

7/28/83

VOLUME II - APPENDICES

**Site Characterization and Conceptual
Remedial Action Plan**

**Diesel Leak at
AC Transit, Emeryville**

**California Regional
Water Quality Control Board
San Francisco Bay Region**

A C T R A N S I T

VOLUME II - APPENDICES

**Site Characterization and Conceptual
Remedial Action Plan**

**Diesel Leak at
AC Transit, Emeryville**

**California Regional
Water Quality Control Board
San Francisco Bay Region**

89-021-R
July 1989

A C T R A N S I T

**VOLUME II - APPENDICES
CONTENTS**

- A. STATUS REPORT: UNAUTHORIZED RELEASE OF DIESEL OIL, AC TRANSIT
EMERYVILLE, CA (REPORT NO. 3)
- B. LITHOLOGIC LOGS FOR BOREHOLES AND MONITORING WELLS
- C. MONITORING WELL CONSTRUCTION DIAGRAMS - MAY 26, 1989
- D. INVESTIGATIVE METHODS
- E. CERTIFIED ANALYTICAL RESULTS
 - E-1 Groundwater - AC Transit Yard
 - E-2 Soil Borings - AC Transit Yard
 - E-3 Soil and Surface Water - Temescal Creek and Doyle Street
Storm Sewer
 - E-4 Holding Tanks - AC Transit Yard
- F. CHAIN OF CUSTODY FORMS
- G. H & H SHIP SERVICE HAZARDOUS WASTE MANIFESTS
- H. PEA GRAVEL EXTRACTION DATA

AC Transit

Alameda-Contra Costa Transit District

1600 Franklin Street, Oakland, California 94612 ☐ (415) 891-4777

May 26, 1989

TO: H. Kazemi, Regional Water Quality Control Board
FROM: J. David Peery, Safety Specialist, AC Transit
SUBJECT: Status Report: Unauthorized Release of Diesel Oil,
AC Transit, Emeryville, California (Report No. 3)

Enclosures:

Summary of cleanup and monitoring efforts to date

Memo from Kaiser Engineers to AC Transit dated May 25,
1989, re status of fuel leak repair and on-site cleanup

Computation of diesel discharge, loss/recapture

Status of AC Transit expended and projected costs of
cleanup to date

cc: James L.O'Sullivan
George Skezas
Richard L. Kassis
Carol G. Babington
Ronald H. Julian
Marit Roman
File

SUMMARY OF CLEANUP AND MONITORING ACTIONS BY AC TRANSIT TO DATE

1. Off-site cleanup (Temescal Creek to Bay)

1.1) April 7, 1989: Odor of diesel fuel reported to RWQCB. Inspection of Temescal Creek same date by AC Transit and RWQCB revealed to evidence of a release.

1.2) April 11, 1989: A second inspection of Temescal Creek by AC Transit and RWQCB revealed some sheen and diesel odor. Booms and pads placed in creek and at outfall to bay that afternoon. Saturated oil absorbent pads and booms have been placed in drums and temporarily stored on-site awaiting proper disposal.

1.3) April 12, 1989: The release from AC Transit was stopped when pumping of the oil interceptor was completed at approximately 6:00am.

1.4) April 14, 1989: US Coast Guard and Department of Fish and Game informed AC Transit that cleanup of the marsh area west of Interstate 80 had been completed to their satisfaction. Absorbent booms and pads were left in place both east and west of Interstate 80 and replaced as necessary.

1.5) April 15, 1989: Crosby & Overton commenced off-site cleanup efforts. Crosby & Overton placed additional booms in creek and at outfall to Bay and commenced manual removal of free floating diesel product by utilization of oil absorbent booms and pads. In addition, Crosby & Overton water-flushed the reinforced concrete pipe storm drain from the interceptor to Temescal Creek.

1.6) April 17-19, 1989: Visual demarcation of the most heavily contaminated areas of Temescal Creek and soil sampling. Sampling disclosed heavy metal deposits. Removal of contaminated soil from Temescal Creek was postponed pending authorization from EPA, Fish and Game and US Corps of Engineers.

1.7) April 20, 1989: AC Transit discontinued Crosby & Overton involvement relative to off-site cleanup of diesel fuel. During their period of involvement Crosby & Overton placed and removed approximately 1300 oil absorbent pads and 184 feet of oil absorbent booms.

1.8) April 20, 1989: Authorization given by EPA, Fish and Game and US Corps of Engineers for removal of grossly contaminated soil from Temescal Creek bed. Erickson, Inc. requested by AC Transit to take over the off-site cleanup.

1.9) April 21, 1989: After intermittent rains in the morning, a crew of three (3) laborers and a foreman changed oil pads and boom in the creek as needed. Also approximately six (6) drums of oily debris and soaked absorbents were moved to the AC Transit compound.

1.10) April 24, 1989: A crew of a foreman, four (4) laborers, and a backhoe removed seventeen (17) drums of oil contaminants, soil and rock. These drums were moved to AC Transit's compound for future disposal. All booms were checked and left in place. Approximately 20 percent of the absorbent pads were replaced.

1.11) April 25, 1989: Erickson personnel checked the site. No apparent need to replace absorbents.

1.12) April 26, 1989: Erickson personnel surveyed the site for oil contamination in the creek bed. Absorbents were replaced as needed. Erickson also checked bay outfall boom.

1.13) May 15, 1989: Crew of three (3) laborers and a foreman removed additional contaminated soil from the first section of Temescal Creek. Twenty-one (21) drums of waste were removed to the AC Transit yard.

1.14) May 16, 1989: Crew of three (3) laborers removed twenty-one (21) drums of waste from the first and second section areas. A 130 BBL vacuum truck pumped liquids from the second area. Approximately ninety (90) barrels (3,780 gallons) were pumped into a holding tank at the AC Transit yard.

1.15) May 17, 1989: Crew of three (3) laborers removed fifteen (15) drums of waste from the second area. A 130 BBL vacuum truck pumped liquids from the second area. Approximately eighty (80) barrels (3,360 gallons) were pumped into a holding tank. All absorbent pads were replaced in the creek.

1.16) May 19, 1989: Booms and pads were checked.

1.17) May 23, 1989: Creek area was checked.

1.18) Currently 180 drums of contaminated material (absorbent booms and pads from creek) await transportation to an approved hazardous waste site.

2. On-Site Cleanup (Division 2 Maintenance Facility)

2.1) April 7-10, 1989: Between April 7 and April 10, an unknown quantity of diesel fuel leaked from a fuel supply pipeline from an underground storage tank. The leak was stopped at some unknown time during this time period by the leak detection system (automatic shut off of the fuel pump upon register of low pressure).

2.2) April 12-13, 1989: Pressure testing of the diesel fuel supply system identified the segment of the fuel line that had leaked. Excavation to expose the fuel line system disclosed a 45° elbow which had failed possibly due to improper joint binding.

2.3) April 12-18, 1989: H & H pumped approximately 62,000 gallons of water and free product from the oil interceptor.

2.4) April 20, 1989: Pacific Pipeline survey inspected the storm drain RCP system on the north and west sides of the tank farm area to assess infiltration of diesel fuel from the tank farm area into the storm drain system. Leaks in mortar joints were noted in 3 consecutive joints.

2.5) April 24, 1989: The repaired pipeline as well as all other pipeline segments of the diesel fuel system servicing the fuel island were certified precision pressure tested. Repaired pipeline returned to service.

2.6) May 1-5, 1989: McTighe oil/water separator for treatment and discharge of effluent to EBMUD's sanitary sewer system installed and operational.

3. Monitoring Program

3.1) April 18-May 1, 1989: Crosby & Overton began installing bore holes and monitoring wells at locations approved by RWQCB. Nine bore holes were installed to visually determine the extent of diesel fuel migration from the area of the fuel island tank farm. Visual inspection of ground water at each bore hole indicated essentially no migration of fuel or dissolved diesel product from the tank farm area.

Two bore wells plus a third well casing within the tank farm pea gravel backfill area converted to extraction wells for pumping free and dissolved diesel products.

Three bore holes have been converted to monitoring wells. An additional seven monitoring wells were installed between the tank farm area and the north west end of facility property.

3.2) Sampling: Ground water samples drawn from the monitoring wells are essentially negative for total petroleum hydrocarbons (TPH).

KAISER ENGINEERS

INTER OFFICE MEMORANDUM

TO J. David Peery
AT AC Transit

DATE May 22, 1989
Revised May 25, 1989
FROM R. A. Curry

COPIES TO G. C. Skezas
File D2, 820-8

AT 1600 Franklin Street

JOB NO. 80097-828

SUBJECT AC Transit Division 2, Emeryville
Status of Fuel Leak Repair and Onsite Cleanup

On April 12, 1989, it was determined, by AC Transit personnel, that a leak had occurred in a diesel fuel supply line that services the diesel fuel dispensers at the west end of Emeryville's fuel island. Diesel fuel was observed leaking into the pump manhole of diesel fuel tank no. 2 through the secondary containment wall of the product supply line. Kaiser Engineers was requested to locate and fix the leak. On April 14, 1989, Kaiser Engineers was requested to obtain the services of a subcontractor to assist in the offsite cleanup of the diesel fuel spill; KE was also requested to provide environmental and other consulting services required to remediate the effects of the leak and resultant fuel spill.

This report provides a status of Kaiser Engineers' activities to date. It incorporates your comments of May 25, 1989.

At the time the leak was detected, pumping of diesel fuel into the damaged line was immediately discontinued. A force account (time and materials) services contract was issued to C. Overaa for work required to repair the leaking fuel pipe. Pressure testing of the system, on April 12 and 13, identified the segment of the fuel line where the leak was occurring.

After removal of the concrete pavement slab and pea gravel down to and exposing the fuel supply line, the leak was found at a 45° elbow fitting of the red thread, fiberglass inner product flow pipeline. The elbow was located approximately four feet from the pump manhole.

Field investigations made of the removed elbow suggest that failure occurred due to improper joint bonding. Possible causes of bonding failure include a misaligned connection (this could not be determined in the field), insufficient seating (tapered end of straight run pipe appeared to have been seated no more than 1" into the fitting as versus 2" recommended by the manufacturer), improperly cured joint (improper mixing of the adhesive or quantities of hardener and adhesive), and/or faulty manufacturer bond product (no tests have been made of the residue adhesive in the area of the failure). Photographs of the area and the failed joint have been taken and have been separately transmitted to AC Transit.

A technical representative of A. O. Smith, manufacturer of the red thread fiberglass pipe, was present and reviewed and commented on the repair procedures for the joint failure.

After repair of the pipeline and replacement of the secondary containment system, certified precision pressure testing of the repaired segment of pipe, as well as all other pipeline segments of the diesel fuel system servicing the fuel island, were undertaken. All diesel fuel supply line segments tested were found satisfactory. A copy of test results is provided as Attachment 1. The repaired pipeline was returned to service on April 24. Backfill and replacement of concrete pavement activities were finished and all construction work relative to the pipeline repair completed by April 26.

In response to AC Transit's request on April 14, written unit price proposals were obtained from Crosby & Overton Environmental Management, Inc., Erickson Technical Services, Inc., and Riedel Environmental Services, Inc., to provide personnel, material, and equipment to assist in the cleanup of the offsite discharge of diesel fuel. This scope of work was expanded to include the installation of bore holes and monitoring wells needed to define the extent of free and dissolved diesel product plumes associated with the site groundwater. Authorization to proceed with the work was given to Crosby & Overton on April 14 based on their overall lower labor, material, and equipment unit rates.

Crosby & Overton mobilized and had personnel involved in cleanup operations beginning Saturday morning, April 15. In addition to the manual removal of free floating diesel product, Crosby & Overton water-flushed the reinforced concrete pipe storm drain from the Nottingham interceptor to Temescal Creek. On April 20, following a meeting with the hazardous waste spill regulatory agencies, AC Transit requested that Crosby & Overton's activities relative to offsite cleanup of diesel fuel be discontinued. During the period of their involvement, Crosby & Overton placed and removed approximately 1300 oil absorbent pads and 184 feet of oil absorbent boom.

On April 18, Crosby & Overton began installing bore holes and monitoring wells at locations agreed to by the RWQCB.

Nine bore holes were installed for purposes of visually determining the extent of diesel fuel migration from the area of the fuel island tank farm. These holes were installed as a substitution for a more extensive soil/gas survey originally requested. Field investigation of groundwater at each of these bore holes led investigators to believe that there had been essentially no migration of either free or dissolved diesel product from the tank farm area. A layout drawing showing the location of bore holes and monitoring wells is provided as Attachment 2.

Two bore holes plus a third well casing (installed by C. Overaa) within the tank farm pea gravel backfill area were converted to extraction wells for use in pumping free and dissolved diesel product afloat in this area. It is estimated that approximately 1200 gallons of diesel have been removed from the tank farm with approximately 500 gallons of diesel remaining in the pea

Memo to: J. D. Peery
From: R. A. Curry

- 3 -

May 22, 1989
Revised May 25, 1989

gravel. Pumping of diesel/water product from the tank farm area continues; this activity will continue for approximately three more weeks.

Three bore holes were converted to monitoring wells. An additional seven monitoring wells (a total of 10) were installed. Water samples were taken from each monitoring well and analyzed.

In summary, the total petroleum hydrocarbons (TPH) as diesel findings are nondetectable or extremely low in all cases. Complete results of the laboratory analyses have been separately transmitted to AC Transit.

All well installations were completed by Crosby & Overton on May 1.

On April 19, Pacific Pipeline Survey (PPS) was requested to inspect the storm drain RCP system on the north and west sides of the tank farm area to verify and locate the points of infiltration of diesel fuel from the tank farm into the storm drain system. On April 20, PPS, using a remote TV camera, inspected approximately 500 feet of storm drain pipe. A copy of the video tape made of this effort has been separately provided to AC Transit. A copy of the inspection log is provided as Attachment 3. Leaks in mortar joints were noted in 3 consecutive joints (approximately 6 feet apart) beginning 17 feet south of the northern most catch basin in the north-south storm drain lateral. These leaks are less than 10 feet west of the tank farm area. At present no effort is being made to seal these leaks.

In order to reduce the costs to AC Transit of shipping storm water drain discharge offsite (because of the RWQCB directive that temporarily prohibits the unpermitted continuing discharge of storm drain discharge to Temescal Creek), AC Transit has approved the relocation from Division 2, Richmond, of a McTighe oil/water separator for treatment and discharge of effluent to EBMUD's sanitary sewer system. A force account (time and materials) purchase order was issued to C. Overaa (who originally installed the equipment at Richmond) for this work. The McTighe oil/water separator was installed and operational, with treated effluent being discharged to a 12,000 gallon holding tank, by May 5. Water sampling of storm water drain discharge and treated effluent was conducted May 5, 10, and 12. The results of effluent treatment are in full compliance with EBMUD discharge limits. Trace quantities of naphthalene, trimethylbenzenes and xylenes plus diesel in amounts of 260 mg/L or below were found in the storm water drain discharge samples. Heavy metals were nondetectable. Sample tests of the treated effluent showed a reduction of gasoline, benzene, toluene, ethylbenzene, and xylene to nondetectable limits. Diesel concentrations were reduced to 40 mg/L or less. Certified analytical laboratory results are available. A permit application was submitted to EBMUD on May 19 for discharging treated storm drain effluent from the McTighe oil/water separator to a nearby sanitary sewer drain. EBMUD approval is expected by June 2. Efforts are being undertaken to expedite the approval process with most optimistic approval date being May 26.

On April 20, we completed and AC Transit submitted to the RWQCB a Report of Unauthorized Release of Diesel Fuel (the "5-day report"). This was the first formal report submitted by AC Transit to regulatory agencies relating to the

accidental release of diesel fuel from the Emeryville site. A second report - a remedial investigation/feasibility study required by RWQCB Guidelines for Investigation of Leaking Tanks - is under preparation and is scheduled for submittal to RWQCB in late June.

It is anticipated that the NPDES permit application required to install an oil/water separator facility at the terminus of the onsite storm water drain system, preparatory to discharge into Temescal Creek, will be completed, ready for transmittal to the RWQCB, by June 5. As part of this permit application process, Kaiser Engineers prepared an engineering study report concluding that AC Transit should base its NPDES permit application on the furnishing of a coalescence type oil filter separator sized to process a 25-year, 24-hour storm water runoff. AC Transit has approved this recommendation and it will be reflected in the permit application.

