCB, as required by the local DEH (See Appendix H).

4.2 DRAIN EXCAVATION SAMPLES

On February 29, 1988, Clayton collected soil samples below the excavated sump. Analytical results indicate TPH levels ranging from 510 to 5,500 ppm, and oil and grease concentrations ranging from 610 to 2,100 ppm. The laboratory report is shown in Appendix G, Doc. 2.

4.3 MONITORING WELL SAMPLES

On August 10, 1988, soil samples were collected from three soil borings. The sample ID, parameter tested, and analytical results are shown in Table 3, Batch #8808781.

Soil and grease concentrations ranging from 210 to 3,600 ppm

were detected in all borings. Volatile organics compounds were not detected in MW-1, at 11-1/2 feet in MW-2, nor 16-1/2 feet in MW-3. Volatile organics compounds were detected in MW-2 at 15 feet and in MW-3 at 11-1/2 feet.

Groundwater samples were analyzed for purgeable aromatics using U.S. EPA Method 602 (Table 4 and Appendix G, Document3). Well MW-2 was not detected for all parameters. Well MW-1 contained gasoline constituents as indicated in Table 4. Well MW-3 contained chlorobenzene (8.5 ppb) and three isomers of dichlorobenzene (1,2- at 20 ppb; 1,3- at 2.8 ppb; and 1,4- at 31 ppb) in addition to gasoline constituents listed in Table 4

TABLE 3

Soil Sampling
Summary of Laboratory Analysis

Clayton Project No. 45561-70

Laboratory Batch No.	Date of Sampling	Sample ID No. & Description	Analysis Requested	Detected Concentrations			
				TPH (ppm)	VOC (ppm)	O&G (ppm)	BTEX (ppm)
8802123	02/23/88	1. Gas @ 11'-fill 2. Gas @ 11'-vent 3. w/o @ 9'-fill 4. w/o @ 9'-vent	HOLD HOLD HOLD O&G, TPH, VOC	46	B-0.27 T- E-2.10 X-10.00	6000	---
8802128	02/24/88	5. Gas @ 12'-fill	TPH & BTEX	4000	---	---	B-2.3 T-17 E-5.6
		6. Gas @ 12'-vent	TPH & BTEX	ND	---	---	X-67 B-0.1 T-ND
		7. w/o @ 10'-fill	TPH, O&G, VOC	100	ND	2400	E-0.2 X-0.7
		8. Excavation Pile	TPH	1100	---	---	---
8802150	02/26/88	9. West End Exca. @ 18-1/2'	TPH, BTEX	ND	---	---	B-ND T-0.04 E-ND
		10. East End Exca @ 18-1/2'	TPH, BTEX, O&G	ND	---	12,000	X-ND B-ND T-0.06 E-0.1
		11. East Exc. @ 16'	O&G			2400	X-0.2
880303	02/29/88	12. Drain Area @ 15'	O&G, TPH	5500 as Gas 1800 as Oil	---	2100	---
		13. Drain Area @ 13'	O&G, TPH	440 as Gas 510 as Oil	---	610	---
880878	08/10/88	14. Soil Pile NW	O&G, BTEX			750	ND
		15. Soil Pile SE	O&G, BTEX			750	ND
		16. Soil Pile Cntl	O&G, BTEX			970	ND

O&G Oil and Grease

TPH Total Petroleum Hydrocarbons

VOC Volatile Organic Compounds

TABLE 3
continued

Soil Sampling
Summary of Laboratory Analysis

Clayton Project No. 45561-70

Laboratory Batch No.	Date of Sampling	Sample ID No. & Description	Analysis Requested	Detected Concentrations			
				TPH (ppm)	VOC (ppm)	O&G (ppm)	BTEX (ppm)
880878	08/10/88	MW-1 @ 6-1/2'	O&G, BTEX			480	ND
		MW-1 @ 11-1/2'	O&G, BTEX			210	ND
		MW-2 @ 6-1/2'	O&G, BTEX			470	ND
		MW-2 @ 11-1/2'	O&G, BTEX			330	ND
		MW-2 @ 15'	O&G, BTEX			1600	B = .21 T = .20 E = 3.3 X = 9.6
		MW-3 @ 11-1/2'	O&G, BTEX			3600	B = .07 T = .40 X = 9.5
		MW-3 @ 16-1/2'	O&G, BTEX			350	ND

TABLE 4

Water Sampling
Summary of Laboratory Analysis

Laboratory Batch No.	Date of Sampling	Sample ID No. & Description	Analysis Requested	Detected Concentrations			
				TPH (ppb)	VOC (ppb)	O&G (ppb)	BTEX (ppb)
8808129	08/16/88	MW-1	BTEX				B = 1000 T = 400 E = 300 X = 600
		MW-2	BTEX				ND
		MW-3	BTEX				B = 52 T = 4.9 E = 1.0 X = 17

5.0 CONCLUSIONS

From observations made during the tank and sump excavation, and well installation, Clayton concludes the following:

- Oil and grease concentrations are evident in nearly all soil samples collected.
- The lateral extent of the soil contamination has not yet been assessed because oil and grease appears to be present everywhere.
- There are volatile organic compounds in groundwater samples that exceed the state action levels: benzene, exceeds the state action level by over 1,000 times; toluene exceeds state action level by 3 times; and 1,4-dichlorobenzene exceeds state action levels by 60 times (see Table 5).
- All volatile organic compounds have aerated from the soil stockpile, however, the heavier oil and grease compounds are still present at levels exceeding the allowable limit of 100 ppm.

TABLE 5

<u>Media</u>	<u>Contaminant</u>	<u>Range (ppm)</u>	<u>State Action Level (ppm)</u>
Soil	Benzene	ND - 2.3	Not established for soil,
	Toluene	.04 - 17	
	Ethylbenzene	ND - 5.6	
	Xylenes	ND - 67	
	Oil & Grease	610 - 12,000	
	Total Petroleum Hydrocarbons	ND - 5,500	

<u>Media</u>	<u>Contaminant</u>	<u>Range (ppb)</u>	<u>State Action Level (ppb)</u>
Water	Benzene	52 - 1,000	.70
	Toluene	1.0 - 300	100
	Ethylbenzene	4.9 - 400	680
	Xylenes	17 - 600	620
	Chlorobenzene	8.5	30
	1,2-Dichlorobenzene	20	130
	1,3-Dichlorobenzene	2.8	130
	1,4-Dichlorobenzene	31	130

6.0 RECOMMENDATIONS

Because the groundwater has benzene, toluene, and dichloroethane levels which exceed state action levels and the soil has oil and grease concentrations which exceed the allowable limit, Clayton recommends the following.

- Establish a quarterly groundwater sampling, analysis, and water level monitoring program to monitor the concentrations through time.
- Determine the tidal fluctuation influences, if any, of Lake Merritt.
- Obtain assessors map and parcel numbers to determine the owners of the adjacent lots. Negotiate with these owners to perform subsurface investigations on their property.
- Install additional monitoring wells downgradient, in the parking lots to the southwest, to determine the extent of contaminant migration.
- Install one additional well upgradient in the parking lot to the north to determine if the contaminant is migrating onsite from an offsite source.
- Bioremediate the soil piles onsite to reduce the oil and grease concentrations and allow disposal to a Class 3 dumpsite.

This report prepared by:

Cherie D'Andrea, for
Cherie D'Andrea
Geologist

This report reviewed by:

Gary D. Lowe
Gary D. Lowe, R.G.
Manager, Hydrogeology

December 1, 1988

*
 IGW
 MN
 0° 25' 7 MILS
 16 1/2°
 293 MILS
 UTM GRID AND 1980 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

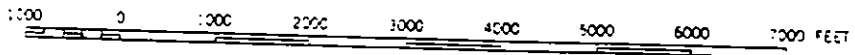
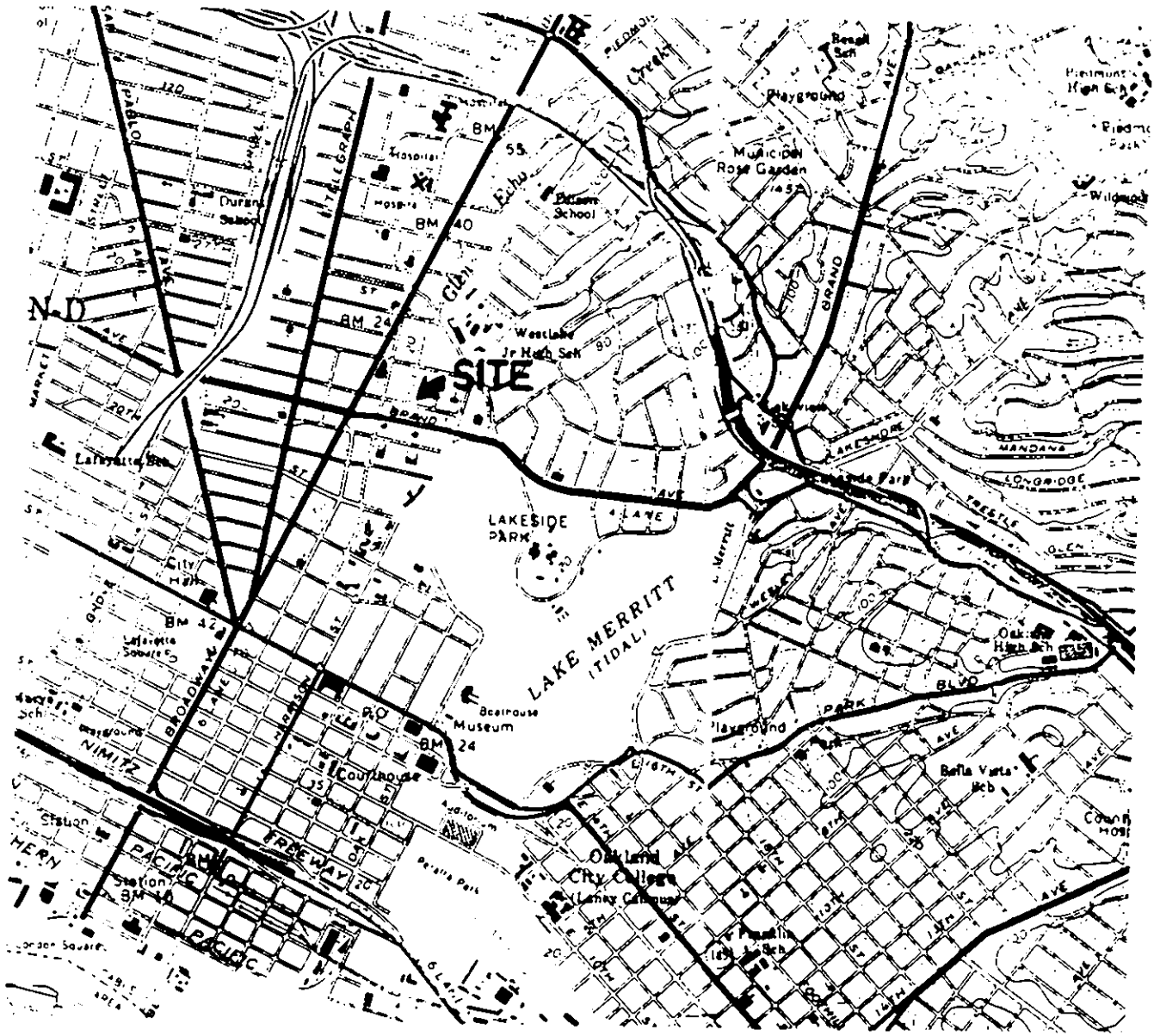


OAKLAND WEST, CALIF.
 N3745—W12215/7 5

AND

OAKLAND EAST, CALIF.
 SW 4 CONCORD 15 QUADRANGLE
 N3745—W12207 5/7 5

1959

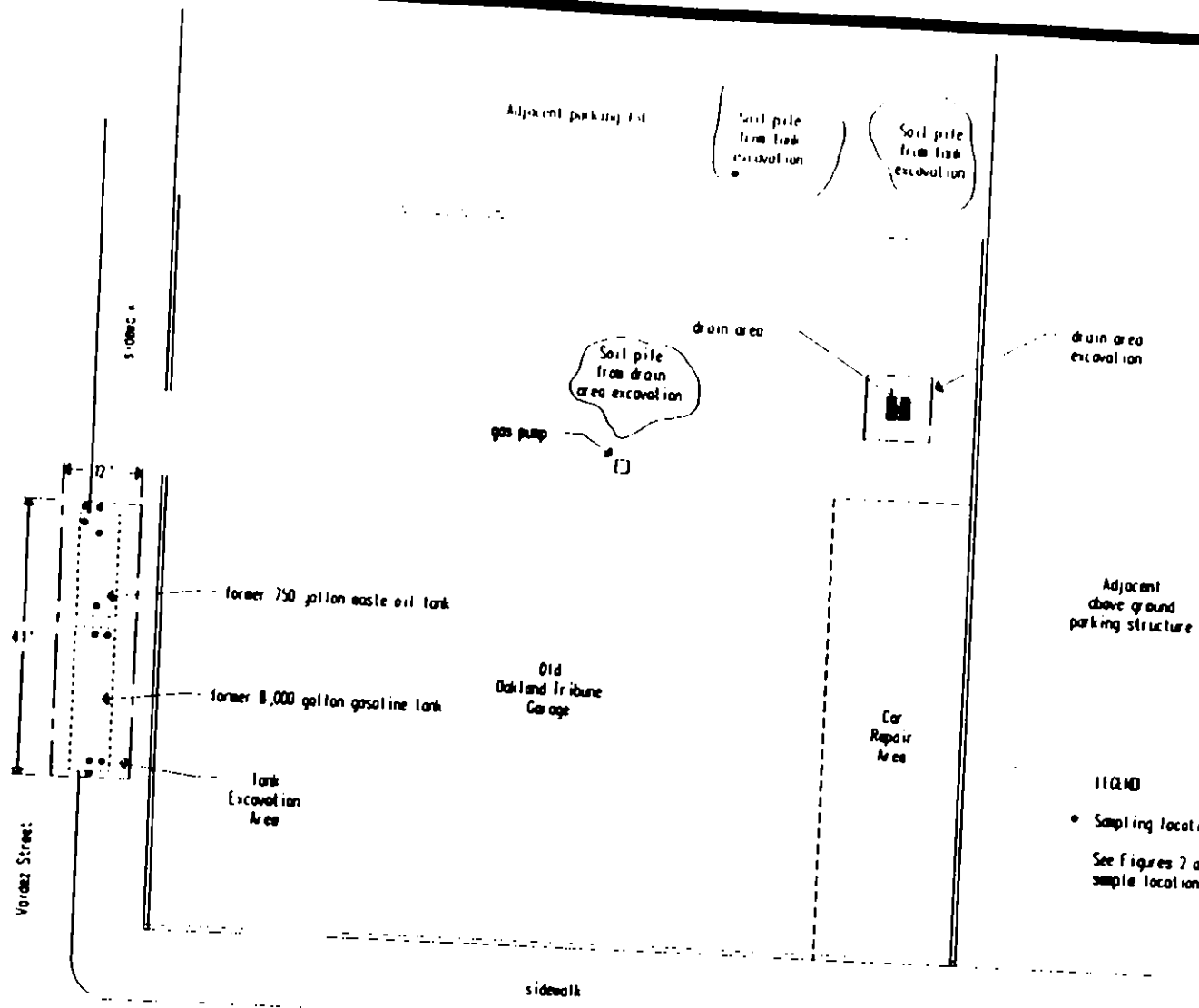


Clayton Environmental Consultants, Inc.

