



# DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

6 HUTTON CENTRE DRIVE, SUITE 700, SANTA ANA, CALIFORNIA 92707 (714) 433-2000  
FAX (714) 433-2364 FAX (714) 433-2365

January 11, 1991

Carter Hawley Hale  
444 South Flower Street  
Los Angeles, CA 90017-2900

Attention: Mr. Howard Wallach, Vice President  
Construction Management

Subject: Former Emporium Capwells Chevron  
1911 Telegraph Avenue  
Oakland, California 94612

Dear Howard:

We received and reviewed a letter from Alameda County Health Care Services Agency (ACHCSA), dated December 13, 1990, regarding former Capwells Chevron, 1911 Telegraph Avenue, in Oakland, California (site). The letter states that there are some data gaps in ACHCSA files on the specifics of what remedial measures had been implemented at the site.

We reviewed a Dames & Moore report entitled "Toxics and Underground Tank Removals, Post Construction Report, Emporium Capwell, Oakland, California" dated March 21, 1988, a copy of which is attached. Review of the Dames & Moore report indicates that the site was remediated in concurrence and with approval of the ACHCSA. The attached report summarizes the investigations and remedial activities.

We suggest that you submit a copy of this report to the ACHCSA so that they can have all the pertinent facts.

Please do not hesitate to call use if there are any questions regarding this letter.

Sincerely,

DAMES & MOORE

E. Essi Esmaili, Ph.D.

EEE:mdm

A:128V-11.L

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CARTER HAWLEY HALE  
TRANCHE I - Toxics and Underground Tank Removals  
Post Construction Report  
Emporium Capwell  
Oakland, California

Job Number 12606-016-038  
March 21, 1988

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# Dames & Moore





March 21, 1988

Mr. Howard Wallach  
Carter Hawley Hale  
550 S. Flower Street  
Los Angeles, CA 90071

Subject: TRANCHE - I Toxics and Underground Tank Removal  
Post-Construction Report:

Emporium Capwell, Oakland, California  
Job No. 12606-016-38

Dear Mr. Wallach:

This report describes the underground tank removals, final closures, and site remediation that has been completed at the subject properties. Dames & Moore's scope of work corresponded with Appendix B of our contract with Carter Hawley Hale, dated October 23, 1987.

During our Phase I investigation, two underground tanks were identified in vaults in a sub-basement of the Emporium Capwell Department Store in Oakland. Following that investigation, the tanks were washed, and filled with cement slurry under permission of the Oakland Fire Department for abandonment-in-place. This abandonment was conducted by another consultant who was not connected with Dames & Moore. The location and disposition of these tanks offered no other practical alternative, and abandonment-in-place by these methods is the standard procedure in such instances.

Some contamination of the sand bed around the tanks inside the vaults had been found; however, it was not judged to be a threat to groundwater, owing to containment inside the vaults, and its relatively small volume (approximately 16 cy). On December 18, 1987, we submitted a proposal to Alameda County, Division of Environmental Health, requesting permission to cap the vault enclosures with concrete, and abandon the sands in place. Permission to do so was received on February 22, 1988, from Alameda County, Environmental Health (Attachment I). That work has been accomplished.

During our Phase I investigation, four underground storage tanks were identified at the Chevron Station at 1911 Telegraph Avenue in Oakland, across the street from the Emporium Capwell Department Store. Carter Hawley Hale decided to close down operation of this station, and remove the four tanks. On January 29, the four tanks were excavated, washed and removed under the supervision of both the Oakland Fire Department, and Alameda County, Environmental Health Division (Attachment II and III). As the tanks were removed, they were observed to be in excellent condition; however, laboratory analysis of soil samples taken within the excavation indicated one area to be contaminated with hydrocarbons, and benzene, toluene, and xylene (BTX), in concentrations sufficient to identify it as a Hazardous Waste (Attachment III). Following receipt of laboratory analysis, further excavation was undertaken and approximately 20 to 30 cubic yards of contaminated soil were excavated and stockpiled on visqueen, and covered with visqueen, pending removal to a Class I Hazardous Waste landfill. Subsequent to further excavation, a second set of soil samples was obtained within the area found to be contaminated. Analysis of these samples indicated trace to minor levels of gasoline (30 ppm or less), and trace amounts of BTX and lead (Attachment IV). Since contamination was confined to the south area of two of the tanks, and the adjacent wall of the excavation, it was judged that the source of contamination had been occasional spillage, and perhaps occasional overflow of the tanks during operation. Following excavation of the contaminated zone, and confirmatory soil sampling and analyses, it was our judgment that the contaminated soil had been removed and that no further remediation was required. The excavation was backfilled with crushed rock, the clean excavated material was compacted in place, and the site was repaved. On February 27, the soil was removed from the site by Trace Environmental Services, a registered Hazardous Waste hauler, and transported for disposal at the PWI Class I landfill in Buttonwillow, California (manifests attached, Attachment IV).