Design, procurement and installation of a storm water drain effluent treatment facility is dependent upon the results of the NPDES permitting process.

kib

Attachments

ATTACHMENT I

Year 89 No 4 Div 24

State C.A. City

OWNER LOCATION DATE OF TEST

DATA CHART
For Use With



1 LOCATION: 45th and San Pablo Av. Emeryville Ca Telephone No _____
Street No. and/or Corner City State

2 OWNER: A.C. TRANSIT Telephone No _____
Name Address Representative Position

3 OPERATOR: SAME Telephone No _____
Name Dealer, Mgr. or Other Address (if different than Location)

4 REASON FOR TEST test After Repairing damaged line on line #1, tested line #2 to insure integrity of both piping systems.

5 TEST REQUESTED BY: W.S. O'Hair Resident Manager 1600 Franklin St. Oak Ca.
Name Position Order No. Billing Address

6 SPECIAL INSTRUCTIONS: _____

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME R.W. Johnston + Son - by G. Dani

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? YES NO

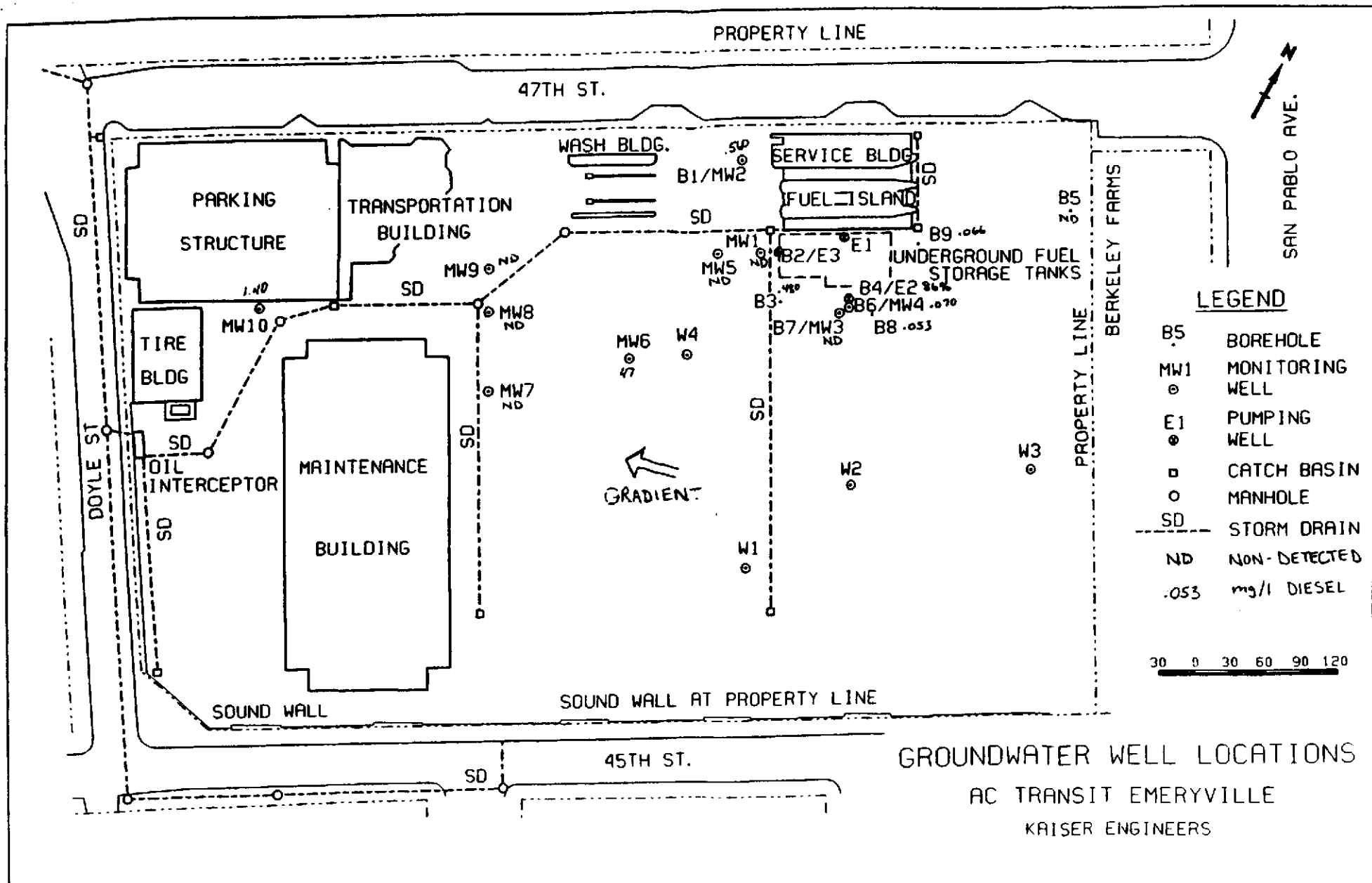
9 MAKE AND TYPE OF PUMP OR DISPENSERS Red Sacket Pumps

10 WEATHER Partly TEMPERATURE IN TANKS _____ °F _____ °C COVER OVER LINES Concrete APPROXIMATE BURIAL DEPTH 2 1/2 Feet
Concrete, Block Top, etc.

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE		15 VOLUME		16 TEST RESULTS	
			psi OR LPS		READING			
			BEFORE	AFTER	BEFORE	AFTER		NET CHANGE
diesel	0830		60	50	.091	.086	-.005	Lines are in AFAIR Good condition and are tight no loss per hour
line no 1	0845		60	52	.086	.083	-.003	
	0900		60	53	.083	.080	-.003	
	0915		60	55	.080	.080	-.000	
	0930		60	55	.080	.080	-.000	
	0945		60	55	.080	.079	-.001	
	1000		60	55	.079	.079	-.000	
	1015		60	60	.090	.090	-.000	
	1030		60	60	.090	.090	-.000	
	1045		60	60	.090	.090	-.000	

diesel	1315		60	49	.097	.075	-.022
we # 2	1330		60	50	.075	.057	-.018
	1345		60	50	.092	.077	-.015
	1400		60	50	.080	.066	-.014
	1415		60	51	.066	.056	-.010
	1430		60	52	.070	.058	-.012
	1445		60	55	.058	.052	-.006
	1500		60	58	.060	.056	-.004
	1515		60	59	.056	.053	-.003
	1530		60	60	.053	.055	+0.002
	1545		60	60	.065	.066	+0.001

.004 Gal-per Hour



GROUNDWATER WELL LOCATIONS
 AC TRANSIT EMERYVILLE
 KAISER ENGINEERS



Pacific Pipeline Survey

Post Office Box 1000, Vacaville, California 95696 (707) 446-0427

CLIENT: A. C. TRANSIT

DATE: APRIL 20, 1989 RUN NO: 1

PIPE SIZE: 15" PIPE TYPE: CEMENT

JOINT LENGTH: 8' APPROX MH DEPTH: 3'

STREET: _____ AREA: EMERYVILLE

DESCRIPTION: TELEWISE FROM CATCH BASIN #1
TO CATCH BASIN #2 - LOOKING FOR LEAK

OPERATOR: ROB MAGOWAN

TOTAL RUN: 370.0'

AIR TEST PRESSURE: _____ AIR TEST DURATION: _____

JOINTS TESTED: _____ JOINTS SEALED: _____

CHEMICALS USED: _____

PHOTOS TAKEN: _____ VIDEO TAPES: #1

PIPE CONDITION: FAIR

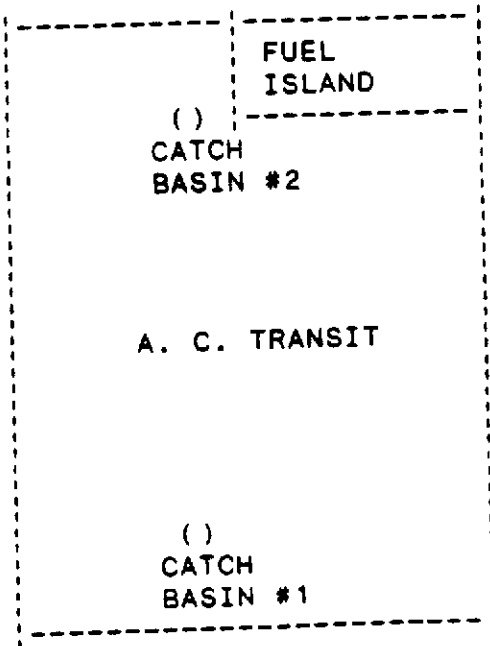
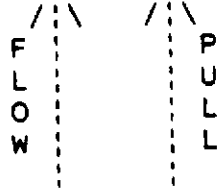
GRADE: GOOD

REMARKS: _____

C. OVERAA & CO.

APR 26 1989

RECEIVED





Pacific Pipeline Survey

Post Office Box 1000, Vacaville, California 95696 (707) 446-0427

CLIENT: A. C. TRANSIT

DATE: APRIL 20, 1989 RUN NO: 2

PIPE SIZE: 15" PIPE TYPE: CEMENT

JOINT LENGTH: 8' APPROX MH DEPTH: 3'

STREET: _____ AREA: EMERYVILLE

DESCRIPTION: TELEWISE AFTER LOCATING FUEL

INFILTRATION AND LOCATING WATER

INFILTRATION FROM C.B. #1 TO C.B. #2

OPERATOR: ROB MAGOWAN

TOTAL RUN: 370.0'

AIR TEST PRESSURE: _____ AIR TEST DURATION: _____

JOINTS TESTED: _____ JOINTS SEALED: _____

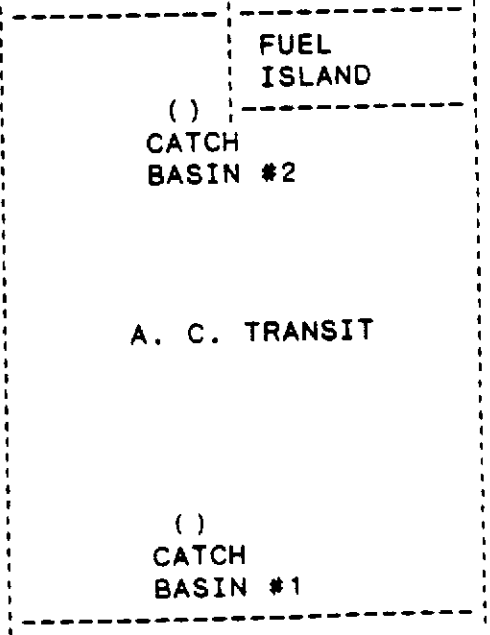
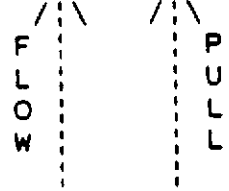
CHEMICALS USED: _____

PHOTOS TAKEN: _____ VIDEO TAPES: #1

PIPE CONDITION: FAIR

GRADE: GOOD

REMARKS: _____





Pacific Pipeline Survey

Post Office Box 1000, Vacaville, California 95696 (707) 446-0427

CLIENT: A. C. TRANSIT

DATE: APRIL 20, 1989 RUN NO: 3

PIPE SIZE: 15" PIPE TYPE: CEMENT

JOINT LENGTH: 8' APPROX MH DEPTH: 4'

STREET: _____ AREA: EMERYVILLE

DESCRIPTION: TELEWISE FROM CATCH BASIN #3

TO CATCH BASIN #2 LOOKING FOR FUEL

INFILTRATION

OPERATOR: ROB MAGOWAN

TOTAL RUN: 125.0'

AIR TEST PRESSURE: _____ AIR TEST DURATION: _____

JOINTS TESTED: _____ JOINTS SEALED: _____

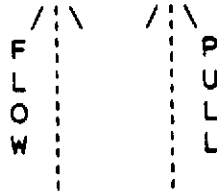
CHEMICALS USED: _____

PHOTOS TAKEN: _____ VIDEO TAPES: #1

PIPE CONDITION: GOOD

GRADE: GOOD

REMARKS: _____



CATCH ()
BASIN #2

F
U
E
L

I
S
L
A
N
D

CATCH ()
BASIN #3

Computation of Diesel Discharge Loss/Recapture

Estimated Release: The release is estimated as 16,000 gallons of diesel fuel. (This calculation is based on reports of fuel usage generated by AC Transit maintenance personnel. The average weekly usage from 2/3/89 to 4/4/89 was approximately 42,000 gallons while the weekly usage from 4/5/89 to 4/11/89 was approximately 58,000 gallons. It was determined that the average use computation was a more accurate indicator than fuel tank gauges).

Product Recapture: As of May 13, 1989, it was estimated that 13,300 gallons of diesel product have been recaptured as a result of AC Transit cleanup efforts. (This calculation is based on diesel product recovered by H & H, Erickson, Inc. and AC Transit personnel by deployment of oil absorbent booms and pads as well as through direct pumping of the oil interceptor and from the tank farm pea gravel).

Estimated Remaining On-Site Deposit: It is estimated that an additional 500 gallons of diesel product remain in the fuel island tank farm area and will be recovered through AC Transit's continuing pumping activity.

Quantity of Diesel Product Undetermined: A total of approximately 2800 gallons of diesel product are not accounted for based on the above computations. The Coast Guard has estimated that as much as 1,000 gallons may have escaped into the bay in spite of AC Transit's efforts to contain the offsite discharge of the diesel spill. It is believed that the quantity unaccounted for is well within the accuracy limits of the method of measurement. (For example, an increase of only 1 1/2% average diesel content of the product offhauled by H & H Environmental Services would account for the difference.)

STATUS OF AC TRANSIT EXPENDED AND PROJECTED
COST OF CLEAN UP TO DATE

1. Expended Cost to Date:

RWQCB Permit	\$ 2,000.00
EBMUD Permit	\$ 2,000.00
H & H	\$116,435.00
Kaiser Engineers & Subcontractors	\$170,975.00
Erickson, Inc.	\$ 57,700.00
Total	\$349,110.00

2. Projected Cost to Date:

Insurance Consulting Associates	\$ 593.20
Bentley Engineering Co.	\$ 6,000.00
Erickson, Inc.	\$ 18,000.00
Total	\$ 24,593.20

CROSS & CANTON, INC.
Environmental Management
 8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER BH-1 / MW-2

PROJECT KATSER ENGINEERS OWNER _____
 LOCATION A.C. TRANSIT PROJECT NUMBER 4381-S
 DATE DRILLED 4/19/89 TOTAL DEPTH OF HOLE 15'
 SURFACE ELEVATION _____ DEPTH TO WATER 11'
 SCREEN: DIA. 2" LENGTH 15' SLOT SIZE 0.02
 CASING: DIA. N/A LENGTH N/A TYPE PVC
 DRILLING COMPANY DATUM DRILL METHOD HSA
 DRILLER JIM LOG BY D. SADOFF

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	BLOW		
1								10" CONCRETE
2								GP AGGREGATE BACKFILL. NO HYDROCARBON ODOR.
3								GP RED SANDY GRAVEL. NO HYDROCARBON ODOR.
4								CL BLACK SILTY CLAY. NO HYDROCARBON ODOR.
5								
6								CL GRAY SILTY CLAY. NO HYDROCARBON ODOR.
7								
8								CL BROWN SANDY CLAY, STIFF, WITH RARE (5-10%) SUBROUNDED PEBBLES OF QUARTZ AND CHERT.
9								
10								
11								
12								
13								
14								
15								

GROUNDWATER AT 11:40



Environmental Management

8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER BH-3

PROJECT KAISER ENGINEERS OWNER _____
 LOCATION A.C. TRANSIT YARD/EMERYVILLE PROJECT NUMBER 438-S
 DATE DRILLED 4/19/89 TOTAL DEPTH OF HOLE 15'
 SURFACE ELEVATION _____ DEPTH TO WATER 11.7"
 SCREEN: DIA. 2" LENGTH 10' SLOT SIZE 0.02
 CASING: DIA. 2" LENGTH 5' TYPE BVC
 DRILLING COMPANY DATUM DRILL METHOD HSA
 DRILLER JIM LOG BY D. SADOFF

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	BLOW		
2								10" CONCRETE
3								GP AGGREGATE BASE. NO HYDROCARBON ODOR.
4								SM SILTY SAND. MODERATE HYDROCARBON (GASOLINE) ODOR.
5								
6								
7								CL SILTY OLIVE-GREEN CLAY, WITH ABUNDANT ANGULAR TO SUBANGULAR COARSE-GRAINED CLASTS. MEDIUM PLASTICITY. MODERATE HYDROCARBON (GASOLINE) ODOR.
8								
9								
10								CH BROWN SILTY CLAY. SLIGHT HYDROCARBON (GASOLINE) ODOR.
11								
12								
13								GROUNDWATER AT 08:50
14								
15								CH VERY MOIST "FAT" SILTY BROWN CLAY. NO HYDROCARBON ODOR



CROSBY & OVERTON, INC.