SITE LOCATION MAP
OLD OAKLAND TRIBUNE GARAGE
2302 Valdez Street
Oakland, California

Figure

1

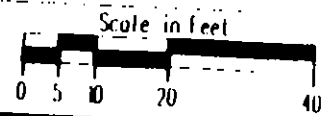


Adjacent above ground parking structure

LIQND

• Sampling location

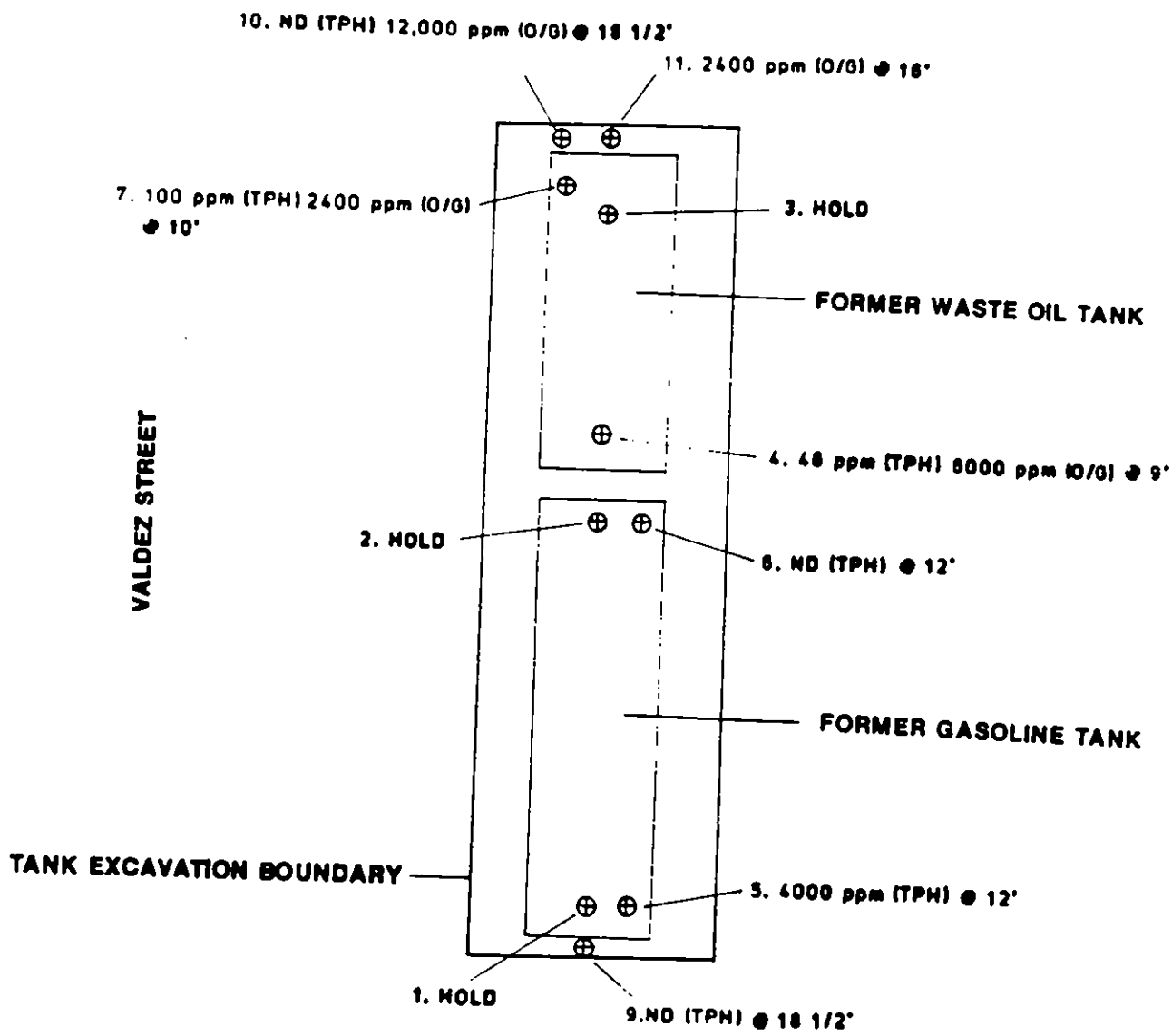
See Figures 2 and 3 for detail of sample locations & analytical results



Marion Environmental Consultants, Inc.
 Site and Soil Sampling Location Map
 The Old Oakland Tribune Garage
 Oakland, California

Figure

2



LEGEND

(TPH) Total Petroleum Hydrocarbons

(O/G) Oil and Gas

1. Sample Identification Number

@ 12' depth



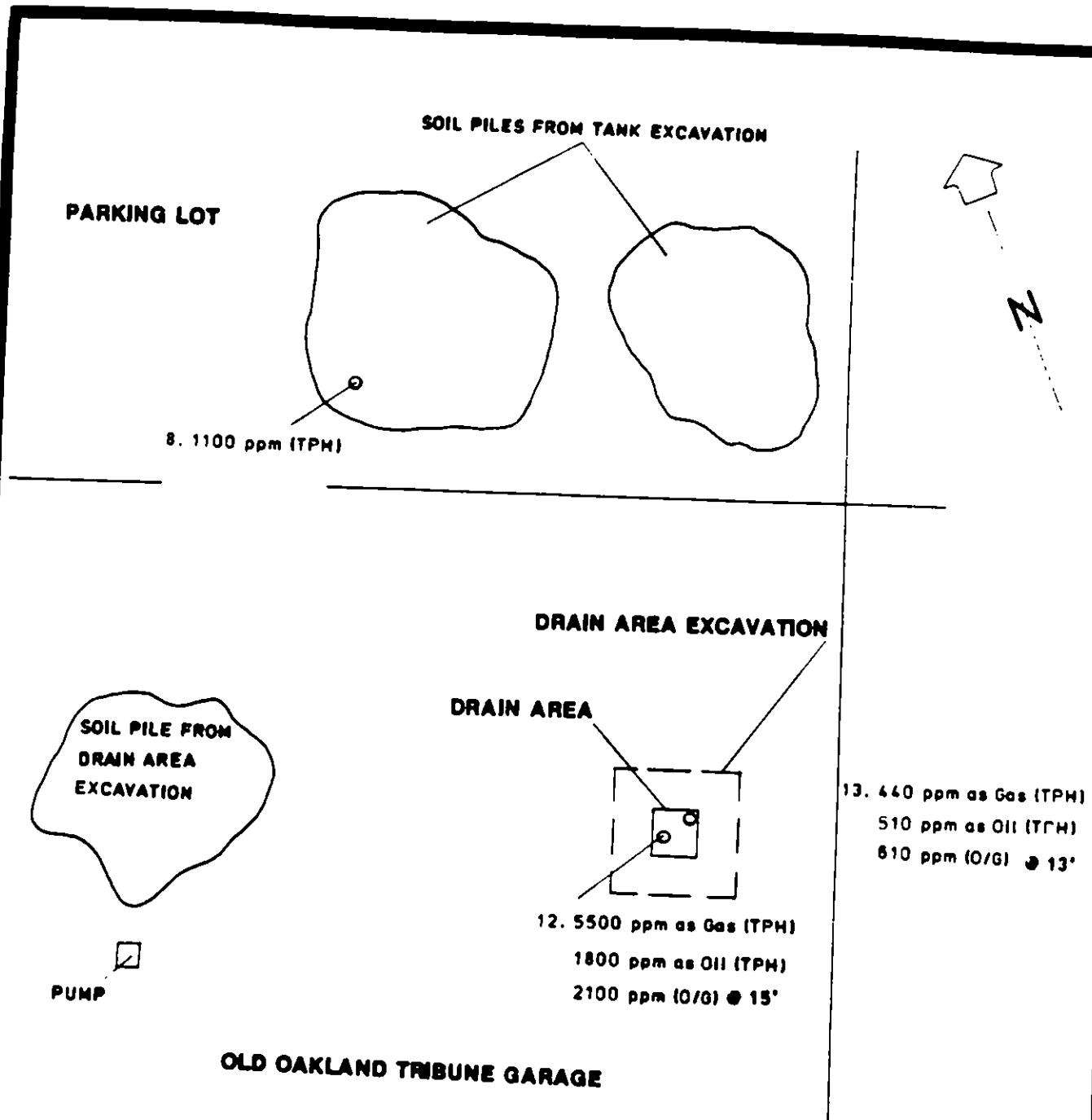
Clayton Environmental Consultants, Inc.

A Marsh & McLennan Company

FIGURE

DETAIL OF SAMPLE LOCATIONS FROM FORMER WASTE OIL AND GASOLINE TANKS
 THE OLD OAKLAND TRIBUNE GARAGE
 OAKLAND, CALIFORNIA

3



LEGEND

(TPH) Total Petroleum Hydrocarbons
(O/G) Oil and Gas
1. Sample Identification Number
@ 12' depth

Clayton Environmental Consultants, Inc.

A Marsh & McLennan Company

FIGURE

DETAIL OF SAMPLE LOCATIONS FROM INSIDE DRAIN AREA AND OUTSIDE SOIL PILE
THE OLD OAKLAND TRIBUNE GARAGE
OAKLAND, CALIFORNIA

4



Water from
drainage
area
to
drainage
area
to
drainage
area

Drain covers
(1" x 2" red bricks,
rubber bands,
only soil,
steel drain plate)

↓
groundwater flow direction

(1.95)
⊕ MW 1

⊕ MW 3
(4.21)

and pipe
A 11

former 750 gallon waste oil tank

former 8,000 gallon gasoline tank

Old
Oakland Tribune
Garage

Car
Repair
Area

Tank
Excavation
Area

(1.54)
⊕ MW 2

drain area
excavation

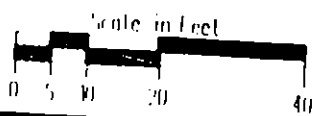
Adjacent
above ground
parking structure

LEGEND
⊕ Proposed groundwater monitoring well
(relative groundwater elevations)

41'
100' Oak Street

5' 200' Oak Street

23rd Street



Miller Environmental Consultants, Inc.
Groundwater Monitoring Well Location Map
The Old Oakland Tribune Garage
Oakland, California

Figure

5

03/18/88

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

053723

COUNTY OF ALAMEDA

\$450.00

114-70 (~~40000~~) 45561-70

DEPOSIT FOR THE REGULATORY AGENCY TO REVIEW THE OAKLAND TRIBUNE, CLOSURE PLAN

REF./
A/C NO.

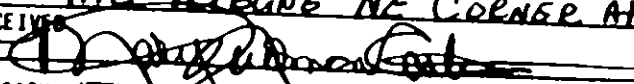
COUNTY OF ALAMEDA
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 1 '29 '88

MISCELLANEOUS RECEIPT

No 505562

\$450.00 —
DOLLARS

RECEIVED FROM:	Clayton Environmental Consultants, Inc.	
FOR:	1252 Quarry Lane, Pleasanton 94566	
	THE TRIBUNE NE CORNER AT 23RD + VALDEZ STS.	
RECEIVED BY:		DEPT. NO.: 430-453

CASH PERSONAL/CASHIER'S CHECK/M. O. # 053723

OTHER:

Storm Garanson
Hazardous Materials Specialist



DIVISION OF HAZARDOUS MATERIALS
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th St., 8th Fl., Oakland, CA 94612 • (415) 874-7233

271-4330
4520

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street Third Floor
Oakland, CA 94612
Telephone: (415) 874 7233

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by the Department are to ensure compliance with State and local laws. The project proposed herein is now released for construction of any required building permits for construction. One copy of these accepted plans must be on the job site available to all contractors and craftsmen involved in the construction and installation. Any change or alteration of these plans and specifications must be submitted to this Department and to the Building Inspection Department to determine if the changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Pre-Covering of Tank and Piping
 - Final Inspection
- Presence of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Setman

DRAFT

SUBMIT 2 COPIES

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- Business Name The Tribune
Business Owner The Tribune
- Site Address NE corner at 23rd and Valdez Streets
City Oakland Zip 94623 Phone None
- Mailing Address P.O. Box 24304 (409-13th Street)
City Oakland Zip 94623 Phone (415) 645-2380
- Land Owner The Tribune
Address Same as above City, State ----- Zip -----
- EPA I.D. No. CAC 000061373
- Contractor R.M. Johnston and Son
Address 801-53rd Ave.
City Oakland, CA Phone (415) 261-9424
License Type Contractor ID# 289839
- Other (Specify) Clayton Environmental Consultants, Inc.
Address 1252 QUARRY Lane
City Pleasanton, CA Phone (415) 462-2629

TANK DISPOSAL SITE - 1 -
ADDRESS 1801 Evans Ave. San Francisco/ 600 South 4th, Richmond, CA
Circosta Metals/ee Levin Metals (Tow wrapped)

DRAFT

8. Contact Person for Investigation

Name Gary Lowe Title Manager of Subsurface Investigations
Phone (415) 426-2600

9. Total No. of Tanks at facility 2

10. Have permit applications for all tanks been submitted to this office?
Yes [] No [x]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name Hydro Chem A E H EPA I.D. No. CA0980814594
Address Hunters Pt. Shipyard, Bldg. 418 Box 76
City San Francisco State CA Zip 94124

b) Rinsate Transporter

Name Hydro Chem EPA I.D. No. CA0980814549
Address Hunters Point Shipyard
City San Francisco State CA Zip 94124

c) Tank Transporter

Name Hydro Chem A E H EPA I.D. No. CA0980814594
Address Hunters Point Shipyard
City San Francisco State CA Zip 94124

d) Contaminated Soil Transporter

Name Hydro Chem EPA I.D. No. CA0980814594
Address Hunters Point Shipyard
City San Francisco State CA Zip 94124

12. Sample Collector

Name Cherie D'Andrea
Company Clayton Environmental Consultants
Address 1252 Quarry Lane
City Pleasanton State CA Zip 94566 Phone (415) 426-2600

13. Sampling Information for each tank or area.

URAI

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
8,000 Gal.	Gasoline	Soil	Approximately 12 feet below ground surface (bgs).
550 Gal.	Waste Oil	Soil	Approximately 8 feet bgs

14. Have tanks or pipes leaked in the past? Yes [] No [] ?
 If yes, describe. NOT TESTED

15. NFPA methods used for rendering tank inert? Yes [] No []
 If yes, describe. Tank will be inerted with dry ice, but hauled as hazardous waste.

16. Laboratories
 Name Clayton Environmental Consultants
 Address 1252 Quarry Lane
 City Pleasanton State CA Zip 94566
 State Certification No. 163 (See attached certificate)

17. Chemical Methods to be used for Analyzing Samples

DRAFT

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Water Oil	Total metals, VOC, and PCBs	
WASTE oil tank (soil sample) GAS Total Petroleum Hydrocarbons as	→ TPH, TOG, VOC (2) TPH (fuel) BYXG (2) EPA 8615	
(soil sample) P.T Total Oil and Grease	→ TPH & TOG (Soil & Bottom) EPA 3550	
Soil well Water sampler Volatile compounds	→ TPH, TOG, VOC * EPA 624	+ @ 5' ¹⁰ detection for further analysis
(water sample) WHTL Total Petroleum Hydrocarbons	→ TPH, BYXG EPA 601 and 602	

18. Site Safety Plan submitted? Yes [x] No []

19. Workman's Compensation: Yes [x] No []

Copy of Certificate enclosed? Yes [x] No []

Name of Insurer Marsh & McLennan (see attachments)

20. Plot Plan submitted? Yes [x] No []

21. Deposit enclosed? Yes [x] No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

DRAFT

I declare that to the best of my knowledge and belief the statement and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) in advance to schedule any required inspections. I understand that site and worker safety are soley the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Clayton Environmental Consultants, Inc.
Signature _____

Date _____

Signature of Site Owner or Operator

Name (please type) OAKLAND TRIBUNE, INC.
Signature John W. Clark

Date 1/29/88

NOTE - (1) NO PD for field TPA
(2)

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.

STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS WASTE TESTING LABORATORY CERTIFICATE

is hereby granted to
MCKESSON ENVIRONMENTAL SERVICES, INC.

to conduct analysis of hazardous waste in the following test categories:

PARTIAL ORGANIC CHEMICAL ANALYSIS
FULL INORGANIC CHEMICAL ANALYSIS
PHYSICAL PROPERTY TESTING
CALIFORNIA WASTE EXTRACTION TEST

This Certificate is granted in accordance with provisions of Article 8.5,
Chapter 6.5, Division 20 of the Health and Safety Code.

Certificate No. 163

Expiration Date SEPTEMBER 8, 1988



Issued at Berkeley, on SEPTEMBER 9, 1986

by R. Stegler
Chief, Hazardous Materials Laboratory Section

EXPIRES:

June 30, 1989

STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES
LABORATORY SERVICES
SANITATION AND RADIATION LABORATORY
APPROVED WATER LABORATORY

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Pleasanton

is hereby approved as a _____ water laboratory
for the performance of analytical examinations as follows:

General Chemical
Organic Chemical

Issued at Berkeley, July 1, 1983

Amended, May 15, 1986 & March 17, 1987

By B. P. Tauler
Chief, Sanitation and Radiation Laboratory

This approval is subject to revocation
or suspension for good cause

FORM 245 302A (REV. 11 71)
00001 000 10 10 20 00P 00P

INSURANCE COVERAGE

Producer: Marsh & McLennan, Incorporated
1221 Avenue of the Americas
New York, New York 10020

Insured: Marsh & McLennan Companies, Inc. and/or
Clayton Environmental Consultants, Inc.

Coverages

General Liability:

Comprehensive Form
Policy Number - 602NA5308
Policy Effective Date - 9/30/87
Policy Expiration Date - 9/30/88
Liability Limits - Bodily Injury & Property Damage Combined
\$1,000,000

Automobile Liability:

Any Auto
Policy Number - 602NA5308
Policy Effective Date - 9/30/87
Policy Expiration Date - 9/30/88
Liability Limits - Bodily Injury & Property Damage Combined
\$1,000,000

Excess Liability:

Umbrella Form
Policy Number - 502XA2234
Policy Effective Date - 9/30/87
Policy Expiration Date - 9/30/88
Liability Limits - Bodily Injury & Property Damage Combined
\$5,000,000

Workers Compensation and Employers' Liability:

Policy Number - 702NA0747
Policy Effective Date - 9/30/87
Policy Expiration Date - 9/30/88
Statutory Limits and \$100,000 Each Accident

THE TRIBUNE

P.O. BOX 24304 (409 13th ST.) OAKLAND, CA 94623 (415) 645-2000

June 28, 1988

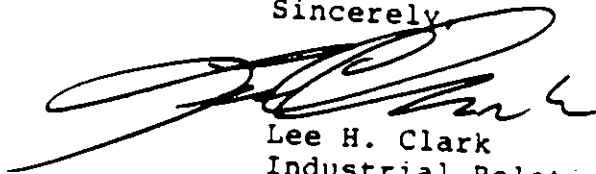
Gary D. Lowe, R.G.
Clayton Environmental Consultants, Inc.
P.O. Box 9019
Pleasanton, CA 94566

Dear Mr. Lowe:

On June 22, we received the enclosed letter and form with instructions on how to deal with soil contaminated during the removal of underground tanks at our property at 23rd and Valdez Sts. in Oakland. We would like to know whether your firm would handle these tasks.

Please call my office (645-2380) as soon as possible with a response. Thank you for your time and consideration.

Sincerely,



Lee H. Clark
Industrial Relations Director

Enclosures
LC/rh

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Director



Telephone Number: (415) 271-4320

June 22, 1988

The Tribune
P.O. Box 24304
Oakland, CA 94623

SUBJECT: UNDERGROUND TANK REMOVAL, 23RD & VALDEZ STS., OAKLAND

Dear Mr. Sirs:

We have received the report of analytical results from the sampling that was performed at your facility during the removal of several tanks in February 1988. The sample was analyzed for petroleum hydrocarbons and was found to contain up to 5500 parts per million.

- A. Please complete and submit the form titled "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report." This report must be filed with the Health Agency immediately. A copy is enclosed for your convenience.

According to the California Regional Water Quality Control Board, San Francisco Region "Guidelines for Addressing Fuel Leaks," any soil containing greater than 100 parts per million is considered a "confirmed release." Any soil containing greater than 1,000 parts per million must be excavated. The excavated soil may be aerated on site to remove the contamination and then put back in the pit. The Bay Area Quality Management District (771-6000) must be consulted prior to any soil aeration activities. The soil may alternatively be removed and disposed of properly at an approved Class I disposal site.

- B. You will need to obtain professional services from a reputable engineering/consulting firm.

The responsibility of your consultant will be to establish the extent of contamination and provide professional judgment/recommendations, based on scientific data of the necessary remedial actions needed. A plan and time schedule for investigation should be submitted to the agency within 30 days.

The Tribune
P. O. Box 24304
Oakland, CA 94623
June 22, 1988
Page 2 of 2

The following is a summary of the steps your consultant should take to evaluate the problem.

1. Preliminary Assessment
 - site history
 - results of initial work done
 - proposal for the delineation of the site's contamination
2. Site Investigation
 - site geology and hydrogeology
 - definition of lateral & vertical extent of contamination, including soil and groundwater
 - evaluation of mitigation alternatives
3. Final Remedial Plan
 - plans for the removal of soil contaminants and recovery of fuel product & removal of dissolved constituents from the groundwater
 - details & time frame for implementing the various remedial phases

In addition, you must submit \$450.00 as a deposit for Health Agency's costs.

Should you have any questions regarding your responsibilities in this matter, please contact Storm Goranson, Hazardous Materials Specialist at 271-4320.

Sincerely,

Rafat A. Shahid

Rafat A. Shahid, Chief
Hazardous Materials Division

RAS:SG:nan

cc: C. D'Andrea, Clayton Environmental Consultants, Inc.

Enclosure



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE • PLEASANTON, CALIFORNIA 94566 • (415) 484-2600

21 July 1988

Ms. Cherie D'Andrea
Clayton Environmental Consultants, Inc.
1252 Quarry Lane
Pleasanton, CA 94566

Dear Ms. D'Andrea:

Enclosed is Groundwater Protection Ordinance permit 88340 for a monitoring well construction project at Valdez and 23rd Streets in Oakland for The Tribune.

Please note that permit condition A-3 requires that the report, consisting of logs and location sketch, be submitted after completion of the work.

If you have any questions, please contact Wyman Hong or Craig Mayfield at 484-2600.

Very truly yours,

Mun J. Mar
General Manager

By

J. Killingstad, Chief
Water Resources Engineering

WH: bkm
Enc.



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 1404 CONCANNON BOULEVARD LIVERMORE, CALIFORNIA 94550 (415) 443-9
GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

(1) LOCATION OF PROJECT Northeast corner at Valdez and 23rd
Streets, Oakland, CA 94623

PERMIT NUMBER 88340

LOCATION NUMBER _____

(2) CLIENT

Name The Tribune
 Address 409-13th ST, 7th Floor Phone 415/645-2380
 City Oakland Zip 94623

Approved Wyman Hong Date 30
 Wyman Hong

(3) APPLICANT

Name Cherie D'Andrea, Geologist
Clayton Environmental Consultants, Inc.
 Address 1252 Quarry Lane Phone 415/426-2629
 City Pleasanton Zip 94566

PERMIT CONDITIONS

Circled Permit Requirements Apply

(4) DESCRIPTION OF PROJECT

Water Well Construction Geotechnical _____
 Cathodic Protection _____ Well Destruction _____

(5) PROPOSED WATER WELL USE

Domestic _____ Industrial _____ Irrigation _____
 Municipal _____ Monitoring Other _____

(6) PROPOSED CONSTRUCTION

Drilling Method:
 Mud Rotary _____ Air Rotary _____ Auger
 Cable _____ Other _____

WELL PROJECTS

Drill Hole Diameter 10 in. Depth 35 ft.
 Casing Diameter 4 in. Number MW-1, MW-2, MW-3
 Surface Seal Depth 11 ft.
 Driller's License No. New Drilling C-57 384167
Clayton R.G. #3768

GEOTECHNICAL PROJECTS

Number _____
 Diameter _____ in. Maximum Depth _____ ft.

(7) ESTIMATED STARTING DATE July 25, 1988

ESTIMATED COMPLETION DATE July 27, 1988

(8) I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S

SIGNATURE Cherie C. D'Andrea Date 7/19/88

A. GENERAL

1. A permit application should be submitted so arrive at the Zone 7 office five days prior to proposed starting date.
2. Notify this office (443-9300) at least one week prior to starting work on permitted work before placing well seals.
3. Submit to Zone 7 within 30 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report equivalent for well projects, or bore hole log and location sketch for geotechnical projects. Permitted work is completed when the last seal is placed or the last boring is completed.
4. Permit is void if project not begun within 60 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie, or equivalent.
2. Minimum seal depth is 50 feet for municipal wells or 20 feet for domestic, irrigation, and monitoring wells unless a lesser depth is specially approved.

C. GEOTECHNICAL. Backfill bore hole with compacted bentonite or heavy bentonite and upper two feet with compacted material.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie, or equivalent.

E. WELL DESTRUCTION. See attached.

DRAFT

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

HEALTH AND SAFETY PLAN

ATTACHMENT A

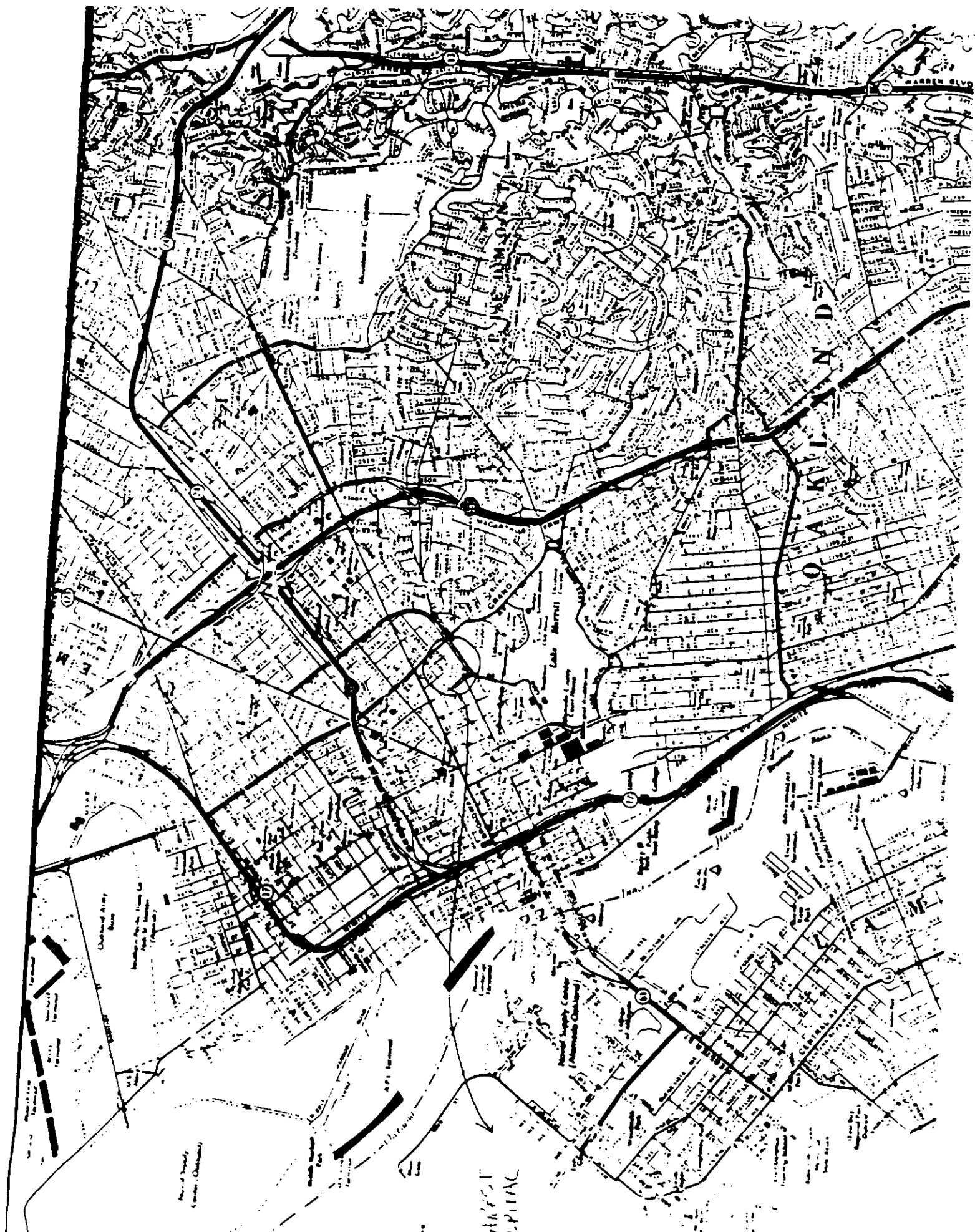
Tank Area	Contaminant:	TWA	STEL	Other INFORMATION:
23 rd STREET & VALDEZ ST.				Biological symptoms: skin irritation Respiratory problems Eye irritation IN case of emergency: - WASH AREAS exposed with soap + water - move to fresh air imme <u>NEAREST HOSPITAL TO SITE:</u> Kaiser Center west on Valdez to 21 st Left on 21 st - 1 block. Kaiser Center. Prominent wind direction: From the EAST → West Escape ROUTE: West towards 21 st .
	GASOLINE	300 ppm 900 mg/m ³	500 ppm 1500 mg/m ³	
	BENZENE	10 ppm 30 mg/m ³	NA	
	Toluene	100 ppm 375 mg/m ³	.02 ppm .15 mg/m ³	
	Ethylene	N/A		
	Xylene	100 ppm 436 mg/m ³	150 ppm 655 mg/m ³	

PERSONNEL ON SITE who have read HEALTH + SAFETY Plan:

Garry Bott

Rick Brown
(R.W. Johnston crew)

Carrie Drogatz
Cheri Anderson
(Clayton crew)



1110

Source
of Utility

ALABAMA
HOSPITAL

APPENDIX C
HAZARDOUS WASTE MANIFEST FOR
TANKS AND TANK CONTENTS

Valdes

UNIFORM HAZARDOUS WASTE MANIFEST



GENERATOR

RECEIVER

FACILITY

1 Generator's US EPA ID No. **CA010100613733418311** Manifest Document No. **31418311**

2 Page 1 of 1 Information in the shaded area is not required by Federal law

3 Generator's Name and Mailing Address
General Trucking Co

4 Generator's Phone (415) 442-2421

5 Transporter 1 Company Name **HIGH SHIP SERVICE CO** US EPA ID Number **CA010047711168**

6 Transporter 2 Company Name

7 Designated Facility Name and Site Address
HIGH SHIP SERVICE CO SAN FRAN. US EPA ID Number **CA010047711168**
220 CHINA BAYN ST.