L  
TK  
EXCAVATION

Notwithstanding that residual levels of hydrocarbon and BTX in the soil following excavation were below action levels (100 ppm for hydrocarbon and 0.7 ppm for benzene), Alameda County, Division of Environmental Health felt it prudent to require groundwater monitoring. On March 4, 1988, Dames & Moore installed a monitor well on the west side of the property (near 20th Street) at a location recommended by Mr. Storm Goranson of Alameda County Environmental Health as likely being down gradient. Dames & Moore proposed three consecutive days of groundwater monitoring as suitable for determining the presence or absence of contamination, which was approved by Mr. Goranson. Samples were obtained on March 4, 5, and 6, 1988, and submitted

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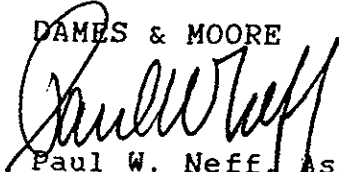
CHH Post-Construction Report

Page 3

to Brown and Caldwell Laboratories in Emeryville for analysis of petroleum hydrocarbons, BTX, and lead. The analyses indicated no significant level of petroleum hydrocarbon in the groundwater (Attachment VI). Moreover, no benzene or xylene were detected, and only a trace of toluene was detected. The results were reported to Mr. Goranson verbally by me on March 21, 1988, and he expressed satisfaction that groundwater contamination was not present at the site.

Sincerely,

DAMES & MOORE

  
Paul W. Neff, Associate  
Project Manager

PWN/lm

Attachments

cc: Anne Toepker, Dames & Moore

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)
Tank A 3000 gallons		12 ft below surface	
		South end of tank	#10A
		under fill pipe	
	TPHC as Gasoline		2.5 ppm
	Benzene		<0.1 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
	Lead		1.5 mg/kg
		North end of tank	#11A
	TPHC as Gasoline		2.6 ppm
	Benzene		<0.1 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
	Lead		1.3 mg/kg
Tank B 5000 gallons 1st set of samples		12 ft below surface	
		South end of tank	#7A
		under fill pipe	
	TPHC as Gasoline		1400 ppm
	Benzene		230 ppm
	Toluene		140 ppm
	Xylene		80 ppm
	Lead		5.5 mg/kg
		North end of tank	#8A
	TPHC as Gasoline		13 ppm
	Benzene		<0.1 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
	Lead		1.9 mg/kg

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)
Tank B 5000 gallons 2nd set of samples		16 ft below surface	
		South end of tank	
		under fill pipe #13	
	TPHC as Gasoline		<1.0 ppm
	Benzene		<0.1 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
	Lead		1.7 mg/kg
	Flash Point		>110°C
			North end of tank #14
	TPHC as Gasoline		1.2 ppm
	Benzene		<0.1 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
Lead		1.6 mg/kg	
Flash Point		>110°C	
Tank C 7000 gallons 1st set of samples		12 ft below surface	
		South end of tank	
		under fill pipe #3A	
	TPHC as Gasoline		140 ppm
	Benzene		3.4 ppm
	Toluene		2.7 ppm
	Xylene		<del>22.18</del> ppm
	Lead		8.8 mg/kg
			North end of tank #4A
	TPHC as Gasoline		66 ppm
	Benzene		7.7 ppm
	Toluene		9.9 ppm
	Xylene		11 ppm
	Lead		5.5 mg/kg

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)	
Tank C 7000 gallons 2nd set of samples		16 ft below surface North end of tank under fill pipe #15		
	TPHC as Gasoline		30 ppm	
	Benzene		0.51 ppm	
	Toluene		0.90 ppm	
	Xylene		1.7 ppm	
	Lead		3.0 mg/kg	
	Flash Point		>110°C	
			South end of tank #16	
	TPHC as Gasoline		<1 ppm	
	Benzene		<0.1 ppm	
	Toluene		<0.1 ppm	
	Xylene		<0.1 ppm	
	Lead		1.9 mg/kg	
	Flash Point		>110°C	
Tank D waste oil 500 gallons		7 ft below surface South end of tank <del>#5</del> #5		
	TPHC as Gasoline		5.8 ppm	
	Diesel		<del>110 ppm</del> 7.1 ppm	
	Benzene		<0.1 ppm	
	Toluene		<0.1 ppm	
	Xylene		<0.1 ppm	
	PCB's		<10 ppb	
			North end of tank under fill pipe <del>#6A</del> #6A	
	TPHC as Gasoline		2.6 ppm	
	Diesel		7.8 ppm <del>7.1 ppm</del> 7.1 ppm	
	Benzene		<0.1 ppm	
	Toluene		<0.1 ppm	
	Xylene		<0.1 ppm	
	PCB's		<10 ppb	



UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)	
Joint in product line from gas tanks to service island		6 ft below surface East wall of excavation	#12	
	TPHC as Gasoline			1.6 ppm
	Benzene			<0.1 ppm
	Toluene			<0.1 ppm
	Xylene			<0.1 ppm
South sidewall of excavation in region of fill pipes - area of dark grey soil 1st samples		8 ft below surface	#2	
	TPHC as Gasoline			80 ppm
	Benzene			1.4 ppm
	Toluene			5.4 ppm
	Xylene			18 ppm
	Lead			5.9 mg/kg
South wall of excavation in region of fill pipes - area of dark grey soil 2nd samples		8 ft below surface	#18?	
	TPHC as Gasoline			<1.0 ppm
	Diesel			<0.1 ppm
	Benzene			<0.1 ppm
	Toluene			<0.1 ppm
	Xylene			<1.0 ppm
	Lead			1.9 mg/kg
	Flash point			>110°C

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)
Sump inside Garage		12 ft below concrete slab	#1
	TPHC as Gasoline		4.9 ppm
	Diesel		110 ppm
	Benzene		0.53 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
Joint in pipe leading to waste oil tank		2 ft below surface	#9
	TPHC as Gasoline		<1.0 ppm
	Diesel		21 ppm
	Benzene		<0.1 ppm
	Toluene		<0.1 ppm
	Xylene		<0.1 ppm
	PCB's		<10 ppb