Environmental Management

8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER BH-8

PROJECT	<u>KAISER ENGINEERS</u>	OWNER	<u>A.C. TRANSIT</u>
LOCATION	<u>EMERYVILLE YARD</u>	PROJECT NUMBER	<u>4381-S</u>
DATE DRILLED	<u>4/20/89</u>	TOTAL DEPTH OF HOLE	<u>15'</u>
SURFACE ELEVATION		DEPTH TO WATER	<u>10' 5"</u>
SCREEN: DIA.	<u>2"</u>	LENGTH	<u>10'</u>
CASING: DIA.	<u>2"</u>	LENGTH	<u>5'</u>
DRILLING COMPANY	<u>DATUM</u>	DRILL METHOD	<u>HSA</u>
DRILLER	<u>JIM</u>	LOG BY	<u>D. SADOFF</u>
		SLOT SIZE	<u>0.02</u>
		TYPE	<u>PVC</u>

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	BLOW		
10"								10" CONCRETE
11"								GP AGGREGATE BASE BACKFILL. NO HYDROCARBON ODOR.
12"								CL BLACK SILTY CLAY. NO HYDROCARBON ODOR
13"								
14"								
15"								
16"								
17"								
18"								
19"								
20"								
21"								
22"								
23"								
24"								
25"								
26"								
27"								
28"								
29"								
30"								
31"								
32"								
33"								
34"								
35"								
36"								
37"								
38"								
39"								
40"								
41"								
42"								
43"								
44"								
45"								
46"								
47"								
48"								
49"								
50"								
51"								
52"								
53"								
54"								
55"								
56"								
57"								
58"								
59"								
60"								
61"								
62"								
63"								
64"								
65"								
66"								
67"								
68"								
69"								
70"								
71"								
72"								
73"								
74"								
75"								
76"								
77"								
78"								
79"								
80"								
81"								
82"								
83"								
84"								
85"								
86"								
87"								
88"								
89"								
90"								
91"								
92"								
93"								
94"								
95"								
96"								
97"								
98"								
99"								
100"								

GROUNDWATER AT 14:35



CROSBY & OVERTON, INC.

Environmental Management

8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER BH-9

PROJECT <u>KAISER ENGINEERS</u>	OWNER <u>A.C. TRANSIT</u>
LOCATION <u>EMERYVILLE YARD</u>	PROJECT NUMBER <u>4381-S</u>
DATE DRILLED <u>4/20/89</u>	TOTAL DEPTH OF HOLE <u>15'</u>
SURFACE ELEVATION _____	DEPTH TO WATER <u>11'0"</u>
SCREEN: DIA. <u>2"</u> LENGTH _____	SLOT SIZE <u>0.02</u>
CASING: DIA. <u>2"</u> LENGTH _____	TYPE <u>PVC</u>
DRILLING COMPANY <u>DATUM</u>	DRILL METHOD <u>HSA</u>
DRILLER <u>JIM</u>	LOG BY <u>D. SADOFF</u>

DEPTH FEET	WELL CONST		PID (PPAD)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	BLOW		
0								10" CONCRETE
1								GP AGGREGATE BASE BACILFILL, NO HYDROCARBON ODOR
2								CL BLACK SILTY CLAY, NO HYDROCARBON ODOR
3								CL GRAY SILTY CLAY, RARE (5%) SUBROUNDED TO SUBANGULAR QUARTZ AND CHERT PEBBLES. NO HYDROCARBON ODOR
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								GROUNDWATER AT 15:25



Environmental Management
 8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER MW-7

PROJECT KAISER ENGINEERS OWNER A.C. TRANSIT
 LOCATION EMERYVILLE YARD PROJECT NUMBER 4381-S
 DATE DRILLED 4/27/89 TOTAL DEPTH OF HOLE 25'
 SURFACE ELEVATION _____ DEPTH TO WATER 17'
 SCREEN: DIA. 2" LENGTH 7' SLOT SIZE 0.02
 CASING: DIA. 2" LENGTH 18' TYPE PVC
 DRILLING COMPANY DATUM DRILL METHOD HSA
 DRILLER JIM LOG BY D. SADOFF

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	FLOW		
1								10" CONCRETE
2								GP AGGREGATE BASE
3								HARD SUBSTRATA (BRICK?) 3-4' BELOW GROUND SURFACE NO HYDROCARBON ODOR.
4								
5				S-105				
6								CL BLACK SILTY CLAY. NO HYDROCARBON ODOR
7								
8								
9								
10				S-106				CL OLIVE-GREEN SILTY CLAY, VERY RARE SUBROUNDED PEBBLES. MODERATE GASOLINE HYDROCARBON ODOR.
11								CL BROWN SILTY CLAY, 5% SUBROUNDED PEBBLES (QUARTZ AND CHERT). MODERATE GASOLINE HYDROCARBON ODOR
12								
13								
14								
15				S-107				
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								CL SAME AS ABOVE.

GROUNDWATER AT 15:15



Environmental Management
 8430 Amelia Street
 Oakland, California 94621
 FAX (415) 633-0759
 (415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER MW-8

PROJECT KAISER ENGINEERS OWNER A. C. TRANSIT
 LOCATION EMERYVILLE YARD PROJECT NUMBER 1381-S
 DATE DRILLED 4/29/89 TOTAL DEPTH OF HOLE 20'
 SURFACE ELEVATION _____ DEPTH TO WATER 12'
 SCREEN: DIA. 2" LENGTH 10' SLOT SIZE 0.02
 CASING: DIA. 2" LENGTH 10' TYPE PVC
 DRILLING COMPANY DATUM DRILL METHOD HSA
 DRILLER JEM LOG BY D. SADOFF

DEPTH (FEET)	WELL CONST		PID (PPAD)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	BLOW		
0								10" CONCRETE
1								GP AGGREGATE BASE
2								
3								
4								
5								
6				S-108		6		CL OLIVE-GREEN SILTY CLAY, ABUNDANT IRON OXIDE STAINING. NO HYDROCARBON ODOR.
7						9		
8						10		
9								
10								
11				S-109		8		GROUNDWATER AT 11:15
12						9		
13						13		
14								
15								
16								
17								
18								
19								
20								CL SAME AS ABOVE



Environmental Management

8430 Amelia Street
Oakland, California 94621
FAX (415) 633-0759
(415) 633-0336 • (800) 821-0424

FIELD DRILL // LITHOLOGIC LOG

BORING/WELL NUMBER MW-9

PROJECT <u>KAISER ENGINEERS</u>	OWNER <u>A C TRANSIT</u>
LOCATION <u>EMERYVILLE YARD</u>	PROJECT NUMBER <u>4381-S</u>
DATE DRILLED <u>4/29/89</u>	TOTAL DEPTH OF HOLE <u>20'</u>
SURFACE ELEVATION <u> </u>	DEPTH TO WATER <u>12'</u>
SCREEN: DIA. <u>2"</u> LENGTH <u>10'</u>	SLOT SIZE <u>0.02</u>
CASING: DIA. <u>2"</u> LENGTH <u>10'</u>	TYPE <u>PVC</u>
DRILLING COMPANY <u>DATUM</u>	DRILL METHOD <u>HSA</u>
DRILLER <u>JIM</u>	LOG BY <u>D. SADOFF</u>

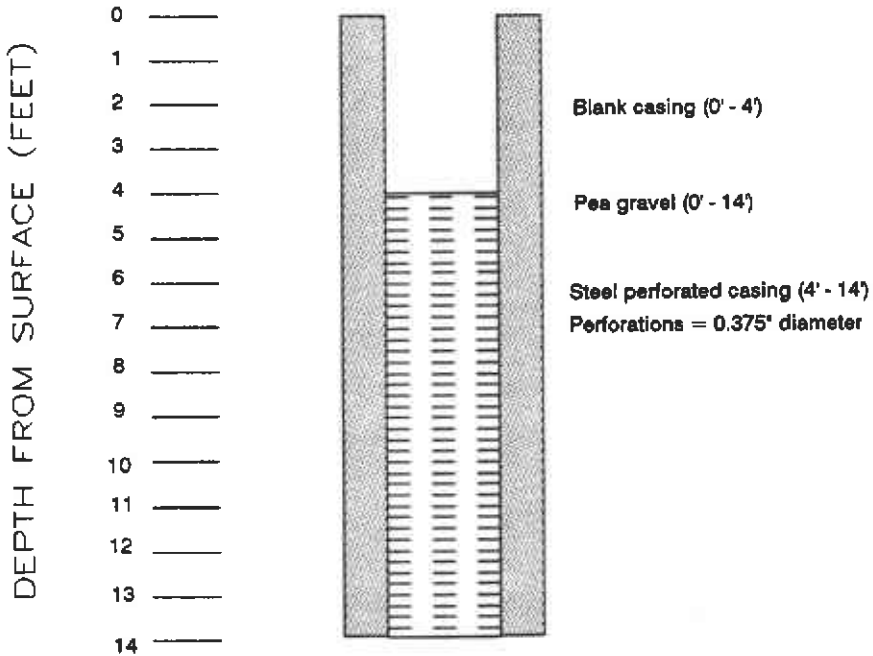
DEPTH FEET	WELL CONST		PID (PPM)	SAMPLES			GRAPHIC LOG	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	TYPE	BLOW		
10								10" CONCRETE
11								GP AGGREGATE BASE
5				S-110		5		CL BLACK SILTY CLAY. NO HYDROCARBON ODOR
6						8		
7						13		CL OLIVE-GREEN SILTY CLAY. ABUNDANT IRON OXIDE STAINING.
8								
9								
10				S-111		8		
11						11		
12						15		
13								----- GROUNDWATER AT 13:35
14								
15								
16								
17								
18								
19								
20								CL SAME AS ABOVE

WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. E-1

DATE DRILLED April 18, 1989 LOCATION EMERYVILLE

LOGGED BY KAISER ENGINEERS TOP OF CASING ELEVATION NA



Well casing I.D. = 3"
Note: Constructed in tank backfill

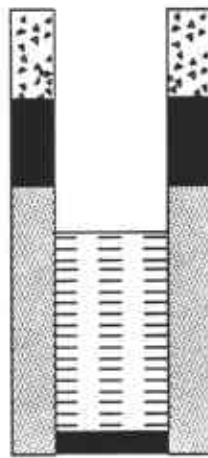
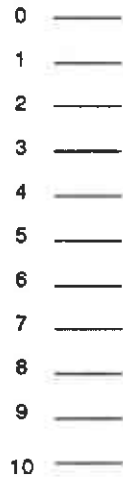
WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. BH-4/E-2

DATE DRILLED April 19, 1989 LOCATION EMERYVILLE

LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION NA

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 2')

Bentonite plug (2' - 4')

Slotted casing (5' - 10')
Slot width = 0.020"

Sand #3 (4' - 10')

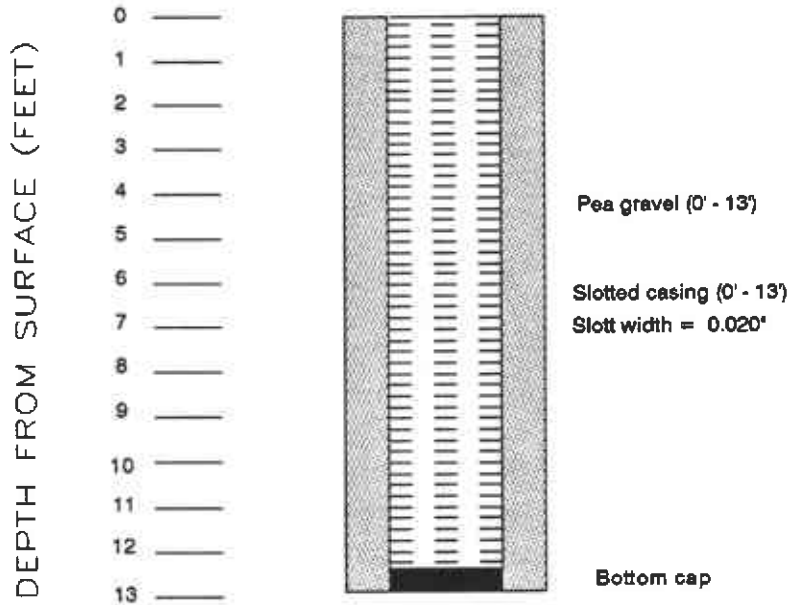
Bottom cap

Boring diameter = 8"

Well casing I.D. = 2"

WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. E-3
DATE DRILLED May 1, 1989 LOCATION EMERYVILLE
LOGGED BY KAISER ENGINEERS TOP OF CASING ELEVATION NA



Well casing I.D. = 2'

WELL CONSTRUCTION DIAGRAM

Page 1 / 1

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. BH-3,5,8,9
DATE DRILLED April 19, 1989 TO April 20, 1989 LOCATION EMERYVILLE
LOGGED BY KAISER ENGINEERS TOP OF CASING ELEVATION NA

The following bore holes were completed as temporary bore holes for sampling purpose. After sampling they were plugged and abandoned.

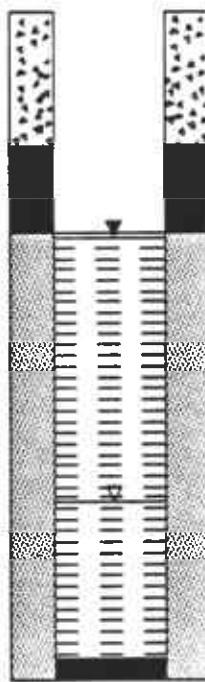
Bore Hole Identification	Depth	Casing Dia.	Slotted Interval	Slott Size
BH-3	15'	2"	5' - 15'	0.02'
BH-5	15'	2"	0' - 15'	0.02'
BH-8	15'	2"	5' - 15'	0.02'
BH-9	15'	2"	5' - 15'	0.02'

WELL CONSTRUCTION DIAGRAM

Page 1/1

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-1
DATE DRILLED April 19, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 32.56 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 3')

Bentonite plug (3' - 5')

Slotted casing (5' - 15')
Slot width = 0.020"

Sand #3 (5' - 15')

Bottom cap

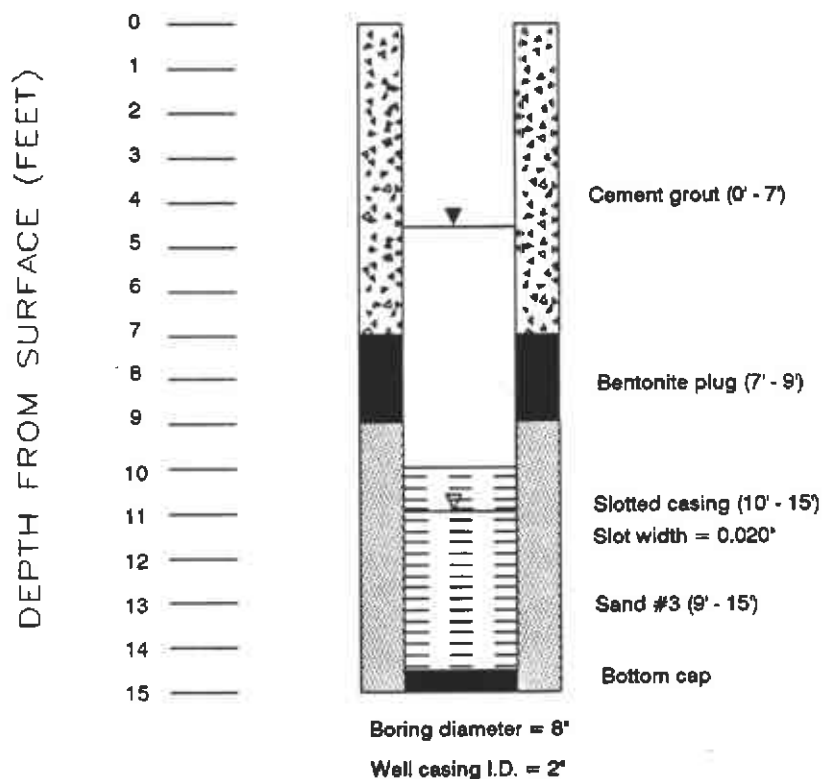
Boring diameter = 8'