8 State Manifest Document Number **87434831**

9 State Generator's ID

10 State Transporter's ID **800846**

11 State Transporter's Phone **543-4835**

12 State Facility's ID **38-001-78**

13 Facility's Phone **415 542 4835**

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers		13 Total Quantity	14 Unit Wt./Vol	15 Waste No
	No	Type			
a WASTE HAZARDOUS LIQUID OR M-E NO. N.A. 7189		DIGITIT		2	State 134 EPA/Other N/A
b				L	State EPA/Other
c					State EPA/Other
d					State EPA/Other

16 Additional Descriptions for Materials Listed Above
19% WATER
1% Petroleum

17 Handling Codes for Wastes Listed Above
 a. b. c. d.

18 Special Handling Instructions and Additional Information
Gloves

19 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Robert W. Nylander** Signature *Robert W. Nylander* Month Day Year **10 21 81**

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **Gregory W. Jensen** Signature *Gregory W. Jensen* Month Day Year **10 21 81**

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 18

Printed/Typed Name _____ Signature _____ Month Day Year _____

IN CASE OF AN EMERGENCY OR SPILL CALL THE NATIONAL RESPONSE CENTER 1 800 424 8802 WITHIN CALIFORNIA CALL 1 800 852 7550

Form designed for use on site (12 pitch typewriter)

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No
 01A10101016113713314171615
 Manifest Document No

2. Page 1 of 1
 Information in the shaded area is not required by Federal law

3 Generator's Name and Mailing Address
 THE TRIBUNE
 PO Box 24304 OAKLAND, CA
 4 Generator's Phone (415) 645-2306 94623
 5. Transporter 1 Company Name
 H-H Ship Company
 6. US EPA ID Number
 01A1010101477111618
 7. Transporter 2 Company Name
 8. US EPA ID Number

A. State Manifest Document Number
 87434705

B. State Generator's ID

C. State Transporter's ID
 907438

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

9 Designated Facility Name and Site Address
 H-H Ship Company
 220 CHINA BASIN
 SAN FRANCISCO, CA
 10. US EPA ID Number
 01A1010101477111618

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13 Total Quantity	14 Unit Wt/Vol	Waste No.
	No	Type			
a. 8000 gallon Empty gasoline tank, waste flammable liquid UN1203	01011	TIP	8000 gal	512	State EPA/Other
b. 550 gallon tank - Empty waste oil tank Combustible liquid NA1270			550 gal	513	State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
 EMPTY UNDERGROUND gasoline storage - Empty underground waste oil tank with 1 gallon residual liquid

K. Handling Codes for Wastes Listed Above
 a. b. c. d.

13. Special Handling Instructions and Additional Information
 - NONE -

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Fred A. Toliver
 Signature: [Signature]
 Month Day Year: 11-30-88

17. Transporter 1 Acknowledgment of Receipt of Materials
 Printed/Typed Name: Donald D. Baskerville
 Signature: [Signature]
 Month Day Year: 12-20-88

18. Transporter 2 Acknowledgment of Receipt of Materials
 Printed/Typed Name: [Blank]
 Signature: [Blank]
 Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
 Printed/Typed Name: [Blank]
 Signature: [Blank]
 Month Day Year: [Blank]

GENERATOR
TRANSPORTER
FACILITY

HS 8022 A (11/87)
 PA 8700-22
 Rev 9-88) Previous editions are obsolete.

Blue: GENERATOR SENDS THIS COPY TO DONS WITHIN 30 DAYS
 To: P.O. Box 400, Sacramento, CA 95802

INSTRUCTIONS ON THE BACK



W. J. HARRIS

*Attn
Chavez*

CERTIFICATE OF DISPOSAL

29 FEBRUARY

H & H Ship Service Company hereby certifies to R. W. JOHNSTON
that:

1. The storage tank(s), size(s) 1 - 8,000 and 1 - 1,000 gallon

removed from the OAKLAND TRIBUNE

facility at 23rd and VALDEZ

OAKLAND, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin Street,
San Francisco, California 94107.

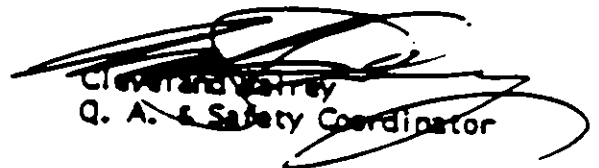
2. The following tank(s), H & H Job Number: 7247
have been steamed cleaned, cut with approximately 2' X 2' holes,
rendered harmless and disposed of as scrap metal.

3. Disposal site: LEVIN METALS CORPORATION, RICHMOND, CALIFORNIA

4. The foregoing method of destruction/disposal is suitable for the
materials involved, and fully complies with all applicable regulatory
and permit requirements.

5. Should you require further information, please call (415) 543-4836.

Very Truly Yours,


Cleveland Valley
Q. A. & Safety Coordinator

220 CHINA BASIN, P.O. BOX 77363 · SAN FRANCISCO, CA 94107 · DAY AND NIGHT: 543-4835

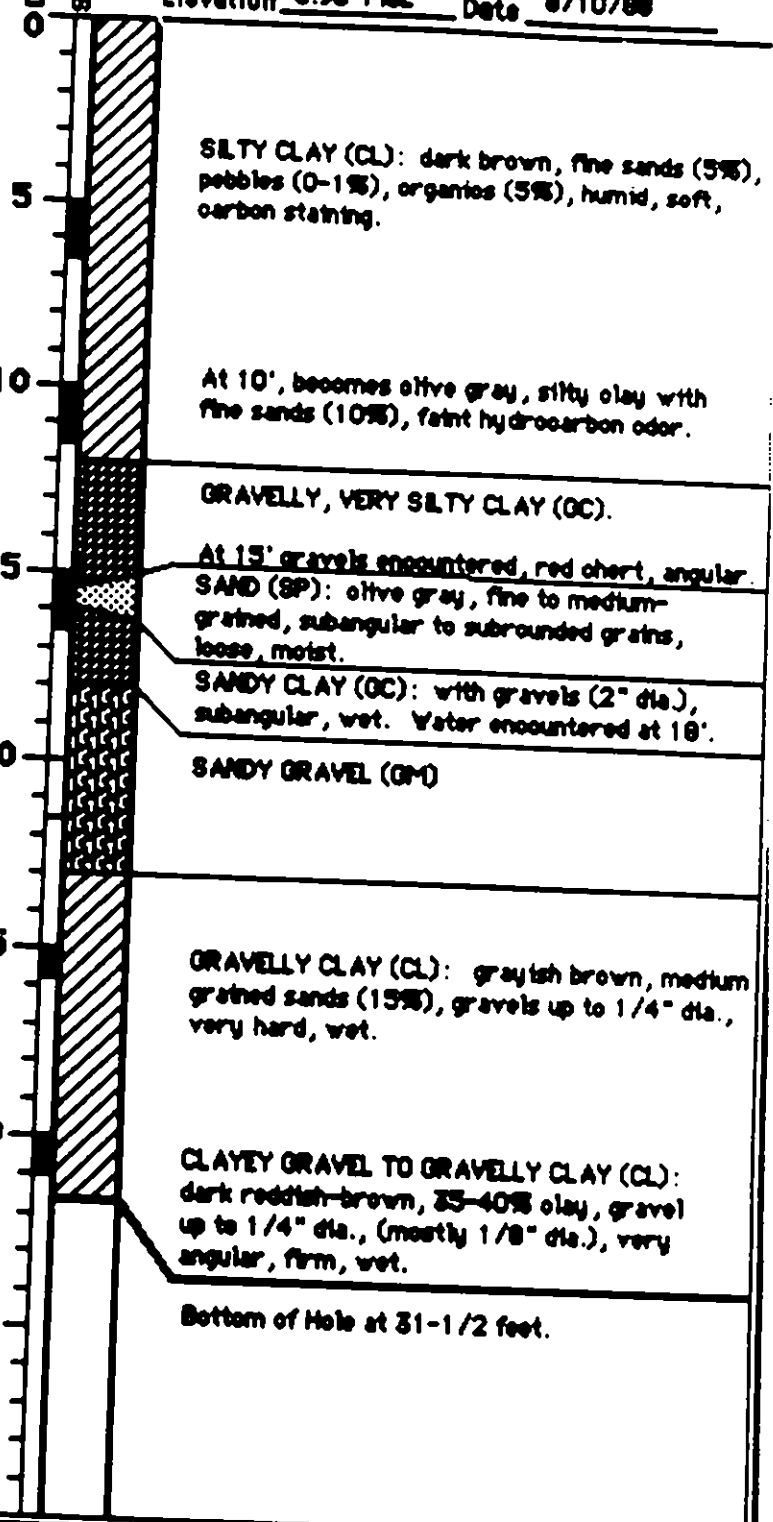
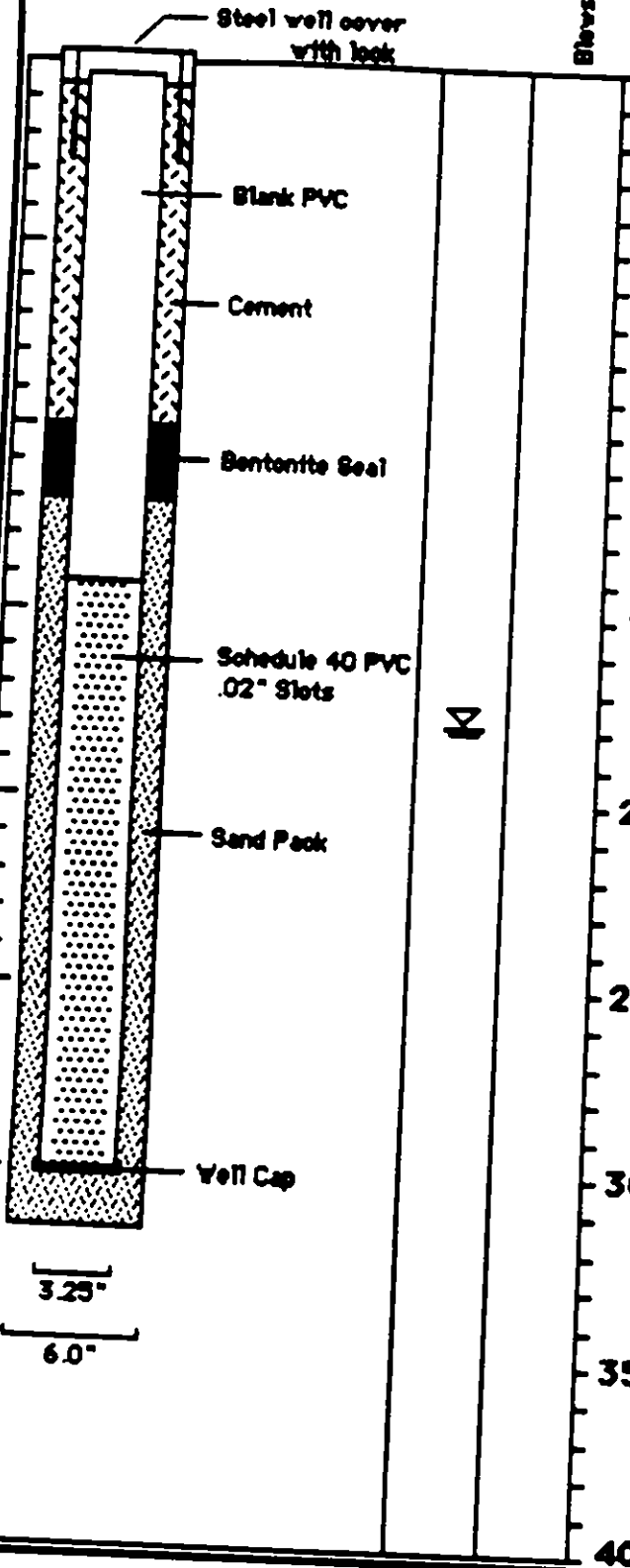


Well Installation Diagram

LOG OF BORING MW-1

Equipment Hollow Stem Auger

Elevation 3.95' MBL Date 8/10/88



Clayton Environmental Consultants, Inc.

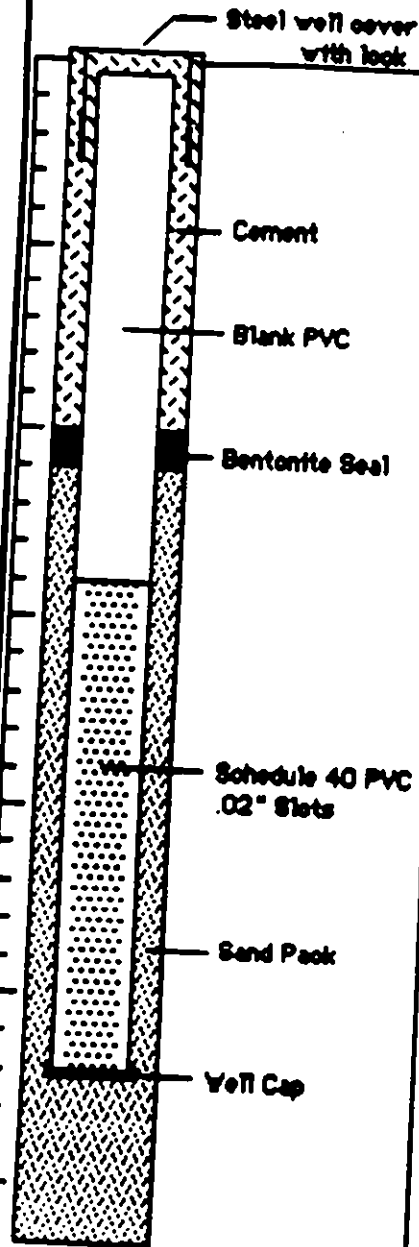
THE OAKLAND TRIBUNE
23rd ST. AND VALDEZ
OAKLAND, CALIFORNIA

Document

Job No. 43361-70 Appr: _____ Date 10/13/88

1

Well Installation Diagram



Blows (ft.)

Depth (ft.)
Sample pits

LOG OF BORING MW-2

Equipment Hollow Stem Auger

Elevation 3.54' MSL Date 8/10/88

5
10
15
20
25
30
35
40

SILTY CLAY (CL): light yellowish-brown, 10% sand, 3% organics, 0-1% pebbles 1/8" dia., very hard, humid.

SILTY CLAY (CL): yellowish-brown, 10% sand, 5% organics, hard, dry.

GRAVELLY SILT (GC): olive gray, 15% sand, loose, moist, very faint hydrocarbon odor. Very hard drilling at 14-1/2 ft.

Groundwater encountered at 18 ft.

SILTY GRAVEL (GM): olive gray, gravels are subangular clasts of chert (up to 1" dia.), saturated, hydrocarbon odor.

Silty gravel, wet, hard.

CLAYEY SILT (CL): mottled pale brown and brownish-yellow, 0-1% gravel, 0-1% organics, hard, wet.

Bottom of hole at 31-1/2 feet.

Clayton Environmental Consultants, Inc.