ATTACHMENT I

Alameda County  
Division of Environmental Health  
Permission to Abandon Soil in Place

ATTACHMENT II

Tank Removal Permit  
and  
Site Plan Showing  
Groundwater Monitor Well

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 7237

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 this Department are to assure compliance with State and local laws. The project depicted herein is now released for construction. Only required building permits for construction of any of these accepted plans must be on file with the responsible building department and craftsmen in charge of the construction and installation.  
 Any change or alteration of these plans and specifications must be submitted to this Department and to the Building Inspector Department to determine that they meet the requirements of State and local laws.  
 Notify this Department at least 48 hours before the following required inspections:  
 1. Pre-covering of roof  
 2. Final Inspector  
 Issuance of a permit to operate in accordance with accepted plans and applicable regulations.  
 THERE IS A FINANCIAL PENALTY FOR OBTAINING THESE INSPECTIONS

470 27TH ST. RM. 322  
 OAKLAND, CA 94612  
 PHONE NO. 415 874 7237

*Self*

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Crown (Foreign)  
 Business Owner Carter - H. L. - H. L.
2. Site Address 1411 Telegraph Ave  
 City Oakland CA Zip 94612 Phone \_\_\_\_\_
3. Mailing Address 45 Hillside Mall  
 City San Mateo CA Zip 94403 Phone (415) 572-8666
4. Land Owner Carter Hawley-Hale  
 Address 45 Hillside Mall City, State CA Zip 94403
5. EPA I.D. No. ~~CA 000059613~~ CAC 000059613
6. Contractor TRACE Environmental Services Inc.  
 Address 3084 Sunrise Blvd, Suite 9  
 City Rancho Cordova CA Phone 916 639-2045  
 License Type A
7. Other (Specify) DAMES & MOORE (consultant)  
 Address 271 Main St Suite 600  
 City San Francisco Phone 415 296-5858

**DRAFT**

8. Contact Person for Investigation

Name Jim Curtis Title Staff Engineer  
Phone 415 896 5858

9. Total No. of Tanks at facility 4

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name Travis Environmental Services, Inc. EPA I.D. No. CA0982357170  
Address 2004 Commercial Blvd. Suite 9  
City San Francisco State CA Zip 94114

Rinsate Transporter

Name Travis Environmental Services, Inc. EPA I.D. No. CA0982357170  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

c) Tank Transporter

Name Travis Environmental Services, Inc. EPA I.D. No. CA0982357170  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

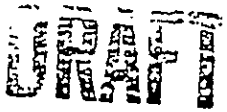
Contaminated Soil Transporter

Name Travis Environmental Services, Inc. EPA I.D. No. CA0982357170  
Address CAMP  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

12. Sample Collector

Name Jim Curtis  
Company Dames & Moore  
Address 221 Main Street  
City S.F. State CA Zip 94105-1917 Phone 415 896 5858

TANKS TO C&C Storage (S&C)  
- Conf 2' Shales in S&C of tanks & physically exchange.



13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
7000 gal.	Reg. leaded gas	Soil beneath tank	2' below bottom of exc tank - 1 sample at each tank Report made for each inspection tank
5000 gal.	unleaded	"	
3000 gal.	super unleaded	"	
500 gal.	waste oil	"	

14. Have tanks or pipes leaked in the past? Yes [ ] No [X] (no leaks)

If yes, describe. \_\_\_\_\_

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. triple rinse with high pressure water and measure dry weight with detergent to break film on inner tank wall. Place 100 lbs of dry ice or 1000 gallons acetone over completion of rinse. Measure tank with sniffer for L.E.L. concentrations

16. Laboratories

Name Arcorx Soil Testing

Address 405 Clyde Ave

city Mountain View state CA zip 94039

State Certification No. 125

(415) 961-5700

17. Chemical Methods to be used for Analyzing Samples

**MTI**

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
<p>TFPH TPA gas, diesel, Benzene Toluene Xylene, Ethylbenzene Volatile Organics Aromatic Solvent - digamma PCE, TCE Total Organic Carbon</p>	<p>8015m, 8020, 8030, <del>410.13</del> 7421</p>	<p>8020 BTX 8030 PCB n/a 7421 organics</p>
<p>NO. - Sample @ Jantex, E @ 20' int.</p>		

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

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

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

Name of Insurer Argonaut Fire Policy # 14504653321

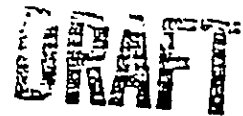
20. Plot Plan submitted? Yes [X] No [ ]

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





I declare that to the best of my knowledge and belief the statements 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 is 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 solely 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) Frank W. [unclear]  
 Signature [Handwritten Signature]  
 Date 11/1/99

Signature of Site Owner or Operator

Name (please type) Jim Curtis agent for Carter-Hawley, et al  
 Signature [Handwritten Signature]  
 Date 11/19/99

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.