Well casing I.D. = 2'

WELL CONSTRUCTION DIAGRAM

Page 1/1

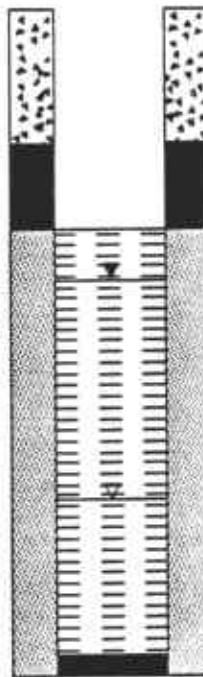
PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. BH-1/MW-2
DATE DRILLED April 19, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 32.12 FT ABOVE NGVD



WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. BH-7/MW-3
DATE DRILLED April 20, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 34.06 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 3')

Bentonite plug (3' - 5')

Slotted casing (5' - 15')
Slot width = 0.020"

Sand #3 (5' - 15')

Bottom cap

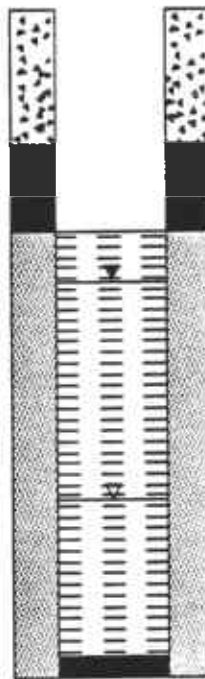
Boring diameter = 8"

Well casing I.D. = 2"

WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. BH-6/MW-4
DATE DRILLED April 20, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 34.11 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 3')

Bentonite plug (3' - 5')

Slotted casing (5' - 15')
Slot width = 0.020"

Sand #3 (5' - 15')

Bottom cap

Boring diameter = 8"

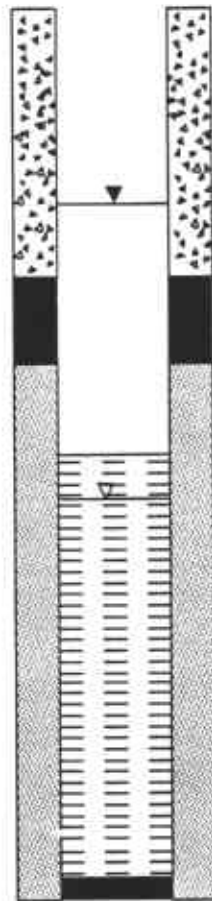
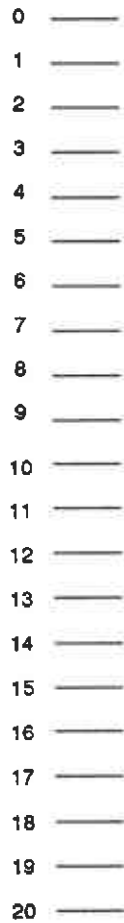
Well casing I.D. = 2"

WELL CONSTRUCTION DIAGRAM

Page 1/1

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-5
DATE DRILLED April 27, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 31.70 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 6')

Bentonite plug (6' - 8')

Slotted casing (10' - 20')
Slot width = 0.020"

Sand #3 (8' - 20')

Bottom cap

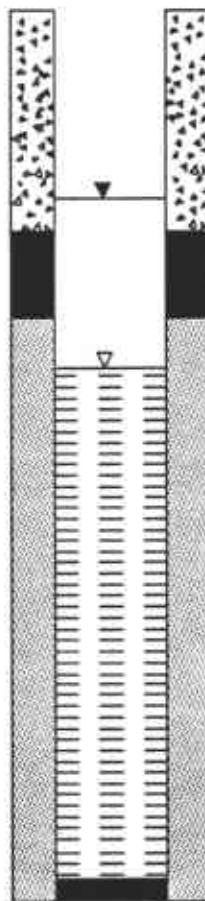
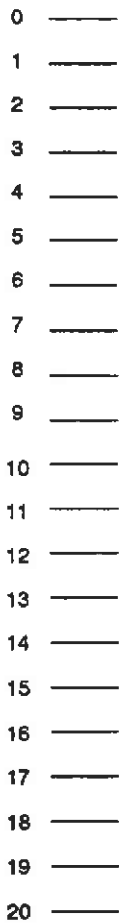
Boring diameter = 8"

Well casing I.D. = 2"

WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-6
DATE DRILLED April 27, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 31.02 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 5')

Bentonite plug (5' - 7')

Slotted casing (8' - 20')
Slot width = 0.020'

Sand #3 (7' - 20')

Bottom cap

Boring diameter = 8'

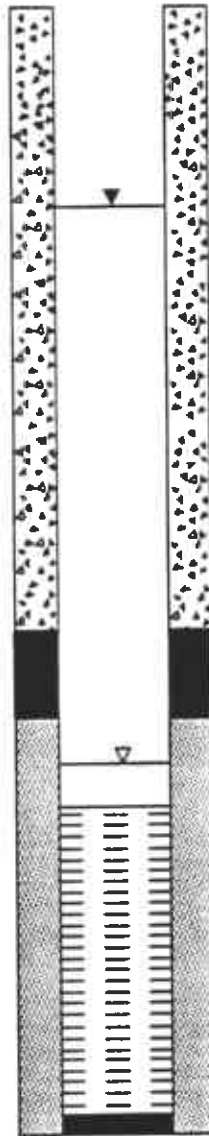
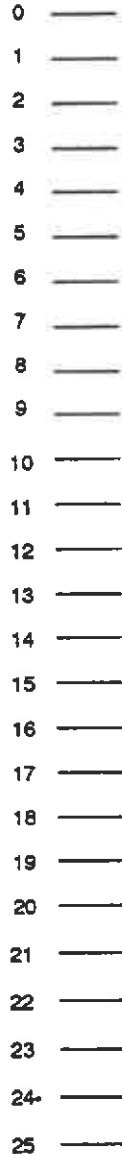
Well casing I.D. = 2'

WELL CONSTRUCTION DIAGRAM

Page 1 of 1

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-7
DATE DRILLED April 27, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 29.62 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 14')

Bentonite plug (14' - 16')

Slotted casing (16' - 25')
Slot width = 0.020"

Sand #3 (16' - 25')

Bottom cap

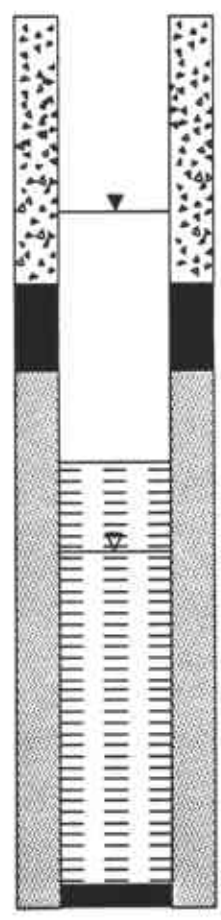
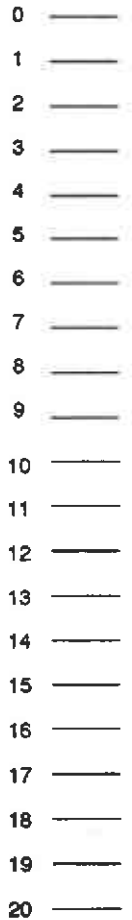
Boring diameter = 8"

Well casing I.D. = 2"

WELL CONSTRUCTION DIAGRAM

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-8
DATE DRILLED April 29, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 29.43 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)



Cement grout (0' - 6')

Bentonite plug (6' - 8')

Slotted casing (10' - 20')
Slot width = 0.020"

Sand #3 (8' - 20')

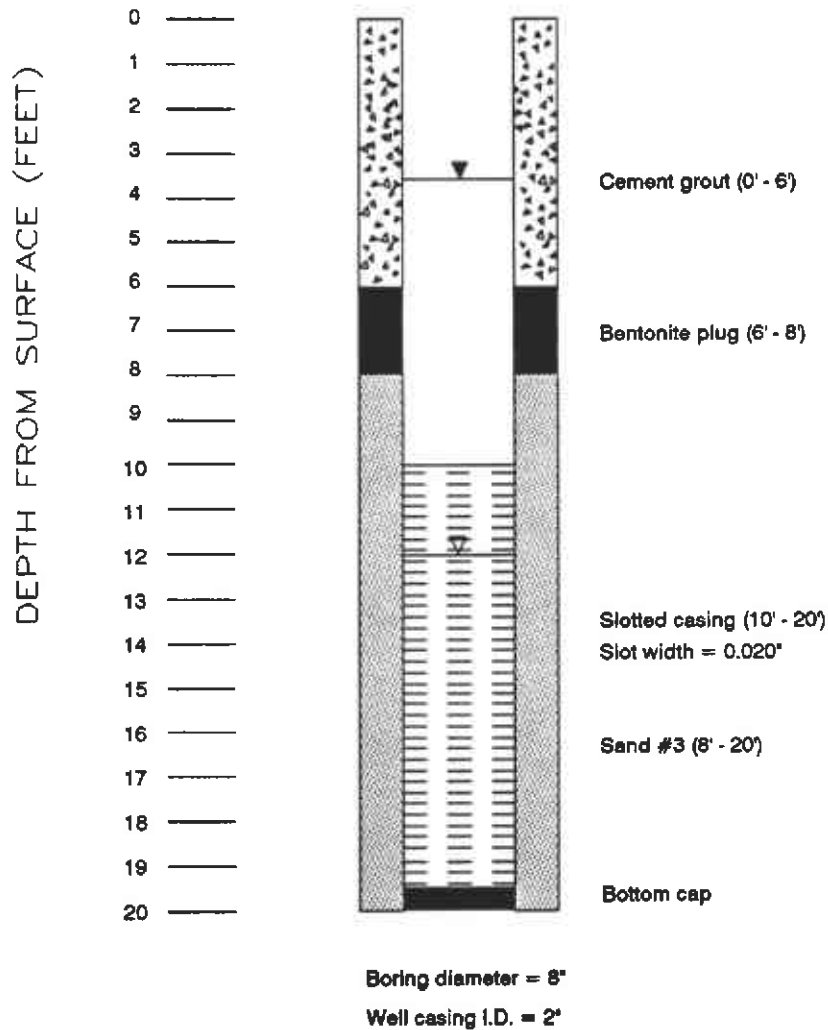
Bottom cap

Boring diameter = 8"
Well casing I.D. = 2"

WELL CONSTRUCTION DIAGRAM

Page 1/1

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-9
DATE DRILLED April 29, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 29.18 FT ABOVE NGVD



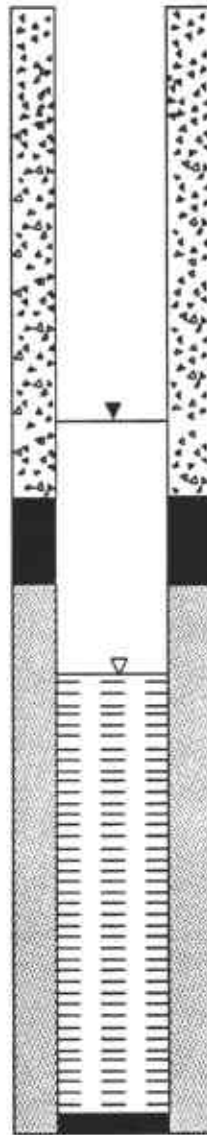
WELL CONSTRUCTION DIAGRAM

Page 1/1

PROJECT NO. 80097-828 CLIENT A.C. TRANSIT WELL NO. MW-10
DATE DRILLED April 29, 1989 LOCATION EMERYVILLE
LOGGED BY CROSBY & OVERTON TOP OF CASING ELEVATION 29.13 FT ABOVE NGVD

DEPTH FROM SURFACE (FEET)

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25



Cement grout (0' - 11')

Bentonite plug (11' - 13')

Slotted casing (15' - 25')

Slot width = 0.020"

Sand #3 (13' - 25')

Bottom cap

Boring diameter = 8'

Well casing I.D. = 2'

APPENDIX D

INVESTIGATIVE METHODS

Construction of groundwater monitoring wells and collection of soil and groundwater samples conform to the guidelines presented in the LUFT Manual (Ref. 8, Volume I). Temporary wells were plugged and abandoned according to Code.

D.1 SOIL SAMPLING

Soil samples were collected from Temescal Creek and the AC Transit site. Soil samples were collected from Temescal Creek in clean, 4-inch brass tubes by Crosby & Overton. The samples were preserved by sealing the ends of the tubes with aluminum foil, plastic caps, and adhesive tape and by placing the tubes in a cooler containing blue ice.

All boreholes located within the AC Transit yard (see Figure 3, Volume I) were installed by Datum Exploration, who were subcontracted by Crosby & Overton. The boreholes were advanced using a 6-inch outer diameter, continuous flight, hollow stem auger, driven by a B-61 truck-mounted drill rig.

Soil samples were collected from various depths (See Table 2, Volume I) of the boreholes with a 2-inch split-barrel sampler fitted with clean, 4-inch brass liners. Prior to retrieval of the soil samples, the split-barrel sampler was cleaned in a TSP solution. Once retrieved from designated depths, the soil samples were preserved by sealing the ends of the brass tubes with aluminum foil, plastic caps, and adhesive tape and by placing the samples in a cooler containing blue ice.

D.2 GROUNDWATER MONITORING WELL CONSTRUCTION AND DEVELOPMENT

Sixteen boreholes were drilled at the site to aid in determining the extent of free and dissolved diesel product in the subsurface. Ten of these were converted to monitoring wells (coded MW1 through MW10 on Figure 3, Volume I) and two to extraction wells (coded E2, E3). An additional extraction well, E1, was also installed (See Figure 3, Volume I, for locations). Four temporary wells constructed in boreholes B3, B5, B8, and B9, were properly plugged and abandoned after water samples had been obtained.

The 2-inch inside diameter (ID) groundwater monitoring wells were constructed by Datum Exploration. At each of the borehole locations (shown in Figure 3, Volume I), slotted PVC casing (0.020-inch) was installed to allow retrieval of a groundwater sample. Boreholes B1, B6, and B7 were converted into permanent monitoring wells, MW2, MW4, and MW3, respectively. Boreholes B3, B5, B8, and B9 were sealed with Portland cement containing bentonite powder following the retrieval of groundwater samples. Boreholes B2 and B4 were converted into extraction wells E3 and E2, respectively.

Groundwater monitoring wells MW1 through MW10 were constructed to depths of 15 to 25 feet, depending upon the depth at which groundwater was first encountered (see Appendix B). Each well was screened from the bottom of the well up to the depth at which groundwater was first encountered, in accordance with advice from Curtis Scott from RWQCB (personal communication). A PVC cap was placed at the bottom of the 2-inch ID PVC casing prior to well installation. A 2-inch blank PVC casing extends from the top of the screened casing to approximately 1 foot below grade.

A sand pack (Type 3 sand) was poured opposite the well screen until it extended to 1 foot above the screen. A 2-foot plug of bentonite pellets topped with Portland cement completed the annular seal. Christy boxes were set in Con-Mix to complete the well construction. PVC caps were installed to protect the wells from surface infiltration.

Groundwater monitoring wells MW1 through MW4, and the temporary wells placed in boreholes B3, B5, B8, and B9 were developed using either an H&H Ship Service's vacuum truck or Datum Exploration's truck-mounted pump. On April 19, 400 gallons of groundwater were extracted from MW1, MW2, B3, B4, and B5 with the vacuum truck (see H&H Manifest included at the end of this appendix). On April 20, approximately three well volumes each, as reported by Crosby & Overton, were extracted from MW3, MW4, B8 and B9 with the truck-mounted pump, prior to sampling each of the wells. The extracted groundwater was placed in sealed 55-gallon barrels.

Groundwater monitoring wells MW5 through MW10 were developed by Kaiser Engineers. The wells were developed using a Brainard-Kilman PVC hand pump. Prior to the development of each of the wells, the pump was cleaned with a TSP solution. From each of the wells, eight to ten well volumes were purged, or until the turbidity of the extracted groundwater decreased. Purged groundwater was placed in sealed 55-gallon barrels.