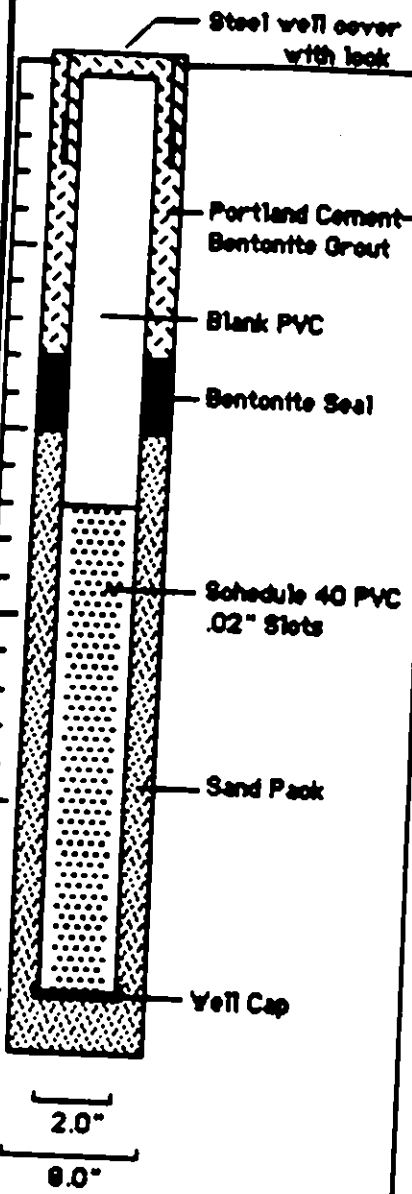
**THE OAKLAND TRIBUNE
23rd ST. AND VALDEZ
OAKLAND, CALIFORNIA**

Document

2

Job No. 45661-70 Appr. _____ Date 10/17/88

Well Installation Diagram



Blows/R.

32

32

38

49

30

35

40

Depth (ft.)

Sample pts.

LOG OF BORING MW-3

Equipment HoNew Stem Auger

Elevation 4.21' MBL Date 8/10/88

SAND (SP): gray, very fine to fine-grained, well sorted, micaceous, moist, loose.

Imported Fill

SILTY CLAY (CL): gray, slightly sandy, wet, with interbedded CLAYEY SAND, fine-grained, both contain 15% small angular gravel. Water encountered at 15 feet.

SANDY CLAY (SC): light brown, abundant carbon blebs, slight gray mottling, hydrocarbon odor.

Sand, gray, fine-grained at 25 ft. Clayey gravel, tight, moist at 25-1/2 ft.

CLAYEY SAND (SC): light reddish-brown, scattered small angular gravel oasts (1/4" dia.).

Bottom of Hole at 26-1/2 feet.

Clayton Environmental Consultants, Inc.

Job No. 45561-70 Appr: _____ Date 10/17/88

THE OAKLAND TRIBUNE
23rd ST. AND VALDEZ
OAKLAND, CALIFORNIA

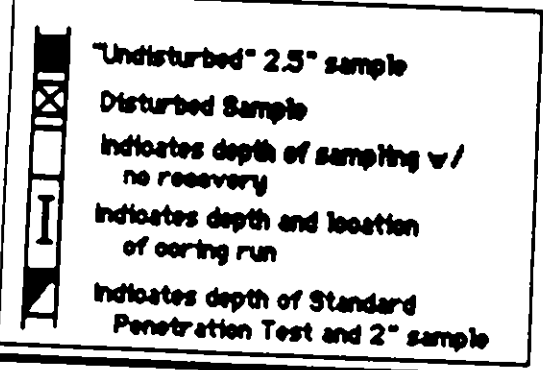
Document

3

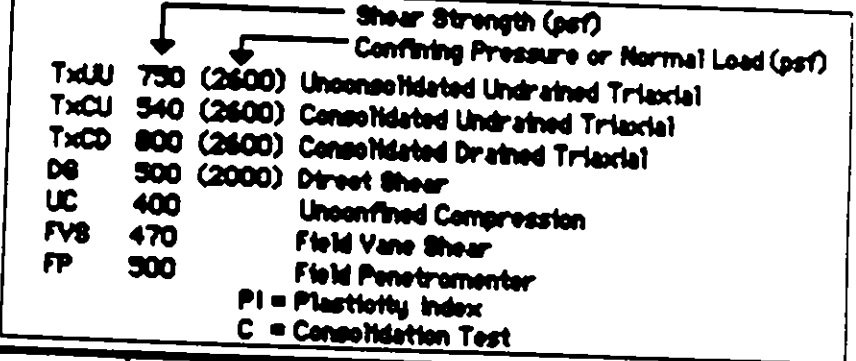
UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISION		SOIL DESCRIPTION			
COARSE - GRAINED SOILS > 50 % coarser than # 200 sieve	GRAVELS over half of coarse fraction larger than No. 4 sieve	Clean gravels with little or no fines	GW	Well Graded Gravels, Gravel - Sand Mixtures	
		Gravels with over 12 % fines	GP	Poorly Graded Gravels, Gravel - Sand Mixtures	
		SANDS	GM	Silty Gravels, Poorly Graded Gravel - Sand - Silt Mixtures	
		SANDS	GC	Clayey Gravels, Poorly Graded Gravel - Sand - Clay Mixtures	
	SANDS over half of coarse fraction finer than No. 4 sieve.	Clean sands with little or no fines	SW	Well Graded Sands, Gravelly Sands	
		Sands with over 12 % fines	SP	Poorly Graded Sands, Gravelly Sands	
		SANDS AND SILTS	SM	Silty Sands, Poorly Graded Sand - Silt	
		SANDS AND SILTS	SC	Clayey Sands, Poorly Graded Sand - Clay Mixtures	
		SILTS AND CLAYS liquid limit less than 50		ML	SILTS, Very Fine Sands, Silty or Clayey Fine Sands
		SILTS AND CLAYS liquid limit greater than 50		CL	Low Plasticity Clays, Sandy or Silty Clays
FINE - GRAINED SOILS > 50 % finer than # 200 sieve	SILTS AND CLAYS liquid limit greater than 50		OL	Low Plasticity Organic Silts and Clays	
	SILTS AND CLAYS liquid limit greater than 50		MH	Micaceous or Diatomaceous Silts, Volcanic Ash, Elastic Silts	
	SILTS AND CLAYS liquid limit greater than 50		CH	High Plasticity Clays - Fat Clays	
	SILTS AND CLAYS liquid limit greater than 50		OH	High Plasticity Organic Silts and Clays	
	HIGHLY ORGANIC SOILS		Pt	Peat and Other Fibrous Organic Soils	

KEY TO SAMPLES



KEY TO TEST DATA



Clayton Environmental Consultants, Inc.

SOIL CLASSIFICATION CHART AND KEY TO TEST DATA

FIGURE

Job No. _____ Appr: _____ Date _____

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 45561-70 Site: Oakland Tribune, The Date: 08/16/88

Well # MW-1 Sampling Team: Cherie D'Andrea and Andrew Seutter

Sampling Method: Bailing & 2" Bladder Pump

Field Conditions: Inside building

Describe Equipment D-Con Before Sampling This Well: Steam Cleaned

Total Depth of Well: 30' 1" feet Time: 10:17 Depth to Water Before Pumping: 15' 11" feet

Height of Water Column:	<u>14</u> feet *	Diameter		Volume	Purge Factor	Volume To Purge
		<u>2-inch</u>	<u>4-inch</u>			
		<u>.16</u>	<u>.65</u>	<u>= 2.24</u> gal *	<u>10</u>	<u>= 22.4</u>

Depth Purging From: -15' feet Time Surging Begins: 11:00

Notes on Initial Discharge: gas odors & v. turbid, light brown

Time	Volume Purged	pH	Conductivity	T	Notes
11:00	10 gal	--	--	19°C	v. turbid
11:50	20 gal	6.80	640	19°C	slightly turbid
12:01	25 gal	6.87	660	19°C	"
12:12	30 gal	6.85	650	19°C	"

CLAYTON ENVIRONMENTAL CONSULTANTS, INC

WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Time Field Parameter Measurement Begins: 12:20 pm

	<u>Rep #1</u>	<u>Rep #2</u>	<u>Rep #3</u>	<u>Rep #4</u>
pH	<u>6.82</u>	<u>6.91</u>	<u>6.97</u>	<u> </u>
Conductivity	<u>650</u>	<u>630</u>	<u>640</u>	<u> </u>
T°C	<u>19.0</u>	<u>19.0</u>	<u>19.0</u>	<u> </u>

Pre-Sample Collection Gallons Purged: 35±

Time Sample Collection Begins: 12:25

Time Sample Collection Ends: 12:30 pm

Total Gallons Purged: 38

Comments: WL. 17.85 @ 4.42 (after pumping)

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 45561-70 Site: Oakland Tribune, The (Garage) Date: 08/16/88

Well # MW-2 Sampling Team: Cherie D'Andrea and Andrew Seutter

Sampling Method: Bailer & Well Wizard Pump

Field Conditions: Inside building

Describe Equipment D-Con Before Sampling This Well: Bailer-steam cleaned, well wizard

Total Depth of Well: 27.5' feet Time: 12:05 Depth to Water Before Pumping: 15.90' feet

Height of Water Column:	<u>11.6</u> feet	* .16	Diameter		Volume	Purge Factor	Volume To Purge	
			<u>2-inch</u>	<u>4-inch</u>				
Depth Purging From:	_____ feet		<u>.65</u>	=	<u>1.86</u> gal	* <u>10</u>	=	<u>18.60</u>

Time Surging Begins: _____

Notes on Initial Discharge: Silty, light brown, gas odors

Time	Volume Purged	pH	Conductivity	T	Notes
<u>2:45</u>	<u>25</u>	<u>7.15</u>	<u>600</u>	<u>19.5°C</u>	<u>Turbid</u>
<u>3:27</u>	_____	_____	_____	_____	_____
<u>3:41</u>	<u>28</u>	<u>7.19</u>	<u>580</u>	<u>19.5°C</u>	<u>Slightly Turbid</u>
<u>3:48</u>	<u>31</u>	<u>7.06</u>	<u>550</u>	<u>19.5°C</u>	<u>"</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CLAYTON ENVIRONMENTAL CONSULTANTS, INC

WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Time Field Parameter Measurement Begins: 3:57

	<u>Rep #1</u>	<u>Rep #2</u>	<u>Rep #3</u>	<u>Rep #4</u>
pH	<u>7.26</u>	<u>7.27</u>	<u>7.27</u>	<u>7.34</u>
Conductivity	<u>530</u>	<u>480</u>	<u>490</u>	<u>480</u>
T°C	<u>19.5</u>	<u>19.5</u>	<u>19.5</u>	<u>19.5</u>
Comments	<u>Almost Clear</u>			<u>Clear</u>

Pre-Sample Collection Gallons Purged: 37

Time Sample Collection Begins: 4:02

Time Sample Collection Ends: 4:06

Total Gallons Purged: 37

Comments: Depth to water after purging is ~4:40 W.L. 16'

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job # 45561-70 Site: Oakland Tribune, The Date: 08/16/88

Well # MW-3 Sampling Team: Cherie D'Andrea and Andrew Seutter

Sampling Method: Bailer & Well Wizard Pump

Field Conditions: _____

Describe Equipment D-Con Before Sampling This Well: Bailer-steam cleaned, Well Wizard-TSP & water pumped thru the system

Total Depth of Well: 25' feet Time: 1:30 Depth to Water Before Pumping: _____ feet

Height of Water Column: _____ feet *

Diameter	
2-inch	4-inch
.16	.65

 gal * _____ = _____

Purge Factor: _____ Volume To Purge: _____

Depth Purging From: _____ feet Time Surging Begins: _____

Notes on Initial Discharge: light brown, foamy, silty, no gas odors, but solvent odors

Time	Volume Purged	pH	Conductivity	T	Notes
2:00	10	--	--	--	turbid
2:30	15	7.13	4690	--	turbid
2:51	18	7.12	4800	18.5	slightly turbid
2:55	20	7.08	4780	18.5	clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC

WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Time Field Parameter Measurement Begins: 2:54

	<u>Rep #1</u>	<u>Rep #2</u>	<u>Rep #3</u>	<u>Rep #4</u>
pH	<u>7.10</u>	<u>7.09</u>	<u>7.24</u>	<u>7.21</u>
Conductivity	<u>4590</u>	<u>4540</u>	<u>4450</u>	<u>4400</u>
T°C	<u>18.0</u>	<u>18.0</u>	<u>18.0</u>	<u>18.0</u>
	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	

Pre-Sample Collection Gallons Purged: 21

Time Sample Collection Begins: 3:07

Time Sample Collection Ends: 3:17

Total Gallons Purged: 22

Comments: End of purging-water level @ 19', 4:42 pm w.l. 15.6'



W. J. HARRIS

220 CHINA BASIN, P.O. BOX 77363 · SAN FRANCISCO, CA 94107 · DAY AND NIGHT: 543-4835

LABORATORY REPORT

H & H LAB I.D. #: 484

DATE REPORTED: 02/22/88
DATE ANALYZED: 02/22/88
DATE RECEIVED: 02/22/88

MANIFEST/LOG. # 87434831

CLIENT: Oakland Tribune Inc. / 409 13th Street, Oakland, CA
Site: 23rd. & Valdez.

SAMPLE DESCRIPTION: Gasoline contaminated water

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	0.10	5.0
Copper	7210	N.D.	0.20	25.0
Cadmium	7130	N.D.	0.10	1.0
Chromium(tot)	7190	N.D.	1.00	560.0
Lead	7420	N.D.	0.20	5.0
Zinc	7950	2.0.	1.00	250.0
pH	150.1	5.70		5.5 - 8.5*
% Solids		2.00		

*Required range for acceptance in our TSD facility.

Peter O. Yimbo
Peter O. Yimbo, Ph.D.
Chemist/Lab. Director





SHIP SERVICE COMPANY

W. J. HARRIS

220 CHINA BASIN, P.O. BOX 77363 · SAN FRANCISCO, CA 94107 · DAY AND NIGHT: 543-4835

LABORATORY REPORT

H & H LAB I.D. #:484B

DATE REPORTED: 02/23/88
DATE ANALYZED: 04/23/88
DATE RECEIVED 04/22/88

MANIFEST/LOG. # 87434765

CLIENT: The Tribune/ Site: 23rd & Valdez, Oakland, CA 94623

SAMPLE DESCRIPTION: Tank bottom sediments and waste oil.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/kg)	DETECT. LIMIT (mg/kg)	TTLIC LIMIT (mg/kg)
Arsenic	7060	N.D.	5.00	500
Copper	7210	N.D.	5.00	2500
Cadmium	7130	N.D.	1.00	100
Chromium(tot)	7190	N.D.	5.00	2500
Lead	7420	N.D.	5.00	1000
Zinc	7950	N.D.	5.00	5000
pH	150.1	6.00		5.5 - 8.5*
PCBs**	8080	N.D.		50

*Required range for acceptance in this TSD facility.