INSTRUCTIONS

RECEIVED  
GENERAL INVESTIGATIVE  
DIVISION  
FEDERAL BUREAU OF  
INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

011111

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale
- b) North Arrow
- c) Property Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

1/88

ATTACHMENT III

Chain of Custody Documents  
and  
Lab Analyses on Soil Samples

Manifests for Tank Rinsate

SEQUOIA ANALYTICAL LABORATORY  
CHAIN OF CUSTODY REPORT

Client: James & Moore  
 Attention: Jim Curtis  
 Mailing Address: Suite 600  
221 Main St  
San Juan, CA 94105  
 Phone Number: (415) 896-5858

Project Name: Emporium Capwell  
 Project Address: Chowen station  
1911 Telegraph Ave  
Oakland, CA  
 Job # 12606-016-038

Date/Time Sample Collection: \_\_\_\_\_ am  
 Collected By: Jim Curtis \_\_\_\_\_ pm  
 Date/Time Delivered to Laboratory: 1/29 19:00 am  
 Delivered By: Jim Curtis \_\_\_\_\_ pm  
 Received in Laboratory By: Janet Schwan

Sample Description	Number and Type of Containers	Analysis Requested
#1		8015, 3550, 8020
#2		8015, 8020, 7421
#3A		8015, 8020, 7421
#4A		8015, 8020, 7421
#5		3550, 8015, 8080, 8020
#6A		3550, 8015, 8080, 8020
#7A		8015, 8020, 7421
#8A		8015, 8020, 7421
#9		3550, 8015, 8080, 8020
#10A		8015, 8020, 7421

Turnaround Status:  
~~1 Hour~~  24 Hour  48 Hour  5 Work Days  10 Work Days  15 Work Days

#11A \_\_\_\_\_  
 #12 \_\_\_\_\_  
 8015, 8020, 7421  
 8015, 8020, 7421

SEQUOIA ANALYTICAL LABORATORY  
CHAIN OF CUSTODY REPORT

Client: Winters & Moore  
 Attention: Jim Curtis  
 Mailing Address: Suite 600  
221 Main St  
SF CA 94105  
 Phone Number: (415) 896-5858

Project Name: Empirium Caswell  
 Project Address: Chescon Station  
1911 Telegraph Ave  
Oakland CA  
 Job #  
12006-016-038

Date/Time Sample Collection: \_\_\_\_\_ am  
 \_\_\_\_\_ pm  
 Collected By: Jim Curtis  
 Date/Time Delivered to Laboratory: 2/4/88 12:30 am  
 \_\_\_\_\_ pm  
 Delivered By: Jim Curtis  
 Received in Laboratory By: B. Uj...

Sample Description	Number and Type of Containers	Analysis Requested
#13		E015, E020, 7121
#14		
#15		
#16		
#17		
#18		

flack point  
↓

Turnaround Status:  
 \_\_\_ 8 Hour X 24 Hour \_\_\_ 48 Hour \_\_\_ 5 Work Days \_\_\_ 10 Work Days \_\_\_ 15 Work Days



# SEQUOIA Analytical Laboratory

2549 Middlefield Road  
Redwood City, CA 94063 • (415) 364-9222

Dames & Moore  
221 Main St., Suite 600  
San Francisco, CA 94105  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038,  
Emporium Capwell/Chevron Station,  
1911 Telegraph Ave., Oakland, CA

<u>Sample Number</u>	<u>Sample Description</u> Soil Samples	<u>Total Lead</u> mg/kg-wet wt.
8012049	#2	5.9
8012050	#3A	8.8
8012051	#4A	5.5
8012054	#7A	5.5
8012055	#8A	1.9
8012057	#10A	1.5
8012058	#11A	1.3
8012059	#12	45 ← stockpile

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton  
Laboratory Director



# SEQUOIA Analytical Laboratory

2549 Middlefield Road  
Redwood City, CA 94063 • (415) 364-9222

Dames & Moore  
221 Main St., Suite 600  
San Francisco, CA 94105  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8012049

### Sample Description

Soil, #2

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	80 ✓
Benzene	0.1	1.4
Toluene	0.1	5.4
Xylenes	0.1	18

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton  
Laboratory Director





# SEQUOIA Analytical Laboratory

2549 Middlefield Road  
Redwood City, CA 94063 • (415) 364-9222

Dames & Moore  
221 Main St., Suite 600  
San Francisco, CA 94105  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012050

Sample Description

Soil, #3A

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	140
Benzene	0.1	3.4
Toluene	0.1	2.7
Xylenes	0.1	22

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton  
Laboratory Director



# SEQUOIA Analytical Laboratory

2549 Middlefield Road  
Redwood City, CA 94063 • (415) 364-9222

Dames & Moore  
221 Main St., Suite 600  
San Francisco, CA 94105  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012051

Sample Description

Soil, #4A

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	66
Benzene	0.1	7.7
Toluene	0.1	9.9
Xylenes	0.1	11

Method of Analysis: EPA 5020/8015/8020

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton  
Laboratory Director



# SEQUOIA Analytical Laboratory

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Redwood City, CA 94063 • (415) 364-9222

Dames & Moore  
221 Main St., Suite 600  
San Francisco, CA 94105  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012054


Sample Description

Soil, #7A

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	1,400
Benzene	0.1	230
Toluene	0.1	140
Xylenes	0.1	80

Method of Analysis: EPA 5020/8015/8020

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Laboratory Director



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Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

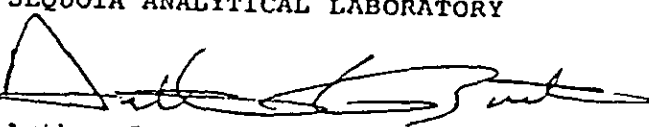
Sample Number  
8012055

Sample Description  
Soil, #8A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	13
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012056

Sample Description

Soil, #9

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Extracted: 02/01/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