Well permits were not required for the installation of groundwater monitoring wells at the AC Transit, Emeryville Facility (March 9, 1989 letter written by William Burke of the City of Emeryville to Crosby & Overton).

D.3 GROUNDWATER SAMPLING

Groundwater samples were collected from each of the wells with a thoroughly cleansed, 3-foot teflon bailer attached to clean nylon string. As indicated above, monitoring wells MW1 through MW4 and the temporary wells were purged (April 19 and April 20) with either a vacuum truck or a truck-mounted pump prior to sampling. Prior to sampling of MW1, MW2, MW4, and MW5 (June 6) and MW5 through MW10 (May 2), six to ten well volumes were purged with the hand pump.

Water samples collected on April 19-20 by Crosby & Overton were placed in clean 950-ml wide-mouthed glass jars. Water samples collected by Kaiser Engineers were carefully poured in 40-ml teflon-lined septum glass VOA vials. Care was taken to assure that no air was trapped in

the VOA vials. Three VOA vials were collected from each well. Water samples were preserved in a cooler containing blue ice until they were collected by the laboratory.

D.4 CERTIFIED LABORATORY AND CHAIN OF CUSTODY PROCEDURES

Crosby & Overton contracted Anamatrix, Inc. of San Jose to analyze the soil samples collected from Temescal Creek (April 18) and from boreholes B1 through B9 and MW1 (April 19-20). Likewise, Anamatrix analyzed the surface water samples retrieved from the creek (April 18), the Doyle Street storm sewer (April 18), and the groundwater samples collected from monitoring wells MW1 through MW4 and the temporary wells placed in boreholes B3 through B5, B8, and B9 (April 19-20).

Kaiser Engineers contracted Superior Analytical of San Francisco to analyze the soil and groundwater samples collected from MW5 through MW10 (April 25, 27, and May 2). Subsequent samples collected from MW1, MW2, MW3, MW5, and E1 (June 6) were also analyzed by Superior.

Groundwater and soil samples were analyzed by the following EPA Methods:

- o Temescal Creek soils and surface water - 624/8240, 625/8270, 8080, 8015 (TPH as diesel)
- o MW1 through MW4, B1 through B9 soils and groundwater - 8015 (TPH as diesel)
- o MW5 through MW10 soils and groundwater - 8015 (TPH as gasoline and diesel), 602/8020 (BTEX)
- o Certified Analytical Results (CARs) are presented in Appendix E.

Chain of Custody forms were filed with the respective analytical laboratories for each soil and/or water and groundwater sample collected; copies are presented in this report in Appendix F.

D.5 GROUNDWATER MONITORING WELL TOPOGRAPHIC SURVEY

The tops of the casings of the groundwater monitoring wells were surveyed by a Kaiser Engineers' Resident Engineer on May 16, 1989. A bench mark was located on-site. Elevations were surveyed to National Geodetic Vertical Datum (NGVD).

4715

7981

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA 981389547** Manifest Document No. **GE-1108**

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

3. Generator's Name and Mailing Address
A.C. TRANSIT
1177 - 45th STREET, EMERYVILLE, CA 94605

A. State Manifest Document Number
87902468

4. Generator's Phone (415) **891-4432**

B. State Generator's ID
HSHQ367018635

5. Transporter 1 Company Name
UNION

C. State Transporter's ID
901905

6. US EPA ID Number
CA 904779

D. Transporter's Phone (415) **633-0336**

7. Transporter 2 Company Name

E. State Transporter's ID

8. US EPA ID Number

F. Transporter's Phone

9. Designated Facility Name and Site Address
H+H SHIP SERVICE
220 CHINA BASIN
SAN FRANCISCO, CA. 94107

G. State Facility's ID

10. US EPA ID Number
CA 904771168

H. Facility's Phone
(415) 543-0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
				State	EPA/Other
a. WASTE HAZARDOUS LIQUID, N.O.S. NA 9189 ORM-E	6	6	6	135	ICCPA EXEM
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
99% WATER
- 1% DIESEL

K. Handling Codes for Wastes Listed Above
 a. **01**
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
WEAR PROTECTIVE CLOTHING, EYE PROTECTION

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: **WILLIAM J. O'HAIR** Signature: *William J. O'Hair* Month Day Year: **1/4/1989**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **Kelly G. Drake** Signature: *Kelly G. Drake* Month Day Year: **10/4/1989**

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: **Cleveland Valley** Signature: *[Signature]* Month Day Year: **04/08/89**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

GENERATOR

TRANSPORTER

FACILITY

SUPERIOR ANALYTICAL LABORATORY, INC.

1385 FAIRFAX ST., STE D • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 50940
CLIENT: KAISER ENGINEERS
CLIENT JOB NO.: 80097-828

DATE RECEIVED: 06/07/89
DATE REPORTED: 06/14/89

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 8015

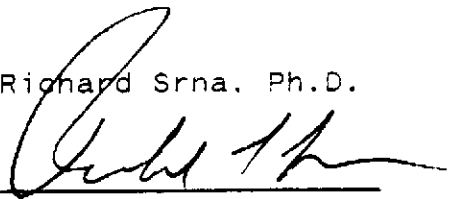
LAB #	Sample Identification	Concentration (mg/L) Diesel Range
1	MW-1	ND<1
2	MW-2	ND<1
3	MW-3	ND<1
4	MW-5	ND<1
5	E-1	140

Minimum Detection Limit for Diesel in Water: 1mg/L

QA/QC Summary:

Daily Standard run at 200mg/L: RPD Diesel = 4
MS/MSD Average Recovery = 83%: Duplicate RPD = 1

Richard Srna, Ph.D.



Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

SUPERIOR ANALYTICAL LABORATORY, INC.

1385 FAIRFAX ST., STE D • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 50835
CLIENT: KAISER ENGINEERS
CLIENT JOB NO.: 30097-828

DATE RECEIVED: 05/02/89
DATE REPORTED: 05/09/89

ANALYSIS FOR TOTAL PERTROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 8015
(Diesel by extraction, Gasoline by Purge and Trap)

LAB #	Sample Identification	Concentration (mg/L)	
		Gasoline Range	Diesel Range
1	MW-5; 5/2/89	1.9	ND<1
2	MW-6; 5/2/89	5000	47
3	MW-7; 5/2/89	1.3	ND<1
4	MW-8; 5/2/89	0.8	ND<1
5	MW-9; 5/2/89	ND<0.05	ND<1
6	MW-10; 5/2/89	12	1.4

mg/L - parts per million (ppm)

Minimum Detection Limit for Gasoline in Water: 0.05 mg/L
Minimum Detection Limit for Diesel in Water: 1 mg/L

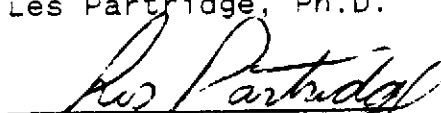
QAQC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = 4.
RPD Diesel = 5.

MS/MSD Average Recovery Gasoline = 98% Duplicate RPD = 1.

MS/MSD Average Recovery Diesel = 83% Duplicate RPD = 2.

Les Partridge, Ph.D.


Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

SUPERIOR ANALYTICAL LABORATORY, INC.

1385 FAIRFAX ST., STE D • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 50235
CLIENT: KAISER ENGINEERS
CLIENT JOB NO.: 80097-829

DATE RECEIVED: 05/02/89
DATE REPORTED: 05/09/89

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration (ug/L)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	MW-5; 5/2/89	ND<0.3	2.3	2.0	14
2	MW-6; 5/2/89	ND<1500	3800	6100	16000
3	MW-7; 5/2/89	16	0.5	3.2	1.2
4	MW-8; 5/2/89	ND<0.3	ND<0.3	1.7	0.7
5	MW-9; 5/2/89	ND<0.3	ND<0.3	ND<0.3	ND<0.3
6	MW-10; 5/2/89	4.0	7.6	17	68

ug/L - parts per billion (ppb)

Minimum Detection Limit in Water: 0.3ug/L

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15.
MS/MSD Average Recovery = 99%: Duplicate RPD = <2.

Les Partridge, Ph.D.


Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

: Crosby & Overton
: Environmental Management Inc.
: 8430 Amelia Street
: Oakland, CA 94621
: Dave Sadoff

Anamatrix W.O.#: 8904126
Date Received : 04/21/89
Purchase Order#: 6977
Project No. : 4381S
Date Released : 04/24/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
RESULTS							
126-01	MW-1	WATER	04/19/89	TPHd	04/21/89	04/21/89	N/A
126-02	BH-1	WATER	04/19/89	TPHd	04/21/89	04/21/89	N/A
126-03	BH-3	WATER	04/19/89	TPHd	04/21/89	04/21/89	N/A
126-04	BH-4	WATER	04/19/89	TPHd	04/21/89	04/22/89	N/A
126-05	BH-5	WATER	04/19/89	TPHd	04/21/89	04/22/89	N/A
126-06	BH-6	WATER	04/20/89	TPHd	04/21/89	04/22/89	N/A
126-07	BH-7	WATER	04/20/89	TPHd	04/21/89	04/24/89	N/A
126-08	BH-8	WATER	04/20/89	TPHd	04/21/89	04/22/89	N/A
126-09	BH-9	WATER	04/20/89	TPHd	04/21/89	04/22/89	N/A

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381S MW-1
 Matrix : WATER
 Sampled : 04/19/89
 anl.TPHg: N/A
 ext.TPHd: 04/21/89
 anl.TPHd: 04/21/89

Anamatrix I.D. : 8904126-01
 Analyst : MUX
 Supervisor : RJ
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	ND

- Below reporting limit.
- Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381S BH-1
 Matrix : WATER
 Date sampled : 04/19/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/21/89
 Date anl.TPHd: 04/21/89

Anamatrix I.D. : 8904126-02
 Analyst : MCT
 Supervisor : JFJ
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	560

- Below reporting limit.

- Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

I.D. : 4381S BH-3
 A : WATER
 Sampled : 04/19/89
 anl.TPHg: N/A
 ext.TPHd: 04/21/89
 anl.TPHd: 04/21/89

Anamatrix I.D. : 8904126-03
 Analyst : MCJ
 Supervisor : DJ
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	480

Below reporting limit.
 Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381S BH-4
 Matrix : WATER
 Date sampled : 04/19/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/21/89
 Date anl.TPHd: 04/22/89

Anamatrix I.D. : 8904126-04
 Analyst : MGT
 Supervisor : J
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	860000000

ND - Below reporting limit.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

I.D. : 4381S BH-5
 : WATER
 Sampled : 04/19/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/21/89
 Date anl.TPHd: 04/22/89

AnametriX I.D. : 8904126-05
 Analyst : MCT
 Supervisor : *[Signature]*
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	ND

Below reporting limit.

Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381S BH-6
 Matrix : WATER
 Date sampled : 04/20/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/21/89
 Date anl.TPHd: 04/22/89

Anamatrix I.D. : 8904126-06
 Analyst : MU
 Supervisor : DJ
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	70

- Below reporting limit.
- Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381S BH-7
 Matrix : WATER
 Date sampled : 04/20/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/21/89
 Date anl.TPHd: 04/24/89

Anamatrix I.D. : 8904126-07
 Analyst : MCT
 Supervisor : [Signature]
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

AS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	ND

- Below reporting limit.
- Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

APR 29 14:58 ANAMETRIX INC 408 432 8192

P.10

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

I.D. : 4381S BH-8
 : WATER
 Sampled : 04/20/89
 anl.TPHg: N/A
 ext.TPHd: 04/21/89
 anl.TPHd: 04/22/89

Anamatrix I.D. : 8904126-08
 Analyst : MJC
 Supervisor : DJF
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	53

- Below reporting limit.
- Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381S BH-9
 Matrix : WATER
 Date sampled : 04/20/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/21/89
 Date anl.TPHd: 04/22/89

Anamatrix I.D. : 8904126-09
 Analyst : MCF
 Supervisor : DJ
 Date released : 04/24/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

IAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	66

- ND - Below reporting limit.
- TPHs - Total Petroleum Hydrocarbons as diesel is determined by GC/FID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

SUPERIOR ANALYTICAL LABORATORY, INC.

1385 FAIRFAX ST., STE D • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 50834
CLIENT: KAISER ENGINEERS
CLIENT JOB NO.: 20097-928

DATE RECEIVED: 05/02/89
DATE REPORTED: 05/09/89

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration (ug/kg)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	MW-5 5'; 4/27/89; STA NO. 101	ND<3	ND<3	ND<3	ND<3
2	MW-5 10'; 4/27/89; STA NO. 102	ND<6	200	98	660
3	MW-6 5'; 4/27/89; STA NO. 103	45	670	1400	3100
4	MW-6 10'; 4/27/89; STA NO. 104	ND<15	200	200	540
5	MW-7 5'; 4/27/89; STA NO. 105	ND<3	81	18	110
6	MW-7 10'; 4/27/89; STA NO. 106	ND<3	28	20	68
7	MW-7 14'; 4/27/89; STA NO. 107	ND<3	ND<3	ND<3	ND<3
8	MW-8 5'; 4/29/89; STA NO. 108	ND<3	ND<3	ND<3	ND<3
9	MW-8 10'; 4/29/89; STA NO. 109	ND<3	ND<3	ND<3	ND<3
10	MW-9 5'; 4/29/89; STA NO. 110	ND<3	ND<3	ND<3	ND<3
11	MW-9 10.5'; 4/29/89; STA NO. 111	ND<3	ND<3	ND<3	ND<3
12	MW-10 5'; 4/29/89; STA NO. 112 *	ND<150	ND<15	ND<15	ND<15
13	MW-10 10'; 4/29/89; STA NO. 113	ND<3	270	180	650
14	MW-10 15'; 4/29/89; STA NO. 114	ND<3	ND<3	ND<3	ND<3

ug/kg - parts per billion (ppb)

Minimum Detection Limit in Soil: 3.0ug/kg
*high background, possibly sulfide

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15.
MS/MSD Average Recovery = 96%: Duplicate RPD = <5.


Les Partridge, Ph.D.

Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Crosby & Overton Inc.
Address : Environmental Management
 8430 Amelia Street
City : Oakland, CA 94621
Attn. : Dave Sadoff

Anametrix W.O.#: 8904127
Date Received : 04/21/89
Purchase Order#: 6977
Project No. : 4381-S
Date Released : 05/03/89

Anametrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
----------------	-------------	--------	--------------	--------	--------------	---------------	-----------

RESULTS

8904127-01	MW-1	SOIL	04/19/89	TPHd	05/01/89	05/02/89	N/A
8904127-02	BH-1	SOIL	04/19/89	TPHd	05/01/89	05/02/89	N/A
8904127-03	BH-2	SOIL	04/19/89	TPHd	05/01/89	05/03/89	N/A
8904127-04	BH-3	SOIL	04/19/89	TPHd	05/01/89	05/03/89	N/A
8904127-05	BH-4	SOIL	04/19/89	TPHd	05/01/89	05/02/89	N/A
8904127-06	BH-5	SOIL	04/19/89	TPHd	05/01/89	05/02/89	N/A
8904127-07	BH-7	SOIL	04/20/89	TPHd	05/01/89	05/02/89	N/A
8904127-08	BH-8	SOIL	04/20/89	TPHd	05/01/89	05/02/89	N/A
8904127-09	BH-9	SOIL	04/20/89	TPHd	05/01/89	05/02/89	N/A

RESULTS

8904127-01	MW-1	SOIL	04/19/89	SPIKE	05/01/89	05/02/89	N/A
------------	------	------	----------	-------	----------	----------	-----

SUPERIOR ANALYTICAL LABORATORY, INC.