**Determination by PCBs Screening kit, Dexsil Corp. Hamden, CT

Peter O. Yimbo
Peter O. Yimbo, Ph.D.
Chemist/Lab. Director



Clayton Environmental Consultants

DOCUMENT 2
CLAYTON REPORT
SOIL SAMPLING FROM TANK
AND DRAIN EXCAVATION

Interoffice Correspondence

Date: March 8, 1988
To: Cherie D'Andrea
Office: Eng. Pleasanton

Laboratory Client Code No. 036.
From: Hon-Tsing Su *SP2/for*
Office: Pleasanton
Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

<u>Date Sample Received</u>	<u>Clayton Lab Batch No.</u>	<u>Client Sample I.D.</u>	<u>Client's Project No. or Site No.</u>	<u>MATRIX</u>	<u>Analysis/ Method No.</u>
02/24/88	8802123	W/O 9' (East)	43561-70	Soil	Total Hydrocarbons as gasoline and waste oil EPA 8013 Oil & Grease/ EPA 412.1 Purgeable Organics/ EPA 8240

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/pf
Attachment
L2269.REP

Approved by: Mary D. Beck
Mary D. Beck
Quality Assurance Supervisor

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: W/O @ 9' (East) Lab No. 8802123-04
Samples Received: 02/24/88
Samples Analyzed: 03/01/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (pp)
Gasoline (8015)	46	10
Diesel (8015)	NA	--
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

ORGANICS ANALYSIS DATA SHEET

Page 1

VOLATILE COMPOUNDS

CASE NO 8802123
SAS NO _____

LABORATORY CLAYTON LABS
REPORTED 03/04/88 14:05

CONTRACT 0368
CUSTOMER OAK-TRIBUNE

LAB SAMP ID 880212304
LAB QC ID _____

SAMPLE ID M-0-9EAST
TYPE SAMPLE

DATA RELEASE AUTHORIZED BY 

FILE NAME V880212304R
TUNE BF8030288
STANDARD VCC030288
BLANK VMB030288

RECEIVED 02/24/88
EXTRACTED 03/02/88
ANALYZED 03/03/88 09:48
VERIFIED _____

METHOD 8240
FRACTION VOA
INST FINN-1
ANALYST EM-ALS

% MOISTURE _____
(DECANTED) _____
DIL FACTOR 1.000

pH _____
CLEANUP _____
EXTRACT METHOD _____

LEVEL MED
MATRIX SOIL
UNITS MG/KG

SAMPLE: 880212304/0368 56)5MLS 200UL PURGED IN 5MLS
CONDITIONS: 45-3MIN-8/MIN-220
V880212304R

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C010	74-87-3	Chloromethane			
C015	74-83-9	Bromomethane		0.20	U
C020	75-01-4	Vinyl Chloride		0.10	U
C025	75-00-3	Chloroethane		0.10	U
C030	75-09-2	Methylene Chloride		0.20	U
C041	75-69-4	Trichlorofluoromethane		0.30	U
C045	75-35-4	1,1-Dichloroethene		0.10	U
C050	75-35-3	1,1-Dichloroethane		0.10	U
C055	156-60-5	1,2-Dichloroethene (TOTAL)		0.10	U
C060	67-66-3	Chloroform		0.10	U
C065	107-06-2	1,2-Dichloroethane		0.10	U
C115	71-55-6	1,1,1-Trichloroethane		0.20	U
C120	56-23-5	Carbon Tetrachloride		0.10	U
C130	75-27-4	Bromodichloromethane		0.10	U
C140	78-07-5	1,2-Dichloropropane		0.10	U
C145	10061-02-6	Cis-1,3-Dichloropropene		0.20	U
C150	79-01-6	Trichloroethene		0.20	U
C155	124-48-1	Dibromochloromethane		0.50	U
C160	79-00-5	1,1,2-Trichloroethane		0.20	U
C165	71-43-2	Benzene		0.20	U
C170	10061-01-5	Trans-1,3-Dichloropropene		0.27	
C175	110-75-8	2-Chloroethylvinylether		0.20	U
C180	75-25-2	Bromoform		0.50	U
C220	127-18-4	Tetrachloroethene		0.20	U
C225	79-34-5	1,1,2,2-Tetrachloroethane		0.20	U
				0.30	U

ORGANICS ANALYSIS DATA SHEET

page 2

VOLATILE COMPOUNDS

CASE NO 8802123
SAS NO _____LABORATORY CLAYTON LABS
REPORTED 03/04/88 14:05CONTRACT 0368
CUSTOMER OAK-TRIBUNE

<u>CODE</u>	<u>CAS NO</u>	<u>COMPOUND</u>	<u>TYPES</u>	<u>CONC</u>	<u>FLAGS</u>
C230	108-88-3	Toluene			
C235	108-90-7	Chlorobenzene		0.11	B
C240	100-41-4	Ethylbenzene		0.10	U
C250		Total Xylenes		2.10	
C335	541-73-1	1,3-Dichlorobenzene		10.00	
C340	106-46-7	1,4-Dichlorobenzene		0.30	U
C350	95-50-1	1,2-Dichlorobenzene		0.30	U
				0.30	U

Notes and summary data for this report.

B - Compound was detected in the GC blank.

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Form I

... Correspondence

Date: March 8, 1988
To: Cherie D'Andrea
Office: Eng. Pleasanton

Laboratory Client Code No. 036
From: Hon-Tsing Su *Hon-Tsing Su*
Office: Pleasanton
Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

<u>Date Sample RECEIVED</u>	<u>Clayton Lab BATCH NO.</u>	<u>Client Sample I.D.</u>	<u>Client's Project No. or SITE NO.</u>	<u>MATRIX</u>	<u>Analysis/METHOD NO.</u>
02/24/88	8802128	Gas #12' (Fill) Gas #12' (Vent) W/O #10' (Fill) Exc. Pile	45561-70	Soil	Total Hydrocarbons as Gasoline/EPA 8: Purgeable Aromatics/EPA 8020, Purgeable Organics/EPA 8: Oil and Grease/EPA 413.1

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/ewq
Attachment
L2266.REP

Approved by: Mary D. Beck
Mary D. Beck
Quality Assurance Supervisor

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Gas @12' (Fill) Lab No. 8802128-01
Samples Received: 02/24/88
Samples Analyzed: 02/24/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (pp)
Gasoline (8015)	4000	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

EPA METHOD 3015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Gas @12' (Vent) Lab No. 8802128-02
Samples Received: 02/24/88
Samples Analyzed: 03/01/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	ND	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: W/O @10' (Fill) Lab No. 8802128-03
Samples Received: 02/24/88
Samples Analyzed: 02/24/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	100	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Exc. Pile Lab No. 8802128-04
Samples Received: 02/24/88
Samples Analyzed: 02/24/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (pp)
Gasoline (8015)	1100	10
Diesel (8015)	ND	10
Oil (8015)	ND	100
Other Hydrocarbons*	NA	--

NA = Not Analyzed
ND = Not Detected

*Other hydrocarbons are defined as

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: Gas @12' (Fill)
Samples Received: 02/24/88
Samples Analyzed: 02/26/88
Sample Matrix: Soil

Lab No. 8802128-01

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration mg/kg (ppm)</u>
Benzene	
Chlorobenzene	2.3
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	5.6
Xylenes	17
	67

ND = Not Detected

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: Gas @12' (Vent)
Samples Received: 02/24/88
Samples Analyzed: 02/26/88
Sample Matrix: Soil

Lab No. 8802128-02

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
Benzene	0.1
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	0.2
Xylenes	ND
	0.7

ND = Not Detected

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

DETECTION LIMITS

DETECTION LIMITS = Detection Limit Factor X Concentration

Sample Preparation: 10 g sample dispersed into 10 mL methanol

Sample Analysis: 50 uL methanol extract purged in 5 mL water

<u>Compound</u>	<u>Concentration</u> <u>ug/kg (ppm)</u>
Benzene	0.04
Chlorobenzene	0.03
1,2-Dichlorobenzene	0.03
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.03
Ethylbenzene	0.03
Toluene	0.03
Xylenes	0.02
	0.04

VOLATILE COMPOUNDS

CASE NO 8802128
SAS NO _____

LABORATORY CLAYTON LABS
REPORTED 03/04/88 14:16

CONTRACT 0368
CUSTOMER OAK-TRIBUNE

LAB SAMP ID 880212803
LAB QC ID _____

SAMPLE ID W-0-10FILL
TYPE SAMPLE

DATA RELEASE AUTHORIZED BY _____

FILE NAME V880212803R
TUNE 8FB030288
STANDARD VCC030288
BLANK VMB030288

RECEIVED 02/24/88
EXTRACTED _____
ANALYZED 03/03/88 08:59
VERIFIED _____

METHOD 8240
FRACTION VOA
INST FINN-1
ANALYST EW-ALS

% MOISTURE _____
(DECANTED) _____
DIL FACTOR 1.000

pH _____
CLEANUP _____
EXTRACT METHOD _____

LEVEL MED
MATRIX SOIL
UNITS MG/KG

SAMPLE: 880212803/0386 56)SML 200UL PURGED IN SMLS
CONDITIONS: 45-3MIN-8/MIN-220
V880212803R

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C010	74-87-3	Chloromethane			
C015	74-83-9	Bromomethane		0.20	U
C020	75-01-4	Vinyl Chloride		0.10	U
C025	75-00-3	Chloroethane		0.10	U
C030	75-09-2	Methylene Chloride		0.20	U
C041	75-69-4	Trichlorofluoroethane		0.30	U
C045	75-35-4	1,1-Dichloroethene		0.10	U
C050	75-35-3	1,1-Dichloroethane		0.10	U
C055	156-60-5	1,2-Dichloroethene (TOTAL)		0.10	U
C060	67-66-3	Chloroform		0.10	U
C065	107-06-2	1,2-Dichloroethane		0.10	U
C115	71-55-6	1,1,1-Trichloroethane		0.20	U
C120	56-23-5	Carbon Tetrachloride		0.10	U
C130	75-27-4	Bromodichloroethane		0.10	U
C140	78-87-5	1,2-Dichloropropane		0.10	U
C145	10061-82-6	Cis-1,3-Dichloropropene		0.20	U
C150	79-01-6	Trichloroethene		0.20	U
C155	124-48-1	Dibromochloromethane		0.50	U
C160	79-00-5	1,1,2-Trichloroethane		0.20	U
C165	71-43-2	Benzene		0.20	U
C170	10061-01-5	Trans-1,3-Dichloropropene		0.10	U
C175	110-75-8	2-Chloroethylvinylether		0.20	U
C180	75-25-2	Bromoform		0.50	U
C220	127-18-4	Tetrachloroethene		0.20	U
C225	79-34-5	1,1,2,2-Tetrachloroethane		0.20	U
				0.30	U

ORGANICS ANALYSIS DATA SHEET

Page 2

VOLATILE COMPOUNDS

CASE NO 8802128
 SAS NO _____

LABORATORY CLAYTON LABS
 REPORTED 03/04/88 14:16

CONTRACT 0368
 CUSTOMER OAK-TRIBUNE

CODE	CAS NO	COMPOUND	TYPES	CONC	FLAGS
C230	108-88-3	Toluene		0.10	BU
C235	108-90-7	Chlorobenzene		0.10	U
C240	100-41-4	Ethylbenzene		0.30	U
C250		Total Xylenes		0.20	U
C335	541-73-1	1,3-Dichlorobenzene		0.30	U
C340	106-46-7	1,4-Dichlorobenzene		0.30	U
C350	95-50-1	1,2-Dichlorobenzene		0.30	U

Notes and summary data for this report.
 B - Compound was detected in the QC blank.
 U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Form I

Interoffice Correspondence

Date: March 18, 1988
To: Cherie D'Andrea
Office: Eng. Pleasanton

Laboratory Client Code No. 036E
From: Hon-Tsing Su *HTS*
Office: Pleasanton
Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

<u>Date Sample Received</u>	<u>Clayton Lab Batch No.</u>	<u>Client Sample I.D.</u>	<u>Client's Project No. or Site No.</u>	<u>Matrix</u>	<u>Analysis/ Method No.</u>
02/29/88	0002150	West 10-1/2' East 16'	45561-70	Soil	Total Hydrocarbons as gasoline and Waste Oil EPA 8015 BTEX/EPA 802 Oil & Grease EPA 413.1

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/pf
Attachment
L2296.REP

Approved by:

Mary D. Beck
Mary D. Beck
Quality Assurance Manager

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: West 18-1/2' Lab No. 8802150-01
Samples Received: 02/29/88
Samples Analyzed: 03/04/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	ND	10
Diesel (8015)	NA	--
Oil (8015)	ND	50
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: East 18-1/2' Lab No. 8802150-02
Samples Received: 02/29/88
Samples Analyzed: 03/04/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (pp)
Gasoline (8015)	ND**	10
Diesel (8015)	NA	--
Oil (8015)	ND	50
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

** = Gasoline present in sample at level below reporting limit (~ 8 ppm)

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D. West 18-1/2'
Samples Received: 02/29/88
Samples Analyzed: 03/04/88
Sample Matrix: Soil

Lab No. 8802150-01

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	0.04
	ND

ND = Not Detected

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: East 18-1/2'
Samples Received: 02/29/88
Samples Analyzed: 03/04/88
Sample Matrix: Soil

Lab No. 8802150-02

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration</u> <u>ug/kg (ppm)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	0.1
Xylenes	0.06
	0.2

ND = Not Detected

**EPA METHOD 8020
PURGEABLE AROMATICS**

DETECTION LIMITS

DETECTION LIMITS = Detection Limit Factor X Concentration

Sample Preparation: 10 g sample dispersed into 10 mL methanol

Sample Analysis: 50 uL methanol extract purged in 5 mL water

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
Benzene	0.04
Chlorobenzene	0.03
1,2-Dichlorobenzene	0.05
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.05
Ethylbenzene	0.03
Toluene	0.02
Xylenes	0.04

CHAIN OF CUSTODY

8802150 CLAYTON ENVIRONMENTAL CONSULTANTS

1 of 1

SAMPLERS: (Signature)
Cherie D'Andrea
 PHONE: 426-2629
 ANALYTICAL LABORATORY

CLIENT INFORMATION
 CONTACT NAME: Cherie D'Andrea
 COMPANY NAME: The Tribune
 PHONE NO.: 645-2350
 P.O./JOB#: 45561-70
 COMPANY ADDRESS: No Calif
Engineering

ATTN: Hon SU
 PHONE: _____
 SHIPMENT SERVICE: _____
 AIRBILL #: _____

BILLING ADDRESS: No. Calif
Engineering

Relinquished by: (Signature) <u>Cherie D'Andrea</u>	Received by: (Signature) <u>Molly Hayes</u>	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	<u>2/29/88</u>	<u>11:45</u>

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc., P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 8802150 LAB CLIENT CODE 0368

Dash #	Sample I.D.	Date Sampled	Matrix	Quan. (Dup.)	Cont. Size	Pres.	Analysis Requested	Cond. Rec'd
-01	West 18 1/2'	2/24/88	Soil		3C		TAM (200 cc) Paw ZTC	✓
-02	East 18 1/2'	↓	↓		3C		TAM (200 cc) Paw ZTC	↓
-03	East 18'	↓	↓		3C		HOLD	✓
<u>Two week turnaround time at</u>								
<u>two week price</u>								
<u>2/29/88 OK by Hon</u>								

BC=BRASS CORE FIL=FILTER MN=WIDE MOUTH CONDITIONS
 SSC=STAINLESS STEEL CORE CAS=CASSETTE OVN=ORGANIC VAPOR EDSP=HEADSPACE
 CUT=COPPER TUBE CET=CHARCOAL TUBE MONITOR A/B=AIR BUBBLE
 SQ=WIDE MOUTH SQUAT JAR SCT=SILICA GEL TUBE

Reference Correspondence

Date: March 31, 1988
To: Cherie D'Andrea
Office: Eng. Pleasanton

Laboratory Client Code No. 036
From: Hon-Tsing Su *HTS*
Office: Pleasanton
Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

<u>Date Sample Received</u>	<u>Clayton Lab Batch No.</u>	<u>Client Sample I.D.</u>	<u>Client's Project No. or Site No.</u>	<u>Matrix</u>	<u>Analysis/ Method No.</u>
03/01/88	880303	Drain Area 15' Drain Area 13'	45561-70	Soil	Oil & Grease/ EPA 413.1 Total Hydrocarbons/ EPA 8015

A copy of the Chain of Custody is attached for your information. If you have any questions regarding this report, please do not hesitate to call.