Sample Number

8012056

Sample Description

Soil, #9

PRIORITY POLLUTANTS

PESTICIDE AND PCB COMPOUNDS  
results in ppb

Aldrin.....	< 5	Endrin.....	< 5
α-BHC.....	< 10	Endrin Aldehyde.....	< 10
β-BHC.....	< 10	Heptachlor.....	< 2
δ-BHC.....	< 10	Heptachlor Epoxide.....	< 10
γ-BHC.....	< 5	Toxaphene.....	< 10
Chlordane.....	< 5	PCB-1016.....	< 10
4,4'-DDD.....	< 10	PCB-1221.....	< 10
4,4'-DDE.....	< 5	PCB-1232.....	< 10
4,4'-DDT.....	< 10	PCB-1242.....	< 10
Dieldrin.....	< 5	PCB-1248.....	< 10
Endosulfan I.....	< 10	PCB-1254.....	< 10
Endosulfan II.....	< 10	PCB-1260.....	< 10
Endosulfan Sulfate.....	< 10		

Method of Analysis: EPA 8080

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Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012057


Sample Description

Soil, #10A

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.5
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8012058

### Sample Description

Soil, #11A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.6
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012059

Sample Description

Soil, #12

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
--	-----------------------------------------	----------------------------------------

Low to Medium Boiling Point Hydrocarbons

1 1.6

Benzene

0.1 < 0.1

Toluene

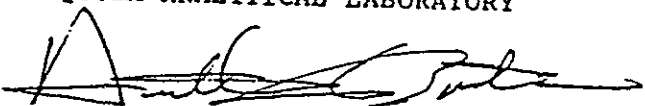
0.1 < 0.1

Xylenes

0.1 < 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

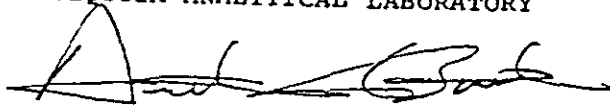
Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

## TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u> Soil,	<u>Detection Limit</u> ppm	<i>Diesel</i> <u>High Boiling Point Hydrocarbons</u> ppm
8012048	#1	1	110
8012052	#5	1	7.1
8012053	#6A	1	18
8012056	#9	1	21

Method of Analysis: EPA 3550/8015

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Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8012048

### Sample Description

Soil, #1

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	4.9
Benzene	0.1	0.53
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8012052

### Sample Description

Soil, #5

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	5.8
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Extracted: 02/01/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

Sample Number

8012052

Sample Description

Soil, #5

PRIORITY POLLUTANTS

PESTICIDE AND PCB COMPOUNDS

results in ppb

Aldrin.....	< 5	Endrin.....	< 5
α-BHC.....	< 10	Endrin Aldehyde.....	< 10
β-BHC.....	< 10	Heptachlor.....	< 2
δ-BHC.....	< 10	Heptachlor Epoxide.....	< 10
γ-BHC.....	< 5	Toxaphene.....	< 10
Chlordane.....	< 5	PCB-1016.....	< 10
4,4'-DDD.....	< 10	PCB-1221.....	< 10
4,4'-DDE.....	< 5	PCB-1232.....	< 10
4,4'-DDT.....	< 10	PCB-1242.....	< 10
Dieldrin.....	< 5	PCB-1248.....	< 10
Endosulfan I.....	< 10	PCB-1254.....	< 10
Endosulfan II.....	< 10	PCB-1260.....	< 10
Endosulfan Sulfate.....	< 10		

Method of Analysis: EPA 8080

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Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8012053

Sample Description

Soil, #6A

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	2.6
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Received: 01/29/88  
Date Extracted: 02/01/88  
Date Reported: 02/03/88

Project: #12606-016-038, Emporium  
Capwell/Chevron Station, 1911  
Telegraph Ave., Oakland, CA

Sample Number

8012053

Sample Description

Soil, #6A

PRIORITY POLLUTANTS

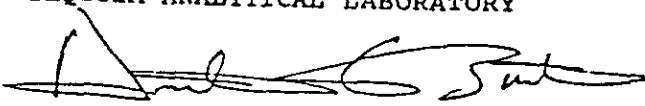
PESTICIDE AND PCB COMPOUNDS

results in ppb

Aldrin.....	< 5	Endrin.....	< 5
α-BHC.....	< 10	Endrin Aldehyde.....	< 10
β-BHC.....	< 10	Heptachlor.....	< 2
δ-BHC.....	< 10	Heptachlor Epoxide.....	< 10
γ-BHC.....	< 5	Toxaphene.....	< 10
Chlordane.....	< 5	PCB-1016.....	< 10
4,4'-DDD.....	< 10	PCB-1221.....	< 10
4,4'-DDE.....	< 5	PCB-1232.....	< 10
4,4'-DDT.....	< 10	PCB-1242.....	< 10
Dieldrin.....	< 5	PCB-1248.....	< 10
Endosulfan I.....	< 10	PCB-1254.....	< 10
Endosulfan II.....	< 10	PCB-1260.....	< 10
Endosulfan Sulfate.....	< 10		

Method of Analysis: EPA 8080

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San Francisco, CA 94105-1917  
Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/09/88  
Date Relogged: 02/02/88

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8020130

Sample Description

Soil, 7B

Detection  
Limit  
ppm

Sample  
Results  
ppm

Low to Medium Boiling Point Hydrocarbons

1

3,300

Benzene

0.1

42

Toluene

0.1

340

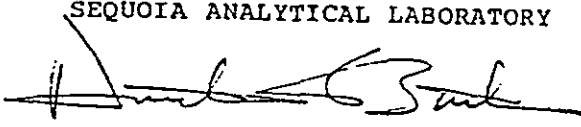
Xylenes

0.1

770

Method of Analysis: EPA 5020/8015/8020

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Attn: Jim Curtis

Date Sampled: 01/29/88  
Date Received: 01/29/88  
Date Reported: 02/09/88  
Date Relogged: 02/02/88

Sample Number

8020130

Sample Description

Soil, 7B

ANALYSIS

Total Lead, mg/kg-wet wt.