1385 FAIRFAX ST., STE D • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 50834
CLIENT: KAISER ENGINEERS
CLIENT JOB NO.: 80097-828

DATE RECEIVED: 05/02/89
DATE REPORTED: 05/09/89

ANALYSIS FOR TOTAL PERTROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 8015

LAB #	Sample Identification	Concentration (mg/kg)	
		Gasoline Range	Diesel Range
1	MW-5 5'; 4/27/89; STA NO. 101	ND<1	ND<10
2	MW-5 10'; 4/27/89; STA NO. 102	260	20
3	MW-6 5'; 4/27/89; STA NO. 103	840	150
4	MW-6 10'; 4/27/89; STA NO. 104	210	110
5	MW-7 5'; 4/27/89; STA NO. 105	15	ND<10
6	MW-7 10'; 4/27/89; STA NO. 106	34	ND<10
7	MW-7 14'; 4/27/89; STA NO. 107	ND<1	ND<10
8	MW-8 5'; 4/29/89; STA NO. 108	ND<1	ND<10
9	MW-8 10'; 4/29/89; STA NO. 109	ND<1	ND<10
10	MW-9 5'; 4/29/89; STA NO. 110	ND<1	ND<10
11	MW-9 10.5'; 4/29/89; STA NO. 111	ND<1	ND<10
12	MW-10 5'; 4/29/89; STA NO. 112	ND<1	ND<10
13	MW-10 10'; 4/29/89; STA NO. 113	220	30
14	MW-10 15'; 4/29/89; STA NO. 114	ND<1	ND<10

mg/kg - parts per million (ppm)

Minimum Detection Limit for Gasoline in Soil: 1 mg/kg
Minimum Detection Limit for Diesel in Soil: 10 mg/kg

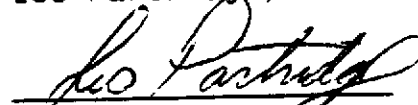
QAQC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = 1.

RPD Diesel = 5.

MS/MSD Average Gasoline Recovery = 94%; Duplicate RPD = 2.
MS/MSD Average Diesel Recovery = 83%; Duplicate RPD = 2.

Les Partridge, Ph.D.


Laboratory Manager

OUTSTANDING QUALITY AND SERVICE

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S MW-1
 Matrix : SOIL
 Date sampled : 04/19/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 05/01/89
 Date anl.TPHd: 05/02/89

Anamatrix I.D. : 8904127-01
 Analyst : MCT
 Supervisor : JAL
 Date released : 05/03/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

**ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192**

Sample I.D. : 4381-S BH-1
Matrix : SOIL
Date sampled : 04/19/89
Date anl.TPHg: N/A
Date ext.TPHd: 05/01/89
Date anl.TPHd: 05/02/89

Anametrix I.D. : 8904127-02
Analyst : MUF
Supervisor : MS
Date released : 05/03/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S BH-2
Matrix : SOIL
Date sampled : 04/19/89
Date anl.TPHg: N/A
Date ext.TPHd: 05/01/89
Date anl.TPHd: 05/03/89

Anamatrix I.D. : 8904127-03
Analyst : MCT
Supervisor : Jy
Date released : 05/03/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	13000000

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S BH-3
 Matrix : SOIL
 Date sampled : 04/19/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 05/01/89
 Date anl.TPHd: 05/03/89

Anametrix I.D. : 8904127-04
 Analyst : WCF
 Supervisor : JY
 Date released : 05/03/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	73000

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S BH-4
Matrix : SOIL
Date sampled : 04/19/89
Date anl.TPHg: N/A
Date ext.TPHd: 05/01/89
Date anl.TPHd: 05/02/89

Anamatrix I.D. : 8904127-05
Analyst : [Signature]
Supervisor : [Signature]
Date released : 05/03/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	700000

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S BH-5
Matrix : SOIL
Date sampled : 04/19/89
Date anl.TPHg: N/A
Date ext.TPHd: 05/01/89
Date anl.TPHd: 05/02/89

Anametrix I.D. : 8904127-06
Analyst : MCF
Supervisor : S
Date released : 05/03/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S BH-7
Matrix : SOIL
Date sampled : 04/20/89
Date anl.TPHg: N/A
Date ext.TPHd: 05/01/89
Date anl.TPHd: 05/02/89

Anametrix I.D. : 8904127-07
Analyst : M.C.
Supervisor : J.
Date released : 05/03/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

**ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192**

Sample I.D. : 4381-S BH-8
 Matrix : SOIL
 Date sampled : 04/20/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 05/01/89
 Date anl.TPHd: 05/02/89

Anamatrix I.D. : 8904127-08
 Analyst : MCT
 Supervisor : SJS
 Date released : 05/03/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S BH-9
Matrix : SOIL
Date sampled : 04/20/89
Date anl.TPHg: N/A
Date ext.TPHd: 05/01/89
Date anl.TPHd: 05/02/89

Anametrix I.D. : 8904127-09
Analyst : ^{PAUL}
Supervisor : ⁵⁴³
Date released : 05/03/89
Date ext. TOG : N/A
Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	ND

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

TOTAL EXTRACTABLE HYDROCARBON MATRIX SPIKE REPORT
EPA METHOD 3550 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S MW-1
 Matrix : SOIL
 Date sampled : 04-19-89
 Date extracted: 05-01-89
 Date analyzed : 05-02-89

Anamatrix I.D. : 8904127-01
 Analyst : MG
 Supervisor : DM
 Date Released : 05-03-89

COMPOUND	SPIKE AMT. (UG/Kg)	MS (UG/Kg)	%REC MS	MSD (UG/Kg)	%REC MSD	RPD	%REC LIMITS
Diesel	83000	70000	84%	68000	82%	-3%	50-150

* Limits established by Anamatrix, Inc.

ANAMETRIX INC

Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

RECEIVED

APR 24 1989

And.....

**REPORT**

Dave Sadoff
Crosby & Overton Inc.
Environmental Management
8430 Amelia Street
Oakland, CA 94621

April 20, 1989
Anamatrix W.O.#: 8904100
Date Received : 04/18/89
Purchase Order#: 6977
Site: Kaiser Engineers

Dear Mr. Sadoff:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS, EXTRA COMPOUNDS and QUALITY ASSURANCE.

NOTE: 1) Amounts reported are net values, i.e. corrected for method blank contamination.

2) The following footnotes are applicable to Methods 624/8240:

- * A Method 624 priority pollutant compound (Federal Register, 10/26/84)
- ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
- # An additional compound analyzed for by Anamatrix, Inc.
- ND: Not detected at or above the practical quantitation limit for the method.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

ANAMETRIX, INC.

Burt Sutherland
Laboratory Director

BWS/lm

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Crosby & Overton Inc.
Address : Environmental Management
 : 8430 Amelia Street
City : Oakland, CA 94621
Attn. : Dave Sadoff

Anamatrix W.O.#: 8904100
Date Received : 04/18/89
Purchase Order#: 6977
Project No. : 4381-S
Date Released : 04/20/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Extract	Date Analyzed	Date	Inst I.D.
----------------	-------------	--------	--------------	--------	---------	---------------	------	-----------

RESULTS

8904100-02	T-2	SOIL	04/18/89	8240			04/19/89	F3
8904100-04	T-4	SOIL	04/18/89	8240			04/19/89	F3
8904100-05	T-5	SOIL	04/18/89	8240			04/19/89	F3
8904100-06	T-4A	WATER	04/18/89	8240	04/18/89		04/19/89	F3
8904100-02	T-2	SOIL	04/18/89	8270	04/18/89		04/19/89	F2
8904100-04	T-4	SOIL	04/18/89	8270	04/18/89		04/19/89	F2
8904100-05	T-5	SOIL	04/18/89	8270	04/18/89		04/19/89	F2
8904100-06	T-4A	WATER	04/18/89	8270	04/18/89		04/19/89	F2

TENTATIVELY IDENTIFIED COMPOUNDS (Extra)

8904100-02	T-2	SOIL	04/18/89	XTRAS			04/19/89	F3
8904100-04	T-4	SOIL	04/18/89	XTRAS			04/19/89	F3
8904100-05	T-5	SOIL	04/18/89	XTRAS	04/18/89		04/19/89	F3
8904100-02	T-2	SOIL	04/18/89	XTRAS	04/18/89		04/19/89	F2
8904100-04	T-4	SOIL	04/18/89	XTRAS	04/18/89		04/19/89	F2
8904100-05	T-5	SOIL	04/18/89	XTRAS	04/18/89		04/19/89	F2
8904100-06	T-4A	WATER	04/18/89	XTRAS	04/18/89		04/19/89	F2

QUALITY ASSURANCE (QA)

3CB0419V00	METHOD BLANK	SOIL	N/A	8240			04/19/89	F3
3CB0418V01	METHOD BLANK	WATER	N/A	8240			04/18/89	F3
2CB0418C02	METHOD BLANK	SOIL	N/A	8270	04/18/89		04/19/89	F2
2CB0418C01	METHOD BLANK	WATER	N/A	8270	04/18/89		04/19/89	F2
8904100-02	T-2	SOIL	04/18/89	SPIKE			04/19/89	F3

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date sampled : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-02
 Analyst : LM
 Supervisor : PG
 Date released : 04/20/89
 Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	20	ND
67-64-1	**Acetone	5	ND
75-15-0	**Carbendisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	20	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	5	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	10	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	5	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	10	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	5	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene		
95-50-1	* 1,2-Dichlorobenzene		
	Surrogate Compounds	Limits	% Reco
CAS #	1,2-Dichloroethane-d4	73-130%	90%
17060-07-0	Toluene-d8	74-121%	91%
2037-26-5	p-Bromofluorobenzene	70-124%	94%
460-00-4			

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date sampled : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-04
 Analyst : WJ
 Supervisor : PG
 Date released : 04/20/89
 Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
		10	ND
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	5	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	20	100
67-64-1	**Acetone	5	ND
75-15-0	**Carbendisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	27
75-34-3	* 1,1-Dichloroethane	20	ND
78-93-3	**2-Butanone	5	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	10	ND
108-05-4	**Vinyl Acetate	5	ND
10061-02-6	* Trans-1,3-Dichloropropene	10	ND
108-10-1	**4-Methyl-2-Pentanone	5	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	10	ND
591-78-6	**2-Hexanone	5	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND
	Surrogate Compounds	Limits	% Recd
CAS #	1,2-Dichloroethane-d4	73-130%	92%
17060-07-0	Toluene-d8	74-121%	103%
2037-26-5	p-Bromofluorobenzene	70-124%	108%
460-00-4			

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date sampled : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-05
 Analyst : WJ
 Supervisor : PG
 Date released : 04/20/89
 Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
		10'	ND
		10	ND
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	5	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	20	42
67-64-1	**Acetone	5	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	20	ND
78-93-3	**2-Butanone	5	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	10	ND
108-05-4	**Vinyl Acetate	5	ND
10061-02-6	* Trans-1,3-Dichloropropene	10	ND
108-10-1	**4-Methyl-2-Pentanone	5	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	10	ND
591-78-6	**2-Hexanone	5	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND
		Limits	% Recove
CAS #	Surrogate Compounds	73-130%	91%
17060-07-0	1,2-Dichloroethane-d4	74-121%	95%
2037-26-5	Toluene-d8	70-124%	105%
460-00-4	p-Bromofluorobenzene		

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4A
 Matrix : WATER
 Date sampled : 04/18/89
 Date analyzed: 04/18/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-06
 Analyst : LM
 Supervisor : PG
 Date released : 04/20/89
 Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	20	ND
67-64-1	**Acetone	5	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	20	ND
78-93-3	**2-Butanone	5	ND
156-59-2	* Cis-1,2-Dichloroethene	5	6
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	10	ND
108-05-4	**Vinyl Acetate	5	ND
10061-02-6	* Trans-1,3-Dichloropropene	10	ND
108-10-1	**4-Methyl-2-Pentanone	5	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	10	ND
591-78-6	**2-Hexanone	5	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND
		Limits	% Recovered
CAS #	Surrogate Compounds	75-113%	88%
17060-07-0	1,2-Dichloroethane-d4	83-110%	103%
2037-26-5	Toluene-d8	82-114%	111%
460-00-4	p-Bromofluorobenzene		

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
Matrix : SOIL
Date sampled : 04/18/89
Date ext. : 04/18/89
Date analyzed: 04/19/89
Dilut. factor: NONE

Anamatrix I.D. : 8904100-02
Analyst : CP
Supervisor :
Date released : 04/20/89
Weight ext. : 30 g
Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
62-75-9	* N-Nitrosodimethylamine	330	ND
108-95-2	* Phenol	330	ND
62-53-3	**Aniline	330	ND
111-44-4	* bis(-2-Chloroethyl) Ether	330	ND
95-57-8	* 2-Chlorophenol	330	ND
541-73-1	* 1,3-Dichlorobenzene	330	ND
106-46-7	* 1,4-Dichlorobenzene	330	ND
100-51-6	**Benzyl Alcohol	330	ND
95-50-1	* 1,2-Dichlorobenzene	330	ND
95-48-7	**2-Methylphenol	330	ND
108-60-1	**bis(2-chloroisopropyl) Ether	330	ND
106-44-5	**4-Methylphenol	330	ND
621-64-7	* N-Nitroso-Di-n-Propylamine	330	ND
67-72-1	* Hexachloroethane	330	ND
98-95-3	* Nitrobenzene	330	ND
78-59-1	* Isophorone	330	ND
88-75-5	* 2-Nitrophenol	330	ND
105-67-9	* 2,4-Dimethylphenol	1600	ND
65-85-0	**Benzoic Acid	330	ND
111-91-1	* bis(-2-Chloroethoxy)Methane	330	ND
120-83-2	* 2,4-Dichlorophenol	330	ND
120-82-1	* 1,2,4-Trichlorobenzene	330	ND
91-20-3	* Naphthalene	330	ND
106-47-8	**4-Chloroaniline	330	ND
87-68-3	* Hexachlorobutadiene	330	ND
59-50-7	* 4-Chloro-3-Methylphenol	330	ND
91-57-6	**2-Methylnaphthalene	330	ND
77-47-4	* Hexachlorocyclopentadiene	330	ND
88-06-2	* 2,4,6-Trichlorophenol	1600	ND
95-95-4	**2,4,5-Trichlorophenol	330	ND
91-58-7	* 2-Chloronaphthalene	1600	ND
88-74-4	**2-Nitroaniline	330	ND
131-11-3	* Dimethyl Phthalate	330	ND
208-96-8	* Acenaphthylene	1600	ND
99-09-2	**3-Nitroaniline	330	ND
83-32-9	* Acenaphthene	1600	ND
51-28-5	* 2,4-Dinitrophenol	1600	ND
100-02-7	* 4-Nitrophenol	330	ND
132-64-9	**Dibenzofuran		

ND : Not detected at or above the practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-02
 Analyst : CP
 Supervisor : PG
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
121-14-2	* 2,4-Dinitrotoluene	330	ND
606-20-2	* 2,6-Dinitrotoluene	330	ND
84-66-2	* Diethylphthalate	330	ND
7005-72-3	* 4-Chlorophenyl-phenylether	330	ND
86-73-7	* Fluorene	330	ND
100-01-6	**4-Nitroaniline	1600	ND
534-52-1	**4,6-Dinitro-2-Methylphenol	1600	ND
86-30-6	* N-Nitrosodiphenylamine	330	ND
122-66-7	**Azobenzene	330	ND
101-55-3	* 4-Bromophenyl-phenylether	330	ND
118-74-1	* Hexachlorobenzene	330	ND
87-86-5	* Pentachlorophenol	1600	ND
85-01-8	* Phenanthrene	330	ND
120-12-7	* Anthracene	330	ND
84-74-2	* Di-n-Butylphthalate	330	ND
206-44-0	* Fluoranthene	330	ND
92-87-5	* Benzidine	1600	ND
129-00-0	* Pyrene	330	ND
85-68-7	* Butylbenzylphthalate	330	ND
91-94-1	* 3,3'-Dichlorobenzidine	660	ND
56-55-3	* Benzo(a)Anthracene	330	ND
117-81-7	* bis(2-Ethylhexyl)Phthalate	330	ND
218-01-9	* Chrysene	330	ND
117-84-0	* Di-n-Octyl Phthalate	330	ND
205-99-2	* Benzo(b)Fluoranthene	330	ND
207-08-9	* Benzo(k)Fluoranthene	330	ND
50-32-8	* Benzo(a)Pyrene	330	ND
193-39-5	* Indeno(1,2,3-cd)Pyrene	330	ND
53-70-3	* Dibenz(a,h)Anthracene	330	ND
191-24-2	* Benzo(g,h,i)Perylene	330	ND
CAS #	Surrogate Compounds	Limits	%Recovery
367-12-4	2-Fluorophenol	15-83%	38%
4165-62-2	Phenol-d6	18-92%	55%
4165-60-0	Nitrobenzene-d5	12-80%	49%
321-60-8	2-Fluorobiphenyl	16-100%	65%
118-79-6	2,4,6-Tribromophenol	15-135%	75%
1718-51-0	Terphenyl-d14	15-117%	76%