HTS/ewq
Attachment
L2302.REP

Approved by: Mary D. Beck
Mary D. Beck
Quality Assurance Supervisor

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Drain Area 15' Lab No. 880303-01
Samples Received: 03/01/88
Samples Analyzed: 03/23/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (ppm)
Gasoline (8015)	5500	100
Diesel (8015)	ND	100
Oil (8015)1	1800	700
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as

EPA METHOD 8015 - TOTAL PETROLEUM HYDROCARBONS BY MICRO EXTRACTION

Sample I.D.: Drain Area 13' Lab No. 880303-02
Samples Received: 03/01/88
Samples Analyzed: 03/23/88
Matrix: Soil

Total Hydrocarbons as	Concentration Milligrams/kg (ppm)	Detection Limits (pp)
Gasoline (8015)	440	10
Diesel (8015)	ND	10
Oil (8015)	510	70
Other Hydrocarbons*	NA	--

ND = Not Detected
NA = Not Analyzed

*Other hydrocarbons are defined as


Clayton Environmental Consultants

DOCUMENT 3
CLAYTON REPORT
SOIL AND GROUNDWATER SAMPLING
FROM MW-1, MW-2, AND MW-3

Office Correspondence

Laboratory Client Code No. 00

Date: August 22, 1988

From: Tony Blake 

To: Cherie D'Andrea

Office: Pleasanton

Office: Eng. Pleasanton

Subject: Oakland Tribune

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

<u>Date Sample Received</u>	<u>Clayton Lab Batch No.</u>	<u>Client Sample I.D.</u>	<u>Client's Project No or Site No.</u>	<u>Matrix</u>	<u>Analysis / Method No.</u>
08/11/88	880878	MW-1 6 1/2'	45581-70	Soil	Purgeable
		MW-1 11 1/2'			Aromatic HCs
		MW-2 6 1/2'			Oil and Grease
		MW-2 11 1/2'			EPA 503E
		MW-3 11 1/2'			
		MW-3 16'			
		MW-2 15'			
		SP-NW			
		SP-SE			
		SP-Central			

A copy of the Chain of Custody form is attached for your information.

If you have any questions regarding this information, please do not hesitate to call.

TB/ewg
Attachment
L3335.REP

Approved by: Mary D. Beck
Mary D. Beck
Quality Assurance Supervisor

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-1 6 1/2' Lab No. 880878-01
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil
Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
<u>Benzene</u>	<u>ND</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>ND</u>
<u>Xylenes</u>	<u>ND</u>

ND = Not Detected above Limit of Detection.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-1 11 1/2' Lab No. 880878-02
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil
Detection Limit Factor = :

<u>Compound</u>	<u>Concentration</u> <u>ng/kg (ppm)</u>
<u>Benzene</u>	<u>ND</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>ND</u>
<u>Xylenes</u>	<u>ND</u>

ND = Not Detected above Limit of Detection.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-2 6 1/2'
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil

Lab No. 880878-03

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration mg/kg (ppm)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	ND

ND = Not Detected above Limit of Detection.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-2 11 1/2'
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil

Lab No. 880878-04

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration mg/kg (ppm)</u>
<u>Benzene</u>	<u>ND</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>ND</u>
<u>Xylenes</u>	<u>ND</u>

ND = Not Detected above Limit of Detection.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-3 11 1/2
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil

Lab No. 880878-05

Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
<u>Benzene</u>	<u>0.21</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>3.3</u>
<u>Xylenes</u>	<u>0.20</u>
	<u>9.6</u>

ND = Not Detected above Limit of Detection.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-3 16'
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil

Lab No. 880878-06

Detection Limit Factor = :

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (PDB)</u>
Benzene	
Chlorobenzene	0.07
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	0.40
	9.5

ND = Not Detected above Limit of Detection.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: MW-2 15' Lab No. 880878-07
Samples Received: 08/11/88
Samples Analyzed: 08/15/88
Sample Matrix: Soil
Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration mg/kg (PBA)</u>
<u>Benzene</u>	<u>ND</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>ND</u>
<u>Xylenes</u>	<u>ND</u>

ND = Not Detected above Limit of Detection.

EXTRACTION LAB ANALYSIS

Method No. 503E

Lab Batch No. 880878
Samples Received: 08/11/88
Date Analyzed: 08/15/88
Sample Matrix: Soil

<u>Batch Sub. No.</u>	<u>Sample Identification</u>	<u>Oil and Grease Concentration in mg/kg(p)</u>
<u>-01</u>	<u>MW-1 6 1/2'</u>	<u>480</u>
<u>-02</u>	<u>MW-1 11 1/2'</u>	<u>210</u>
<u>-03</u>	<u>MW-2 6 1/2'</u>	<u>45</u>
<u>-04</u>	<u>MW-2 11 1/2'</u>	<u>330</u>
<u>-05</u>	<u>MW-3 11 1/2'</u>	<u>1,600</u>
<u>-06</u>	<u>MW-3 16'</u>	<u>3,600</u>
<u>-07</u>	<u>MW-2 15'</u>	<u>350</u>
<u>-08</u>	<u>SP-NW</u>	<u>750</u>
<u>-09</u>	<u>SP-SE</u>	<u>750</u>
<u>-10</u>	<u>SP-Central</u>	<u>970</u>
<u>-MB</u>	<u>Method Blank</u>	<u>10</u>

Detection Limits = 10 mg/kg (ppm)

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: SP-SE Lab No. 880878-09
Samples Received: 08/11/88
Samples Analyzed: 08/16/88
Sample Matrix: Soil
Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration mg/kg (PPM)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	ND

ND = Not Detected above Limit of Detection.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: SP-NW Lab No. 880878-08
Samples Received: 08/11/88
Samples Analyzed: 08/16/88
Sample Matrix: Soil
Detection Limit Factor = 1

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
<u>Benzene</u>	<u>ND</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>ND</u>
<u>Xylenes</u>	<u>ND</u>

ND = Not Detected above Limit of Detection.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: SP-Central Lab No. 880878-10
Samples Received: 08/11/88
Samples Analyzed: 08/16/88
Sample Matrix: Soil
Detection Limit Factor = 0

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	ND

ND = Not Detected above Limit of Detection.

EPA METHOD 8020
PURGEABLE AROMATICS

Sample I.D.: _____
Samples Received: Method Blank Lab No. 880878-MB
Samples Analyzed: 08/15/88
Sample Matrix: Soil
Detection Limit Factor = :

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	ND

Note: Sample results have been corrected for Method Blank values

ND = Not Detected above Limit of Detection.

EPA METHOD 8020
PURGEABLE AROMATICS

DETECTION LIMITS

DETECTION LIMITS = Detection Limit Factor X Concentration

Sample Preparation: 10 g sample dispersed into 10 mL methanol

Sample Analysis: 50 uL methanol extract purged in 5 mL water

<u>Compound</u>	<u>Concentration</u> <u>mg/kg (ppm)</u>
Benzene	0.04
Chlorobenzene	0.03
1,2-Dichlorobenzene	0.05
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.03
Ethylbenzene	0.03
Toluene	0.02
Xylenes	0.04

CLAYTON ENVIRONMENTAL CONSULTANTS

SAMPLERS: (Signature) [Signature]

PHONE: 415/476-6629

ANALYTICAL LABORATORY [Signature]

ATTN: [Signature]

PHONE: _____

SHIPMENT SERVICE: _____

AIRBILL #: _____

CLIENT INFORMATION

CONTACT NAME: Cheri E. Gannon

COMPANY NAME: The Trustees

PHONE NO.: _____

P.O./JOB#: 43561-75

COMPANY ADDRESS: 225 S. ...
Guilford

BILLING ADDRESS: [Signature]

Relinquished by: (Signature) [Signature]

Relinquished by: (Signature) _____

Received by: (Signature) [Signature]

Date 8/11/88 Time 8:45

Received by: (Signature) _____

Date _____ Time _____

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc., P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 880878

LAB CLIENT CODE 0368

Dash #	Sample I.D.	Date Sampled	Matrix	Quas. (Dup.)	Cont. Size	Pres. Vol.	Analysis Requested	Cond. Reg.
-01	W-2 @ 15'	8/10/88	Soil	✓	SC	14	8020 & 503 E	✓
-02	W-2 @ 15'						8020 & 503 E	
-03	W-2 @ 15'						8020 & 503 E	
-04	W-2 @ 15'						8020 & 503 E	
-11	W-2 @ 15'						8020 & 503 E	
-05	W-2 @ 15'						8020 & 503 E	
-06	W-2 @ 15'						HOLD	
-12	W-2 @ 21'						8020 & 503 E	
-13	W-2 @ 26'						8020 & 503 E	
-07	W-2 @ 15'						HOLD	
-08	SP-4W						8020 & 503 E	
-09	2 P-5E						8020 & 503 E	
-10	SP-CENTRAL						8020 & 503 E	✓

SC=BRASS CORE
SSC=STAINLESS STEEL CORE
CUT=COPPER TUBE
SQ=WIDE MOUTH SQUAT JAR

FIL=FILTER
CAS=CASSETTE
CET=CHARCOAL TUBE
SGT=SILICA GEL TUBE

WM=WIDE MOUTH
OVN=ORGANIC VAPOR
MONITOR

CONDITIONS
EDSP=HEADSPACE
A/B=AIR BUBBLE

8/11/88
225/sample (5 day P.A.T.)

Microphone Correspondence

Date: September 8, 1988
To: Cherie D'Andrea
Office: Eng. Pleasanton

Laboratory Client Code No. 10
From: Tony Blake *TB*
Office: Pleasanton
Subject: THE TRIBUNE

Clayton Environmental Consultants, Inc.

Attached are the results of the following samples. The sample and analysis information is as follows:

<u>Date Sample Received</u>	<u>Clayton Lab Batch No</u>	<u>Client Sample I.D.</u>	<u>Client's Project No or Site No</u>	<u>Matrix</u>	<u>Analysis Method</u>
08/17/88	8808129	NW-1 NW-2 NW-3 Trip-Blank	45561-70	Water	STEX/EPA 5

A copy of the Chain of Custody form is attached for your information.

If you have any questions regarding this information, please do not hesitate to call.

TB/pf
Attachment
L3385.REP

Approved by: *Mary D. Beck*
Mary D. Beck
Quality Assurance Supervisor

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No

EPA METHOD 602
PURGEABLE AROMATICS

Sample I.D.: MW-1
Samples Received: 08/17/88
Samples Analyzed: 08/29/88
Sample Matrix: Water

Lab No. 8808129-01

Detection Limit Factor

<u>Compound</u>	<u>Concentration</u> <u>µg/L (ppb)</u>
Benzene	1000
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	400
Xylenes	300
	600

ND = Not Detected above Limit of Detection

EPA METHOD 602
PURGEABLE AROMATICS

Sample I.D.: MW-2
Samples Received: 08/17/88
Samples Analyzed: 08/30/88
Sample Matrix: Water

Lab No. 8808129-02

Detection Limit Factor =

<u>Compound</u>	<u>Concentration</u> <u>µg/L (ppb)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	ND

ND = Not Detected above Limit of Detection

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No

EPA METHOD 602
PURGEABLE AROMATICS

Sample I.D.: MW-3
Samples Received: 08/17/88
Samples Analyzed: 08/29/88
Sample Matrix: Water

Lab No. 8808129-03

Detection Limit Factor

<u>Compound</u>	<u>Concentration</u> <u>µg/L (ppb)</u>
<u>Benzene</u>	<u>52</u>
<u>Chlorobenzene</u>	<u>8.5</u>
<u>1,2-Dichlorobenzene</u>	<u>20</u>
<u>1,3-Dichlorobenzene</u>	<u>2.8</u>
<u>1,4-Dichlorobenzene</u>	<u>31</u>
<u>Ethylbenzene</u>	<u>4.9</u>
<u>Toluene</u>	<u>1.0</u>
<u>Xylenes</u>	<u>17</u>

ND = Not Detected above Limit of Detection

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No

**EPA METHOD 602
PURGEABLE AROMATICS**

Sample I.D.: _____
Samples Received: Method Blank
Samples Analyzed: 08/29/88
Sample Matrix: Water

Lab No. 8808129-MB

Detection Limit Factor

<u>Compound</u>	<u>Concentration</u> <u>µg/L (ppb)</u>
Benzene	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Ethylbenzene	ND
Toluene	ND
Xylenes	ND

ND = Not Detected above Limit of Detection

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Laboratory Client Code No.

EPA METHOD 602
PURGEABLE AROMATICS

Sample I.D.: Trip Blank
Samples Received: 08/17/88
Samples Analyzed: 08/29/88
Sample Matrix: Water

Lab No. 8808129-04

Detection Limit Factor =

<u>Compound</u>	<u>Concentration</u> <u>µg/L (ppb)</u>
<u>Benzene</u>	<u>ND</u>
<u>Chlorobenzene</u>	<u>ND</u>
<u>1,2-Dichlorobenzene</u>	<u>ND</u>
<u>1,3-Dichlorobenzene</u>	<u>ND</u>
<u>1,4-Dichlorobenzene</u>	<u>ND</u>
<u>Ethylbenzene</u>	<u>ND</u>
<u>Toluene</u>	<u>ND</u>
<u>Xylenes</u>	<u>ND</u>

ND - Not Detected above Limit of Detection

EPA METHOD 602
PURGEABLE AROMATICS

DETECTION LIMITS

DETECTION LIMITS = Detection Limit Factor X Concentration

5 mL Sample

<u>Compound</u>	<u>Concentration</u> <u>µg/L (ppb)</u>
Benzene	0.4
Chlorobenzene	0.3
1,2-Dichlorobenzene	0.5
1,3-Dichlorobenzene	0.3
1,4-Dichlorobenzene	0.5
Ethylbenzene	0.3
Toluene	0.3
Xylenes	0.4

ND = Not Detected above Limit of Detection

CHAIN OF CUSTODY
CLAYTON ENVIRONMENTAL CONSULTANTS

1 of

SAMPLERS: (Signature)
Chris C. D'Andrea
PHONE: 415 426-2629
ANALYTICAL LABORATORY
Clayton

CLIENT INFORMATION
CONTACT NAME: Chris C. D'Andrea
COMPANY NAME: The Testline
PHONE NO.: 426 2629
P.O./JOB#: 45561-70
COMPANY ADDRESS: 20310 6 Ave
Oakland CA
BILLING ADDRESS: EN6

ATTN: Lab
PHONE: _____
SHIPMENT SERVICE: _____
AIRBILL #: _____

Relinquished by: (Signature) <u>Chris C. D'Andrea</u>	Received by: (Signature) <u>Jenny Salvo</u>	Date <u>8-17-88</u>
Relinquished by: (Signature)	Received by: (Signature)	Date

*Analysis laboratory should complete "Sample Condition Upon Receipt", section below, sign and return top copy to Clayton Environmental Consultants, Inc., P.O. Box 9019, Pleasanton, California 94566

CLAYTON LAB BATCH # 8808129 LAB CLIENT CODE # 0368

Dash #	Sample I.D.	Date Sampled	Matrix	Quan. (Dup.)	Cont. Size	Pres. # /Vol.	Analysis Requested	Cor Rec
-01	MW-1	8/16/88	Water		2x40ml		BTEX	
-05	MW-1				1 liter		HOLD	
-02	MW-2				2x40ml		BTEX	
-06	MW-2				1 liter		HOLD	
-03	MW-3				2x40ml		BTEX	
-07	MW-3				1 liter		HOLD	
-04	Triplask	"	"		1x40ml		BTEX	

BC=BRASS CORE
SSC=STAINLESS STEEL CORE
CUT-COPPER TUBE
SO-WIDE MOUTH SOCA? JAR
FIL-FILTER
CAS-CASSETTE
CCT-CCHARCOAL TUBE
SGT-SILICA GEL TUBE
NS-WIDE MOUTH
OVS-ORGANIC VAPOR
MONITOR
CONDITIONS
EDSP=ERADSPAC
A/B-AIR BUBBL

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

EMERGENCY YES NO
 HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
 I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25186.7 THE HEALTH AND SAFETY CODE.