4.6

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Date Sampled: 02/04/88  
Date Received: 02/04/88  
Date Reported: 02/09/88

Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

<u>Sample Number</u>	<u>Sample Description</u> Soil	<u>Lead</u> mg/kg-wet wt.	<u>Flashpoint</u> °C
8020351	#13	1.7	> 110
8020352	#14	1.6	> 110
8020353	#15	3.0	> 110
8020354	#16	1.9	> 110
8020355	#17	3.4	> 110
8020356	#18	1.9	> 110

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Attn: Jim Curtis

Date Sampled: 02/04/88  
Date Received: 02/04/88  
Date Reported: 02/09/88

Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8020351

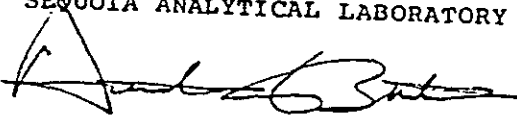
### Sample Description

Soil, #13

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Received: 02/04/88  
Date Reported: 02/09/88

Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8020352

### Sample Description

Soil, #14

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	1.2
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Received: 02/04/88  
Date Reported: 02/09/88

Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8020353

### Sample Description

Soil, #15

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	30
Benzene	0.1	0.51
Toluene	0.1	0.90
Xylenes	0.1	1.7

Method of Analysis: EPA 5020/8015/8020

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Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTX DISTINCTION

### Sample Number

8020354

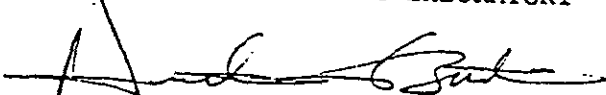
### Sample Description

Soil, #16

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Date Received: 02/04/88  
Date Reported: 02/09/88

Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8020355

Sample Description

Soil, #17

	<u>Detection Limit</u> ppm	<u>Sample Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Project: Emporium Capwell/Chevron  
Station, 1911 Telegraph Avenue,  
Oakland, CA - Job #12606-016-038

TOTAL PETROLEUM FUEL HYDROCARBONS  
WITH BTX DISTINCTION

Sample Number

8020356

Sample Description

Soil, #18

	<u>Detection</u> <u>Limit</u> ppm	<u>Sample</u> <u>Results</u> ppm
Low to Medium Boiling Point Hydrocarbons	1	< 1.0
Benzene	0.1	< 0.1
Toluene	0.1	< 0.1
Xylenes	0.1	< 0.1

Method of Analysis: EPA 5020/8015/8020

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Arthur G. Burton  
Laboratory Director



ATTACHMENT V

Manifest for Contaminated Soil Disposal

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. **CA1000051961371463K** Manifest Document No. **37463K**  
 2. Page 1 of 1 Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address  
**EMIPORUM CAPWELL DEPT STORES**  
**3051 STEVENS CREEK BLVD.**  
**SAN J. CLAY, CA 95050**  
 4. Generator's Phone **(415) 572-5666**

A. State Manifest Document Number  
**8744830**  
 B. State Generator's ID

5. Transporter 1 Company Name  
**H. H. SHIP SERVICE** 6. US EPA ID Number **CA100004771161E**  
 7. Transporter 2 Company Name 8. US EPA ID Number

C. State Transporter's ID **800846**  
 D. Transporter's Phone  
 E. State Transporter's ID  
 F. Transporter's Phone

9. Designated Facility Name and Site Address  
**H. H. SHIP SERVICE** 10. US EPA ID Number **CA100004771161E**  
**220 CHINA BASIN ST**  
**SAN FRANCISCO CA 94107**

G. State Facility's ID  
**1381-10011-17811**  
 H. Facility's Phone  
**(415) 547-4835**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
a. <b>WASTE FLAMMABLE LIQUID N.O.S.</b> <b>UN 1993</b>	<b>0011</b>	<b>TT</b>	<b>114010 G</b>		State <b>241</b> EPA/Other <b>8001</b>
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above  
**GASOLINE 5090**  
**OIL 5090**

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

15. Special Handling Instructions and Additional Information  
**GLOVES GOGGLES**

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 **Wardwood Johnson** Signature *Wardwood Johnson* Month Day Year **12/12/81**

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name **TERENCE R. VOSS** Signature *Terence R. Voss* Month Day Year **12/12/81**

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 19.  
 Printed/Typed Name Signature Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8002. WITHIN CALIFORNIA CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

**RECYCLETRON OIL, INC.**  
**DBA Refineries Service**

P.O. Box 1171  
 Patterson, CA 95363  
 (209) 892-6742  
 (800) 874-4444

2-1-88  
 DATE

87423110  
 STATE MANIFEST # \_\_\_\_\_  
 USED OIL HAULER # 86-050  
 EPA # CAD083166728  
 HAZARDOUS WASTE HAULER # #1500  
 REGISTRATION # 201931  
 INV. # 9179

CUSTOMER	Trace		Capwell -		TERMS	019 5883	
	Environmental		Parkway			DRIVER TRUCK #	
	Billing Address		Billing Address if Different			CASH -	
	NAME		NAME			NET 10 DAY -	
Address		Address		PO #		PO #	
CITY STATE ZIP		CITY STATE ZIP		CITY STATE ZIP		CITY STATE ZIP	

Summit Suite # 1911 Telegraph  
 Oakland, CA  
 Rancho Cordova  
 916-638-8045

- PLEASE PAY FROM THIS INVOICE -

PRODUCT	GALLONS	HOURS	RATE	AMOUNT
Only H2O	500		~85	425 <sup>00</sup>
Waste				

I certify amount shown above to be correct.