ND : Not detected at or above practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
 ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-04
 Analyst : CP
 Supervisor : PG
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
62-75-9	* N-Nitrosodimethylamine	330	ND
108-95-2	* Phenol	330	ND
62-53-3	**Aniline	330	ND
111-44-4	* bis(-2-Chloroethyl) Ether	330	ND
95-57-8	* 2-Chlorophenol	330	ND
541-73-1	* 1,3-Dichlorobenzene	330	ND
106-46-7	* 1,4-Dichlorobenzene	330	ND
100-51-6	**Benzyl Alcohol	330	ND
95-50-1	* 1,2-Dichlorobenzene	330	ND
95-48-7	**2-Methylphenol	330	ND
108-60-1	**bis(2-chloroisopropyl) Ether	330	ND
106-44-5	**4-Methylphenol	330	ND
621-64-7	* N-Nitroso-Di-n-Propylamine	330	ND
67-72-1	* Hexachloroethane	330	ND
98-95-3	* Nitrobenzene	330	ND
78-59-1	* Isophorone	330	ND
88-75-5	* 2-Nitrophenol	330	ND
105-67-9	* 2,4-Dimethylphenol	330	ND
65-85-0	**Benzoic Acid	1600	ND
111-91-1	* bis(-2-Chloroethoxy)Methane	330	ND
120-83-2	* 2,4-Dichlorophenol	330	ND
120-82-1	* 1,2,4-Trichlorobenzene	330	ND
91-20-3	* Naphthalene	330	ND
106-47-8	**4-Chloroaniline	330	ND
87-68-3	* Hexachlorobutadiene	330	ND
59-50-7	* 4-Chloro-3-Methylphenol	330	ND
91-57-6	**2-Methylnaphthalene	330	ND
77-47-4	* Hexachlorocyclopentadiene	330	ND
88-06-2	* 2,4,6-Trichlorophenol	1600	ND
95-95-4	**2,4,5-Trichlorophenol	330	ND
91-58-7	* 2-Chloronaphthalene	1600	ND
88-74-4	**2-Nitroaniline	330	ND
131-11-3	* Dimethyl Phthalate	330	ND
208-96-8	* Acenaphthylene	1600	ND
99-09-2	**3-Nitroaniline	330	ND
83-32-9	* Acenaphthene	1600	ND
51-28-5	* 2,4-Dinitrophenol	1600	ND
100-02-7	* 4-Nitrophenol	330	ND
132-64-9	**Dibenzofuran		

ND : Not detected at or above the practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
 ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
Matrix : SOIL
Date sampled : 04/18/89
Date ext. : 04/18/89
Date analyzed: 04/19/89
Dilut. factor: NONE

Anametrix I.D. : 8904100-04
Analyst : CP
Supervisor : PG
Date released : 04/20/89
Weight ext. : 30 g
Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
121-14-2	* 2,4-Dinitrotoluene	330	ND
606-20-2	* 2,6-Dinitrotoluene	330	ND
84-66-2	* Diethylphthalate	330	1700
7005-72-3	* 4-Chlorophenyl-phenylether	330	ND
86-73-7	* Fluorene	330	ND
100-01-6	**4-Nitroaniline	1600	ND
534-52-1	**4,6-Dinitro-2-Methylphenol	1600	ND
86-30-6	* N-Nitrosodiphenylamine	330	ND
122-66-7	**Azobenzene	330	ND
101-55-3	* 4-Bromophenyl-phenylether	330	ND
118-74-1	* Hexachlorobenzene	330	ND
87-86-5	* Pentachlorophenol	1600	ND
85-01-8	* Phenanthrene	330	560
120-12-7	* Anthracene	330	ND
84-74-2	* Di-n-Butylphthalate	330	450
206-44-0	* Fluoranthene	330	580
92-87-5	* Benzidine	1600	ND
129-00-0	* Pyrene	330	740
85-68-7	* Butylbenzylphthalate	330	ND
91-94-1	* 3,3'-Dichlorobenzidine	660	ND
56-55-3	* Benzo(a)Anthracene	330	ND
117-81-7	* bis(2-Ethylhexyl) Phthalate	330	ND
218-01-9	* Chrysene	330	450
117-84-0	* Di-n-Octyl Phthalate	330	ND
205-99-2	* Benzo(b)Fluoranthene	330	ND
207-08-9	* Benzo(k)Fluoranthene	330	ND
50-32-8	* Benzo(a)Pyrene	330	ND
193-39-5	* Indeno(1,2,3-cd)Pyrene	330	ND
53-70-3	* Dibenz(a,h)Anthracene	330	ND
191-24-2	* Benzo(g,h,i)Perylene	330	ND
CAS #	Surrogate Compounds	Limits	%Recovery
367-12-4	2-Fluorophenol	15-83%	28%
4165-62-2	Phenol-d6	18-92%	45%
4165-60-0	Nitrobenzene-d5	12-80%	45%
321-60-8	2-Fluorobiphenyl	16-100%	49%
118-79-6	2,4,6-Tribromophenol	15-135%	60%
1718-51-0	Terphenyl-d14	15-117%	52%

ND : Not detected at or above practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).

** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-05
 Analyst : CP
 Supervisor : PG
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
62-75-9	* N-Nitrosodimethylamine	330	ND
108-95-2	* Phenol	330	ND
62-53-3	**Aniline	330	ND
111-44-4	* bis(-2-Chloroethyl) Ether	330	ND
95-57-8	* 2-Chlorophenol	330	ND
541-73-1	* 1,3-Dichlorobenzene	330	ND
106-46-7	* 1,4-Dichlorobenzene	330	ND
100-51-6	**Benzyl Alcohol	330	ND
95-50-1	* 1,2-Dichlorobenzene	330	ND
95-48-7	**2-Methylphenol	330	ND
108-60-1	**bis(2-chloroisopropyl) Ether	330	ND
106-44-5	**4-Methylphenol	330	ND
621-64-7	* N-Nitroso-Di-n-Propylamine	330	ND
67-72-1	* Hexachloroethane	330	ND
98-95-3	* Nitrobenzene	330	ND
78-59-1	* Isophorone	330	ND
88-75-5	* 2-Nitrophenol	330	ND
105-67-9	* 2,4-Dimethylphenol	330	ND
65-85-0	**Benzoic Acid	1600	ND
111-91-1	* bis(-2-Chloroethoxy)Methane	330	ND
120-83-2	* 2,4-Dichlorophenol	330	ND
120-82-1	* 1,2,4-Trichlorobenzene	330	ND
91-20-3	* Naphthalene	330	ND
106-47-8	**4-Chloroaniline	330	ND
87-68-3	* Hexachlorobutadiene	330	ND
59-50-7	* 4-Chloro-3-Methylphenol	330	ND
91-57-6	**2-Methylnaphthalene	330	ND
77-47-4	* Hexachlorocyclopentadiene	330	ND
88-06-2	* 2,4,6-Trichlorophenol	1600	ND
95-95-4	**2,4,5-Trichlorophenol	330	ND
91-58-7	* 2-Chloronaphthalene	1600	ND
88-74-4	**2-Nitroaniline	330	ND
131-11-3	* Dimethyl Phthalate	330	ND
208-96-8	* Acenaphthylene	1600	ND
99-09-2	**3-Nitroaniline	330	ND
83-32-9	* Acenaphthene	1600	ND
51-28-5	* 2,4-Dinitrophenol	1600	ND
100-02-7	* 4-Nitrophenol	330	ND
132-64-9	**Dibenzofuran		

ND : Not detected at or above the practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
 ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
Matrix : SOIL
Date sampled : 04/18/89
Date ext. : 04/18/89
Date analyzed: 04/19/89
Dilut. factor: NONE

Anamatrix I.D. : 8904100-05
Analyst : CP
Supervisor : PG
Date released : 04/20/89
Weight ext. : 30 g
Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
121-14-2	* 2,4-Dinitrotoluene	330	ND
606-20-2	* 2,6-Dinitrotoluene	330	ND
84-66-2	* Diethylphthalate	330	ND
7005-72-3	* 4-Chlorophenyl-phenylether	330	ND
86-73-7	* Fluorene	330	ND
100-01-6	**4-Nitroaniline	1600	ND
534-52-1	**4,6-Dinitro-2-Methylphenol	1600	ND
86-30-6	* N-Nitrosodiphenylamine	330	ND
122-66-7	**Azobenzene	330	ND
101-55-3	* 4-Bromophenyl-phenylether	330	ND
118-74-1	* Hexachlorobenzene	330	ND
87-86-5	* Pentachlorophenol	1600	ND
85-01-8	* Phenanthrene	330	490
120-12-7	* Anthracene	330	ND
84-74-2	* Di-n-Butylphthalate	330	380
206-44-0	* Fluoranthene	330	840
92-87-5	* Benzidine	1600	ND
129-00-0	* Pyrene	330	990
85-68-7	* Butylbenzylphthalate	330	460
91-94-1	* 3,3'-Dichlorobenzidine	660	ND
56-55-3	* Benzo(a)Anthracene	330	ND
117-81-7	* bis(2-Ethylhexyl) Phthalate	330	5300
218-01-9	* Chrysene	330	600
117-84-0	* Di-n-Octyl Phthalate	330	ND
205-99-2	* Benzo(b)Fluoranthene	330	ND
207-08-9	* Benzo(k)Fluoranthene	330	ND
50-32-8	* Benzo(a)Pyrene	330	ND
193-39-5	* Indeno(1,2,3-cd)Pyrene	330	ND
53-70-3	* Dibenz(a,h)Anthracene	330	ND
191-24-2	* Benzo(g,h,i)Perylene	330	ND
CAS #	Surrogate Compounds	Limits	%Recovery
367-12-4	2-Fluorophenol	15-83%	64%
4165-62-2	Phenol-d6	18-92%	76%
4165-60-0	Nitrobenzene-d5	12-80%	72%
321-60-8	2-Fluorobiphenyl	16-100%	78%
118-79-6	2,4,6-Tribromophenol	15-135%	84%
1718-51-0	Terphenyl-d14	15-117%	85%

ND : Not detected at or above practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).

** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4A
Matrix : WATER
Date sampled : 04/18/89
Date ext. : 04/18/89
Date analyzed: 04/19/89
Dilut. factor: NONE

Anamatrix I.D. : 8904100-06
Analyst : CP
Supervisor : PG
Date released : 04/20/89
Volume ext. : 890 ml
Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
62-75-9	* N-Nitrosodimethylamine	10	ND
108-95-2	* Phenol	10	ND
62-53-3	**Aniline	10	ND
111-44-4	* bis(-2-Chloroethyl) Ether	10	ND
95-57-8	* 2-Chlorophenol	10	ND
541-73-1	* 1,3-Dichlorobenzene	10	ND
106-46-7	* 1,4-Dichlorobenzene	10	ND
100-51-6	**Benzyl Alcohol	10	ND
95-50-1	* 1,2-Dichlorobenzene	10	ND
95-48-7	**2-Methylphenol	10	ND
108-60-1	**bis(2-chloroisopropyl) Ether	10	ND
106-44-5	**4-Methylphenol	10	ND
621-64-7	* N-Nitroso-Di-n-Propylamine	10	ND
67-72-1	* Hexachloroethane	10	ND
98-95-3	* Nitrobenzene	10	ND
78-59-1	* Isophorone	10	ND
88-75-5	* 2-Nitrophenol	10	ND
105-67-9	* 2,4-Dimethylphenol	10	ND
65-85-0	**Benzoic Acid	50	ND
111-91-1	* bis(-2-Chloroethoxy)Methane	10	ND
120-83-2	* 2,4-Dichlorophenol	10	ND
120-82-1	* 1,2,4-Trichlorobenzene	10	ND
91-20-3	* Naphthalene	10	ND
106-47-8	**4-Chloroaniline	10	ND
87-68-3	* Hexachlorobutadiene	10	ND
59-50-7	* 4-Chloro-3-Methylphenol	10	ND
91-57-6	**2-Methylnaphthalene	10	ND
77-47-4	* Hexachlorocyclopentadiene	10	ND
88-06-2	* 2,4,6-Trichlorophenol	10	ND
95-95-4	**2,4,5-Trichlorophenol	50	ND
91-58-7	* 2-Chloronaphthalene	10	ND
88-74-4	**2-Nitroaniline	50	ND
131-11-3	* Dimethyl Phthalate	10	ND
208-96-8	* Acenaphthylene	10	ND
99-09-2	**3-Nitroaniline	50	ND
83-32-9	* Acenaphthene	10	ND
51-28-5	* 2,4-Dinitrophenol	50	ND
100-02-7	* 4-Nitrophenol	50	ND
132-64-9	**Dibenzofuran	10	ND

ND : Not detected at or above the practical quantitation limit for the method.

- * A 625 approved compound (Federal Register, 10/26/84).
- ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4A
 Matrix : WATER
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 8904100-06
 Analyst : CP
 Supervisor : PG
 Date released : 04/20/89
 Volume ext. : 890 ml
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
121-14-2	* 2,4-Dinitrotoluene	10	ND
606-20-2	* 2,6-Dinitrotoluene	10	ND
84-66-2	* Diethylphthalate	10	ND
7005-72-3	* 4-Chlorophenyl-phenylether	10	ND
86-73-7	* Fluorene	10	ND
100-01-6	**4-Nitroaniline	50	ND
534-52-1	**4,6-Dinitro-2-Methylphenol	50	ND
86-30-6	* N-Nitrosodiphenylamine	10	ND
122-66-7	**Azobenzene	10	ND
101-55-3	* 4-Bromophenyl-phenylether	10	ND
118-74-1	* Hexachlorobenzene	10	ND
87-86-5	* Pentachlorophenol	50	ND
85-01-8	* Phenanthrene	10	10
120-12-7	* Anthracene	10	ND
84-74-2	* Di-n-Butylphthalate	10	ND
206-44-0	* Fluoranthene	10	ND
92-87-5	* Benzidine	50	ND
129-00-0	* Pyrene	10	ND
85-68-7	* Butylbenzylphthalate	10	ND
91-94-1	* 3,3'-Dichlorobenzidine	20	ND
56-55-3	* Benzo(a)Anthracene	10	ND
117-81-7	* bis(2-Ethylhexyl) Phthalate	10	ND
218-01-9	* Chrysene	10	ND
117-84-0	* Di-n-Octyl Phthalate	10	ND
205-99-2	* Benzo(b)Fluoranthene	10	ND
207-08-9	* Benzo(k)Fluoranthene	10	ND
50-32-8	* Benzo(a)Pyrene	10	ND
193-39-5	* Indeno(1,2,3-cd)Pyrene	10	ND
53-70-3	* Dibenz(a,h)Anthracene	10	ND
191-24-2	* Benzo(g,h,i)Perylene	10	ND
CAS #	Surrogate Compounds	Limits	%Recovery
367-12-4	2-Fluorophenol	11-70%	73%
4165-62-2	Phenol-d6	10-62%	53%
4165-60-0	Nitrobenzene-d5	20-105%	85%
321-60-8	2-Fluorobiphenyl	26-110%	88%
118-79-6	2,4,6-Tribromophenol	26-154%	86%
1718-51-0	Terphenyl-d14	16-131%	88%

ND : Not detected at or above the practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
 ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANICS ANALYSIS DATA SHEET - 624/8240 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date Sampled : 04/18/89
 Analyzed VOA : 04/19/89
 Dilution VOA : NONE

Anamatrix I.D. : 8904100-02
 Analyst : WM
 Supervisor : PG
 Date Released : 04/20/89

	CAS #	Scan#	Volatile Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
1	620-14-4	918	1-ethyl-3-methylbenzene	5	<5
2		969	unknown hydrocarbon	5	<5
3		1010	unknown	5	<5
4		1034	unknown	5	<5
5		1058	unknown	5	<5
6				5	
7				5	
8				5	
9				5	
10				5	
11				5	
12				5	
13				5	
14				5	
15				5	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANICS ANALYSIS DATA SHEET - 624/8240 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date Sampled : 04/18/89
 Analyzed VOA : 04/19/89
 Dilution VOA : NONE

Anamatrix I.D. : 8904100-04
 Analyst : WM
 Supervisor : PG
 Date Released : 04/20/89