REPORT DATE: 0 7 1 1 2 8 1 8 v
 CASE #

REPORTED BY: NAME OF INDIVIDUAL FILING REPORT: Cherie C. D'Andrea
 PHONE: (415) 426-2629
 SIGNATURE: *Cherie C. D'Andrea*
 REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER
 COMPANY OR AGENCY NAME: Clayton Environmental Consultants, Inc.
 ADDRESS: 1252 Quarry Lane

RESPONSIBLE PARTY: NAME: The Tribune
 STREET: 409-13th Street
 CITY: Pleasanton STATE: CA ZIP: 9456
 CONTACT PERSON: Mr. Lee Clark
 PHONE: (415) 645-2380

SITE LOCATION: FACILITY NAME (IF APPLICABLE): Old Oakland Tribune Garage
 ADDRESS: N.E. Corner of Valdez and 13th Street
 CITY: Oakland STATE: CA ZIP: 94612
 OPERATOR: Mr. Lee Clark
 TYPE OF AREA: COMMERCIAL INDUSTRIAL RURAL RESIDENTIAL OTHER
 TYPE OF BUSINESS: FARM OTHER: GARAGE

IMPLEMENTING AGENCIES: LOCAL AGENCY: Alameda County Health Agency
 REGIONAL BOARD: RHQCB Oakland
 CONTACT PERSON: Mr. Storm Goranson
 PHONE: (415) 271-4321
 None Contacted
 PHONE: (415) 464-1255

SUBSTANCES INVOLVED: (1) Waste Oil
 QUANTITY LOST (GALLONS): UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: 0 7 1 1 2 8 1 8 v
 HOW DISCOVERED: INVENTORY CONTROL SUBSURFACE MONITORING TANK TEST TANK REMOVAL MISMANAGEMENT CONDITIONS
 DATE DISCHARGE BEGAN: UNKNOWN
 METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):
 REMOVE CONTENTS REPLACE TANK CLOSE TANK
 REPAIR TANK REPAIR PIPING CHANGE PROCEDURE
 OTHER
 HAS DISCHARGE BEEN STOPPED? YES NO IF YES, DATE: 0 7 1 1 2 8 1 8 v

SOURCE/CAUSE: SOURCE OF DISCHARGE: TANK LEAK PIPING LEAK OTHER
 TANKS ONLY: CAPACITY: 1,000 GAL
 MATERIAL: FIBERGLASS STEEL OTHER
 CAUSE(S): OVERFILL RUPTURE/FAILURE CORROSION UNKNOWN SPILL OTHER

CASE TYPE: CHECK ONE ONLY
 UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY
 SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) CLEANUP IN PROGRESS SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)
 NO ACTION TAKEN POST-CLEANUP MONITORING IN PROGRESS NO FUNDS AVAILABLE TO PROCEED EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
 CAP SITE (C0) EXCAVATE & DISPOSE (E0) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (BT)
 CONTAINMENT BARRIER (CB) EXCAVATE & TREAT (ET) PUMP & TREAT GROUNDWATER (PT) REPLACE SUPPLY (RS)
 TREATMENT AT SOURCE (TA) NO ACTION REQUIRED (NA) OTHER (OT) Install wells

COMMENTS: Three groundwater wells & additional borings are proposed to define the lateral & vertical extent of contamination.

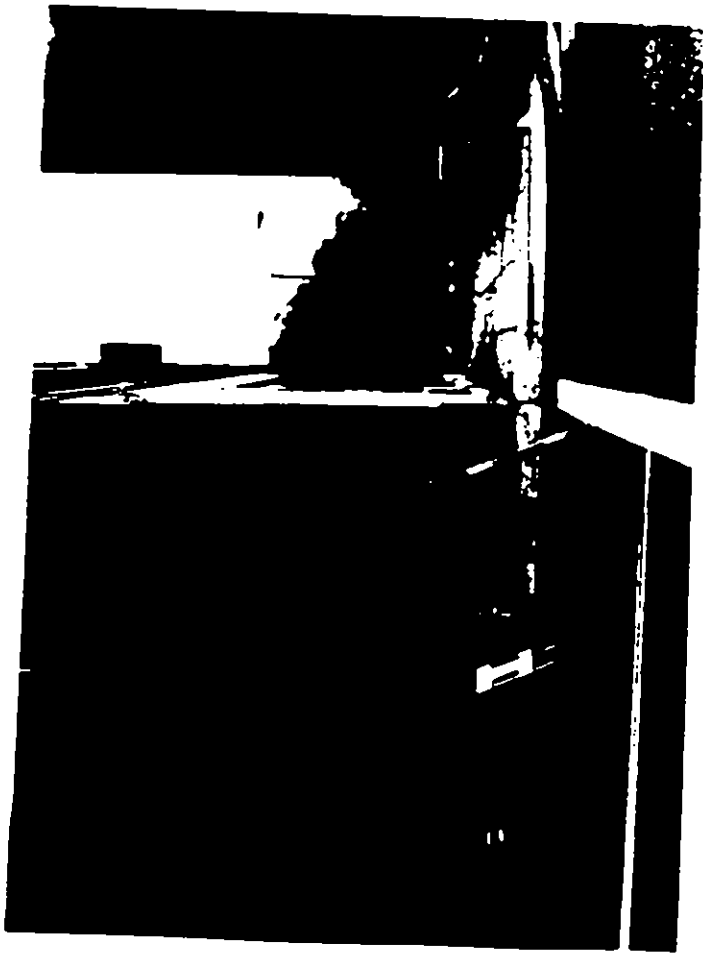


Photo 1: Site prior to excavation

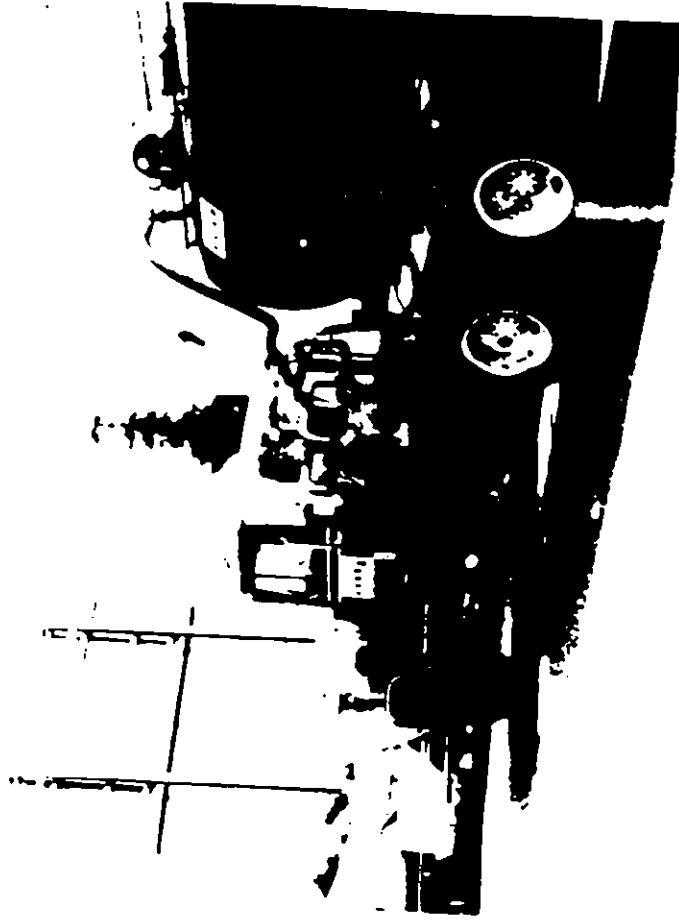


Photo 2: Vacuum Truck on site



Photo 3: Vacuum truck with the suction arm





Photo 5: First encounter of soil around waste oil tank fill pipe



Photo 7: View of excavation from the side



Photo 6: Excavation during soil removal



Photo 8: View of excavation from the side



Photo 10: Pulling the gas tank out of the hole

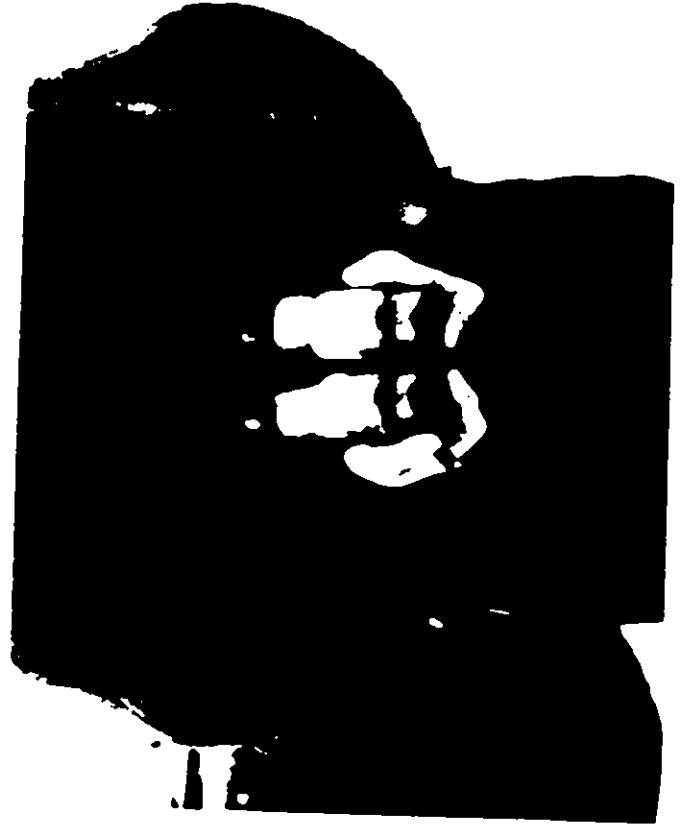


Photo 9: View of broken sewer line





Photo 13: Tank excavation barricaded for safety



Photo 14: Soil pile from tank excavation



Photo 15: Tank excavation restricted





Photo 18: View of the bottom of the sump

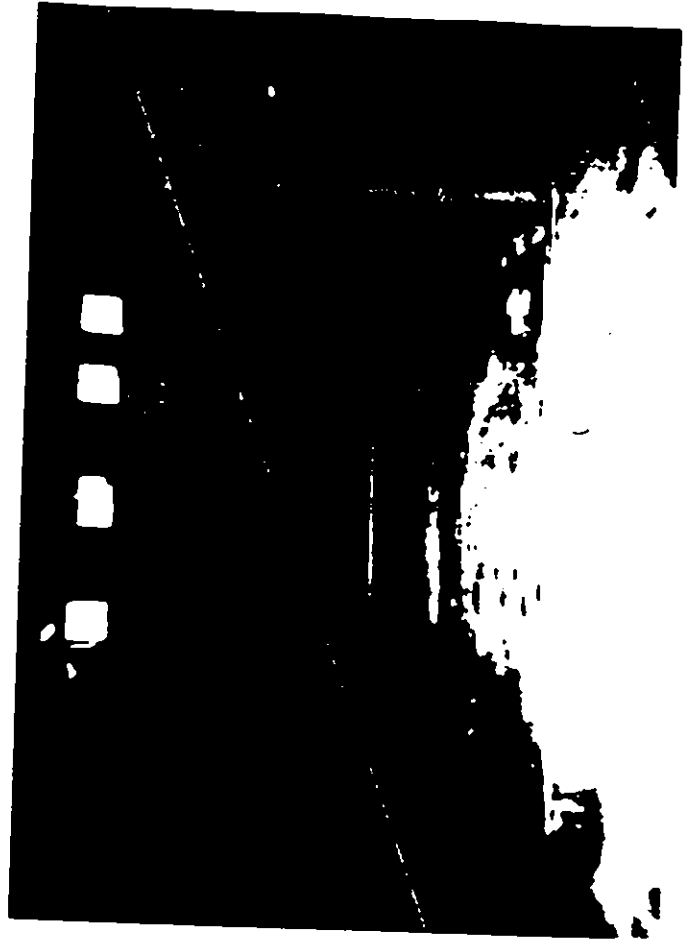


Photo 17: View of the top of the sump

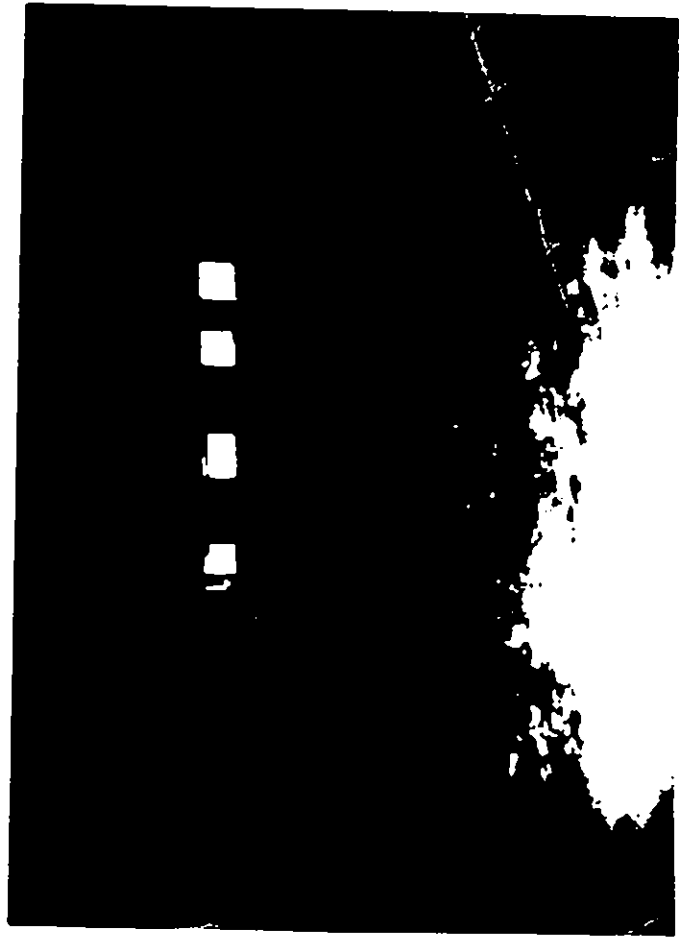


Photo 19: View of the top of the sump