*[Signature]* (Customer Signature)      *[Signature]* (Driver Signature)

also: Verbal Trace Environmental  
 WHITE CUSTOMER      CANADIAN ALPHABETIC NUMBER

Total Charges 425<sup>00</sup>

ATTACHMENT IV

Report to Alameda County

Division of Environmental Health



**DAMES & MOORE**

A PROFESSIONAL LIMITED PARTNERSHIP

221 MAIN STREET, SUITE 600 SAN FRANCISCO, CALIFORNIA 94105 1917 (415) 776-5555

February 23, 1988

Job No. 12606-016-038

Alameda County Health Agency  
Division of Hazardous Materials  
Department of Environmental Health  
470 - 27th Street, Room 322  
Oakland, California 94612

Attention: Mr. Storm Goranson

Gentlemen:

As required per the Alameda County Health Care Services Agency, Underground Tank Closure Plan, we are submitting the following copies pertaining to the tank removal at 1911 Telegraph Avenue, Oakland, California:

- (a) Chain of Custody Sheets;
- (b) Signed Laboratory Reports;
- (c) Generator copies of the Uniform Hazardous Waste Manifest for all wastes leaving the site; and
- (d) Attachment A summarizing the laboratory results.

JC/1707a

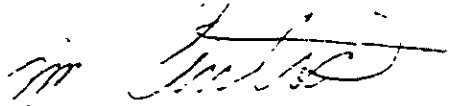
Alameda County Health Agency  
February 23, 1988  
Page 2

The work was begun on January 25, 1988. The four storage tanks were removed from the site under both Oakland Fire Department and Alameda County Health Care Services Agency, Hazardous Materials Division supervision of January 29, 1988. Laboratory analysis of the collected soil samples showed contamination of the fill material along the southern ends of the gasoline storage tanks. This material was removed from the excavation. The second set of laboratory analysis defines the limits of the contamination. The removed soils are currently awaiting authority to transport to final disposal.

If you should have any questions about this project, please feel free to contact me.

Very truly yours,

DAMES & MOORE.

  
Jim Curtis  
Construction Manager

JC:ed  
Attachments

JC/1707a

Please print or type (Form designed for use on elite (12-pitch typewriter))

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No  
 C A C 0 0 0 0 5 8 4 0 5  
 Manifest Document No  
 0 1 9 1 7 7 1 8

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

3. Generator's Name and Mailing Address  
 EMPORIUM - CAPWELL DEPARTMENT STORES  
 3051 Stevens Creek Boulevard  
 Santa Clara, CA 95050  
 4. Generator's Phone (415) 572-5666

A. State Manifest Document Number  
 87609778

B. State Generator's ID  
 H I A H Q 3 1 6 1 0 1 2 1 5 1 5 1 4 1

5. Transporter 1 Company Name  
 Trace Environmental Services, Inc  
 6. US EPA ID Number  
 C I A I D 1 9 1 8 1 2 1 3 1 5 1 7 1 1 1 7 1 0

C. State Transporter's ID  
 80059

D. Transporter's Phone  
 (916) 638-8045

7. Transporter 2 Company Name  
 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address  
 PETROLEUM WASTE, INCORPORATED  
 Lokern Road  
 Buttonwillow, CA 93206  
 10. US EPA ID Number  
 C A D 9 8 0 6 7 5 2 7 6

G. State Facility's ID  
 C I A I D 1 9 1 8 1 0 1 6 1 7 1 5 1 2 1 7 1 6 1

H. Facility's Phone  
 (805) 762-7341

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
				State	EPA/Other
a. Waste Gasoline Contaminated Soil California Regulated Waste Only	0 0 2 D T	1 0 0 1 3 Y		611	
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above  
 Soil 99.9%  
 Gasoline 0.1%

K. Handling Codes for Wastes Listed Above  
 a. 06  
 b.  
 c.  
 d.

15. Special Handling Instructions and Additional Information  
 Wear gloves and goggles when handling material.  
 PWI Approval Number G311

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.  
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Printed/Typed Name: Woodrow Johnson CHARLES S. MARTIN  
 Signature: Charles S. Martin  
 Month Day Year: 12 21 1988

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name: William L. Whitesell  
 Signature: William L. Whitesell  
 Month Day Year: 10 21 1988

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name:  
 Signature:  
 Month Day Year:

19. Discrepancy Indication Space  
 GEN ON Sec 3 should be Chevron Station Emporium Capwell  
 HL Morend

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
 Printed/Typed Name: Hector L. Moreno  
 Signature: Hector L. Moreno  
 Month Day Year: 10 21 1988

GENERATOR

TRANSPORTER

FACILITY

ATTACHMENT VI

Copy of Laboratory Report  
Received by Fax  
From

Brown and Caldwell Laboratories  
1255 Pwell Street  
Emeryville, California 94608



LOG NO: B88-03-200

Received: 08 MAR 88

Reported: 15 MAR 88

Mr. Jim Curtis  
Dames and Moore  
221 Main Street, Suite 600  
San Francisco, CA 94105

Project: 12606-016-038

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED			
03-200-1	B-1 1A				04 MAR 88
03-200-2	B-1 2A				04 MAR 88
03-200-3	B-1 3A				04 MAR 88
03-200-4	B-1 4A				04 MAR 88
PARAMETER		03-200-1	03-200-2	03-200-3	03-200-4
Lead, mg/kg		4.3	4.3	4.3	6.0
Nitric Acid Digestion, Date		03.09.88	03.09.88	03.09.88	03.09.88
Total Fuel Hydrocarbons, mg/kg		<10	<10	<10	<10

LOG NO: E88-03-200

Received: 08 MAR 88

Reported: 15 MAR 88

Mr. Jim Curtis  
Dames and Moore  
221 Main Street, Suite 600  
San Francisco, CA 94105

Project: 12606-016-038

REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED			
03-200-1	B-1 1A	04 MAR 88			
03-200-2	B-1 2A	04 MAR 88			
03-200-3	B-1 3A	04 MAR 88			
03-200-4	B-1 4A	04 MAR 88			
PARAMETER		03-200-1	03-200-2	03-200-3	03-200-4
Purgeable Priority Pollutants					
Extraction		03.08.88	03.08.88	03.08.88	03.08.88
1,1,1-Trichloroethane, mg/kg		<0.2	<0.2	<0.2	<0.2
1,1,2,2-Tetrachloroethane, mg/kg		<0.2	<0.2	<0.2	<0.2
1,1,2-Trichloroethane, mg/kg		<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethane, mg/kg		<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethylene, mg/kg		<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane, mg/kg		<0.2	<0.2	<0.2	<0.2
1,2-Dichloropropane, mg/kg		<0.2	<0.2	<0.2	<0.2
1,3-Dichloropropene, mg/kg		<0.2	<0.2	<0.2	<0.2
2-Chloroethylvinylether, mg/kg		<0.2	<0.2	<0.2	<0.2
Acrolein, mg/kg		<2	<2	<2	<2
Acrylonitrile, mg/kg		<2	<2	<2	<2
Bromodichloromethane, mg/kg		<0.2	<0.2	<0.2	<0.2
Bromomethane, mg/kg		<0.2	<0.2	<0.2	<0.2
Benzene, mg/kg		<0.2	0.4	<0.2	<0.2
Chlorobenzene, mg/kg		<0.2	<0.2	<0.2	<0.2
Carbon Tetrachloride, mg/kg		<0.2	<0.2	<0.2	<0.2
Chloroethane, mg/kg		<0.2	<0.2	<0.2	<0.2
Bromoform, mg/kg		<0.2	<0.2	<0.2	<0.2
Chloroform, mg/kg		<0.2	<0.2	<0.2	<0.2
Chloromethane, mg/kg		<0.2	<0.2	<0.2	<0.2
Dibromochloromethane, mg/kg		<0.2	<0.2	<0.2	<0.2
Ethylbenzene, mg/kg		<0.2	<0.2	<0.2	<0.2

LOG NO: E88-03-200

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San Francisco, CA 94105

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REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED			
03-200-1	B-1 1A	04 MAR 88			
03-200-2	B-1 2A	04 MAR 88			
03-200-3	B-1 3A	04 MAR 88			
03-200-4	B-1 4A	04 MAR 88			
PARAMETER		03-200-1	03-200-2	03-200-3	03-200-4
Methylene chloride, mg/kg		<0.2	<0.2	<0.2	<0.2
Tetrachloroethylene, mg/kg		<0.2	<0.2	<0.2	<0.2
Trichloroethylene, mg/kg		<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane, mg/kg		<0.2	<0.2	<0.2	<0.2
Toluene, mg/kg		<0.2	<0.2	0.4	<0.2
Vinyl chloride, mg/kg		<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethylene, mg/kg		<0.2	<0.2	<0.2	<0.2
trans-1,3-Dichloropropene, mg/kg		<0.2	<0.2	<0.2	<0.2

LOG NO: E88-03-200

Received: 08 MAR 88

Reported: 15 MAR 88

Mr. Jim Curtis  
Dames and Moore  
221 Main Street, Suite 600  
San Francisco, CA 94105

Project: 12606-016-038

REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED		
03-200-5	Well 1-1	04 MAR 88		
03-200-6	Well 1-2	05 MAR 88		
03-200-7	Well 1-3	06 MAR 88		
PARAMETER		03-200-5	03-200-6	03-200-7
Lead, mg/L		2.1	0.037	0.035
Nitric Acid Digestion, Date		03.09.88	03.09.88	03.09.88
Total Fuel Hydrocarbons, mg/L EPA Method 602		<1.0	3.5	<1.0
Date Extracted		03.10.88	03.10.88	03.10.88
1,2-Dichlorobenzene, ug/L		<0.5	<0.5	<0.5
1,3-Dichlorobenzene, ug/L		<0.5	<0.5	<0.5
1,4-Dichlorobenzene, ug/L		<0.5	<0.5	<0.5
Benzene, ug/L		<0.5	<0.5	<0.5
Chlorobenzene, ug/L		<0.5	<0.5	<0.5
Ethylbenzene, ug/L		<0.5	<0.5	<0.5
Toluene, ug/L		0.9	2.1	<0.5
Total Xylene Isomers, ug/L		<0.5	<0.5	<0.5

Steve Fisher, Laboratory Director