	CAS #	Scan#	Volatile Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
1	62016-14-2	847	2,5,6-trimethyloctane	5	100
2		893	unknown	5	40
3	62108-25-2	914	2,6,7-trimethyldecane	5	120
4	62238-14-6	946	2,3,8-trimethyldecane	5	90
5	16747-25-4	973	2,2,3,4-tetramethylpentane	5	70
6				5	
7				5	
8				5	
9				5	
10				5	
11				5	
12				5	
13				5	
14				5	
15				5	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANICS ANALYSIS DATA SHEET - 624/8240 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date Sampled : 04/18/89
 Analyzed VOA : 04/19/89
 Dilution VOA : NONE

Anamatrix I.D. : 8904100-05
 Analyst : JM
 Supervisor : PG
 Date Released : 04/20/89

	CAS #	Scan#	Volatile Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
1	4032-93-3	828	2,3,6-trimethylheptane	5	10
2		892	unknown hydrocarbon	5	20
3		913	unknown hydrocarbon	5	20
4	62238-14-6	945	2,3,8-trimethyldecane	5	20
5	16747-25-4	971	2,2,3,4-tetramethylpentane	5	
6				5	
7				5	
8				5	
9				5	
10				5	
11				5	
12				5	
13			5		
14			5		
15					

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANICS ANALYSIS DATA SHEET - 625/8270 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date Sampled : 04/18/89
 Analyzed SV : 04/19/89
 Dilution SV : NONE

Anamatrix I.D. : 8904100-02
 Analyst : CL
 Supervisor : PG
 Date Released : 04/20/89

CAS #	Scan#	Semivolatile Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
	941	unknown hydrocarbon	330	460
1	975	unknown hydrocarbon	330	980
2	992	unknown	330	<330
3	1067	unknown hydrocarbon	330	1300
4	1089	unknown	330	740
	1137	unknown hydrocarbon	330	1200
5	1244	hexadecane	330	430
6	1280	2,5-dimethylundecane	330	590
7	1322	unknown hydrocarbon	330	1300
8	1386	unknown hydrocarbon	330	500
9			330	
10			330	
11			330	
12			330	
13			330	
14			330	
15			330	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANICS ANALYSIS DATA SHEET - 625/8270 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date Sampled : 04/18/89
 Analyzed SV : 04/19/89
 Dilution SV : NONE

Anametrix I.D. : 8904100-04
 Analyst : CP
 Supervisor : PG
 Date Released : 04/20/89

CAS #	Scan#	Semivolatile Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
	740	unknown hydrocarbon	330	3800
	770	unknown hydrocarbon	330	3700
	784	unknown hydrocarbon	330	2400
	879	unknown	330	2000
	921	unknown hydrocarbon	330	2900
62016-34-6	976	2,3,7-trimethyloctane	330	3700
	1069	unknown hydrocarbon	330	4400
	1139	unknown hydrocarbon	330	4700
54932-78-4	1261	4-(2,2,3,3-tetramethylbutyl)phenol	330	3100
54105-67-8	1322	2,6-dimethylheptadecane	330	2600
			330	
			330	
			330	
			330	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANICS ANALYSIS DATA SHEET - 625/8270 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date Sampled : 04/18/89
 Analyzed SV : 04/19/89
 Dilution SV : NONE

Anamatrix I.D. : 8904100-05
 Analyst : CP
 Supervisor : PG
 Date Released : 04/20/89

CAS #	Scan#	Semivolatle Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
17302-28-2	723	2,6-dimethylnonane	330	1400
	741	unknown hydrocarbon	330	2100
	762	unknown hydrocarbon	330	1400
21368-68-3	865	1,7,7-trimethylbicyclo[2.2.1] heptan 2-one	330	1500
	975	unknown hydrocarbon	330	1100
544-76-3	1245	hexadecane	330	1400
54932-78-4	1261	4(2,2,3,3-tetramethylbutyl)phenol	330	3800
629-78-7	1317	heptadecane	330	1500
54105-67-8	1323	2,6-dimethylheptadecane	330	2600
	1394	unknown hydrocarbon	330	1500
			330	
			330	
			330	
			330	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANICS ANALYSIS DATA SHEET - 625/8270 TENTATIVELY IDENTIFIED COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4A
 Matrix : WATER
 Date Sampled : 04/18/89
 Analyzed SV : 04/19/89
 Dilution SV : NONE

Anamatrix I.D. : 8904100-06
 Analyst : *CP*
 Supervisor : *PG*
 Date Released : 04/20/89

	CAS #	Scan#	Semivolatile Fraction Compound Name	Det. Limit ppb	Amt. Found ppb
1	1120-21-4	805	undecane	330	3800
2	112-40-3	905	dodecane	330	3000
3		974	unknown hydrocarbon	330	1900
4		998	unknown hydrocarbon	330	3500
5		1066	unknown hydrocarbon	330	2500
6		1085	unknown hydrocarbon	330	4400
7		1137	unknown hydrocarbon	330	3200
8		1167	unknown hydrocarbon	330	630
9	544-76-3	1244	hexadecane	330	4400
10	1921-70-6	1322	2,6,10,14-tetramethylpentadecane	330	4500
11				330	
12				330	
13				330	
14				330	
15				330	

Tentatively identified compounds are significant chromatographic peaks (TICs) other than priority pollutants. TIC spectra are compared with entries in the National Bureau of Standards mass spectral library. Identification is made by following US EPA guidelines and acceptance criteria. TICs are quantitated by using the area of the nearest internal standard and assuming a response factor of one (1). Values calculated are ESTIMATES ONLY.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : SOIL
 Date sampled : N/A
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.P. : 3CB0419V00
 Analyst : WJ
 Supervisor : PG
 Date released : 04/20/89
 Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbondisulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND
CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	73-130%	91%
2037-26-5	Toluene-d8	74-121%	98%
460-00-4	p-Bromofluorobenzene	70-124%	97%

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : WATER
Date sampled : N/A
Date analyzed: 04/18/89
Dilut. factor: NONE

Anamatrix I.D. : 3CB0418V01
Analyst : LM
Supervisor : PC
Date released : 04/20/89
Instrument ID : F3

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
75-01-4	* Vinyl Chloride	10	ND
74-83-9	* Bromomethane	10	ND
75-00-3	* Chloroethane	10	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
67-64-1	**Acetone	20	ND
75-15-0	**Carbonyl disulfide	5	ND
75-09-2	* Methylene Chloride	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
78-93-3	**2-Butanone	20	ND
156-59-2	* Cis-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
71-43-2	* Benzene	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
79-01-6	* Trichloroethene	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
75-27-4	* Bromodichloromethane	5	ND
110-75-8	* 2-Chloroethylvinylether	5	ND
108-05-4	**Vinyl Acetate	10	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
108-10-1	**4-Methyl-2-Pentanone	10	ND
108-88-3	* Toluene	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
127-18-4	* Tetrachloroethene	5	ND
591-78-6	**2-Hexanone	10	ND
124-48-1	* Dibromochloromethane	5	ND
108-90-7	* Chlorobenzene	5	ND
100-41-4	* Ethylbenzene	5	ND
1330-20-7	**Total Xylenes	5	ND
100-42-5	**Styrene	5	ND
75-25-2	* Bromoform	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
541-73-1	* 1,3-Dichlorobenzene	5	ND
106-46-7	* 1,4-Dichlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	5	ND
CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	75-113%	84%
2037-26-5	Toluene-d8	83-110%	98%
460-00-4	p-Bromofluorobenzene	82-114%	96%

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : SOIL
 Date sampled : N/A
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 2CB0418C02
 Analyst : CK
 Supervisor : PG
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
62-75-9	* N-Nitrosodimethylamine	330	ND
108-95-2	* Phenol	330	ND
62-53-3	**Aniline	330	ND
111-44-4	* bis(-2-Chloroethyl) Ether	330	ND
95-57-8	* 2-Chlorophenol	330	ND
541-73-1	* 1,3-Dichlorobenzene	330	ND
106-46-7	* 1,4-Dichlorobenzene	330	ND
100-51-6	**Benzyl Alcohol	330	ND
95-50-1	* 1,2-Dichlorobenzene	330	ND
95-48-7	**2-Methylphenol	330	ND
108-60-1	**bis(2-chloroisopropyl) Ether	330	ND
106-44-5	**4-Methylphenol	330	ND
621-64-7	* N-Nitroso-Di-n-Propylamine	330	ND
67-72-1	* Hexachloroethane	330	ND
98-95-3	* Nitrobenzene	330	ND
78-59-1	* Isophorone	330	ND
88-75-5	* 2-Nitrophenol	330	ND
105-67-9	* 2,4-Dimethylphenol	330	ND
65-85-0	**Benzoic Acid	1600	ND
111-91-1	* bis(-2-Chloroethoxy)Methane	330	ND
120-83-2	* 2,4-Dichlorophenol	330	ND
120-82-1	* 1,2,4-Trichlorobenzene	330	ND
91-20-3	* Naphthalene	330	ND
106-47-8	**4-Chloroaniline	330	ND
87-68-3	* Hexachlorobutadiene	330	ND
59-50-7	* 4-Chloro-3-Methylphenol	330	ND
91-57-6	**2-Methylnaphthalene	330	ND
77-47-4	* Hexachlorocyclopentadiene	330	ND
88-06-2	* 2,4,6-Trichlorophenol	330	ND
95-95-4	**2,4,5-Trichlorophenol	1600	ND
91-58-7	* 2-Chloronaphthalene	330	ND
88-74-4	**2-Nitroaniline	1600	ND
131-11-3	* Dimethyl Phthalate	330	ND
208-96-8	* Acenaphthylene	330	ND
99-09-2	**3-Nitroaniline	1600	ND
83-32-9	* Acenaphthene	330	ND
51-28-5	* 2,4-Dinitrophenol	1600	ND
100-02-7	* 4-Nitrophenol	1600	ND
132-64-9	**Dibenzofuran	330	ND

ND : Not detected at or above the practical quantitation limit for the method.

- * A 625 approved compound (Federal Register, 10/26/84).
- ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : SOIL
 Date sampled : N/A
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 2CB0418C02
 Analyst : CR
 Supervisor : PG
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
121-14-2	* 2,4-Dinitrotoluene	330	ND
606-20-2	* 2,6-Dinitrotoluene	330	ND
84-66-2	* Diethylphthalate	330	ND
7005-72-3	* 4-Chlorophenyl-phenylether	330	ND
86-73-7	* Fluorene	330	ND
100-01-6	**4-Nitroaniline	1600	ND
534-52-1	**4,6-Dinitro-2-Methylphenol	1600	ND
86-30-6	* N-Nitrosodiphenylamine	330	ND
122-66-7	**Azobenzene	330	ND
101-55-3	* 4-Bromophenyl-phenylether	330	ND
118-74-1	* Hexachlorobenzene	330	ND
87-86-5	* Pentachlorophenol	1600	ND
85-01-8	* Phenanthrene	330	ND
120-12-7	* Anthracene	330	ND
84-74-2	* Di-n-Butylphthalate	330	ND
206-44-0	* Fluoranthene	330	ND
92-87-5	* Benzidine	1600	ND
129-00-0	* Pyrene	330	ND
85-68-7	* Butylbenzylphthalate	330	ND
91-94-1	* 3,3'-Dichlorobenzidine	660	ND
56-55-3	* Benzo(a)Anthracene	330	ND
117-81-7	* bis(2-Ethylhexyl) Phthalate	330	ND
218-01-9	* Chrysene	330	ND
117-84-0	* Di-n-Octyl Phthalate	330	ND
205-99-2	* Benzo(b)Fluoranthene	330	ND
207-08-9	* Benzo(k)Fluoranthene	330	ND
50-32-8	* Benzo(a)Pyrene	330	ND
193-39-5	* Indeno(1,2,3-cd)Pyrene	330	ND
53-70-3	* Dibenz(a,h)Anthracene	330	ND
191-24-2	* Benzo(g,h,i)Perylene	330	ND
CAS #	Surrogate Compounds	Limits	%Recovery
367-12-4	2-Fluorophenol	15-83%	28%
4165-62-2	Phenol-d6	18-92%	36%
4165-60-0	Nitrobenzene-d5	12-80%	30%
321-60-8	2-Fluorobiphenyl	16-100%	33%
118-79-6	2,4,6-Tribromophenol	15-135%	47%
1718-51-0	Terphenyl-d14	15-117%	77%

ND : Not detected at or above practical quantitation limit for the method.

- * A 625 approved compound (Federal Register, 10/26/84).
- ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : WATER
 Date sampled : N/A
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 2CB0418C01
 Analyst : *U*
 Supervisor : *PG*
 Date released : 04/20/89
 Volume ext. : 1 LITER
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
62-75-9	* N-Nitrosodimethylamine	10	ND
108-95-2	* Phenol	10	ND
62-53-3	**Aniline	10	ND
111-44-4	* bis(-2-Chloroethyl) Ether	10	ND
95-57-8	* 2-Chlorophenol	10	ND
541-73-1	* 1,3-Dichlorobenzene	10	ND
106-46-7	* 1,4-Dichlorobenzene	10	ND
100-51-6	**Benzyl Alcohol	10	ND
95-50-1	* 1,2-Dichlorobenzene	10	ND
95-48-7	**2-Methylphenol	10	ND
108-60-1	**bis(2-chloroisopropyl) Ether	10	ND
106-44-5	**4-Methylphenol	10	ND
621-64-7	* N-Nitroso-Di-n-Propylamine	10	ND
67-72-1	* Hexachloroethane	10	ND
98-95-3	* Nitrobenzene	10	ND
78-59-1	* Isophorone	10	ND
88-75-5	* 2-Nitrophenol	10	ND
105-67-9	* 2,4-Dimethylphenol	10	ND
65-85-0	**Benzoic Acid	50	ND
111-91-1	* bis(-2-Chloroethoxy) Methane	10	ND
120-83-2	* 2,4-Dichlorophenol	10	ND
120-82-1	* 1,2,4-Trichlorobenzene	10	ND
91-20-3	* Naphthalene	10	ND
106-47-8	**4-Chloroaniline	10	ND
87-68-3	* Hexachlorobutadiene	10	ND
59-50-7	* 4-Chloro-3-Methylphenol	10	ND
91-57-6	**2-Methylnaphthalene	10	ND
77-47-4	* Hexachlorocyclopentadiene	10	ND
88-06-2	* 2,4,6-Trichlorophenol	10	ND
95-95-4	**2,4,5-Trichlorophenol	50	ND
91-58-7	* 2-Chloronaphthalene	10	ND
88-74-4	**2-Nitroaniline	50	ND
131-11-3	* Dimethyl Phthalate	10	ND
208-96-8	* Acenaphthylene	10	ND
99-09-2	**3-Nitroaniline	50	ND
83-32-9	* Acenaphthene	10	ND
51-28-5	* 2,4-Dinitrophenol	50	ND
100-02-7	* 4-Nitrophenol	50	ND
132-64-9	**Dibenzofuran	10	ND

ND : Not detected at or above the practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
 ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : WATER
 Date sampled : N/A
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilut. factor: NONE

Anamatrix I.D. : 2CB0418C01
 Analyst : *CP*
 Supervisor : *PG*
 Date released : 04/20/89
 Volume ext. : 1 LITER
 Instrument ID : F2

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
121-14-2	* 2,4-Dinitrotoluene	10	ND
606-20-2	* 2,6-Dinitrotoluene	10	ND
84-66-2	* Diethylphthalate	10	ND
7005-72-3	* 4-Chlorophenyl-phenylether	10	ND
86-73-7	* Fluorene	10	ND
100-01-6	**4-Nitroaniline	50	ND
534-52-1	**4,6-Dinitro-2-Methylphenol	50	ND
86-30-6	* N-Nitrosodiphenylamine	10	ND
122-66-7	**Azobenzene	10	ND
101-55-3	* 4-Bromophenyl-phenylether	10	ND
118-74-1	* Hexachlorobenzene	10	ND
87-86-5	* Pentachlorophenol	50	ND
85-01-8	* Phenanthrene	10	ND
120-12-7	* Anthracene	10	ND
84-74-2	* Di-n-Butylphthalate	10	ND
206-44-0	* Fluoranthene	10	ND
92-87-5	* Benzidine	50	ND
129-00-0	* Pyrene	10	ND
85-68-7	* Butylbenzylphthalate	10	ND
91-94-1	* 3,3'-Dichlorobenzidine	20	ND
56-55-3	* Benzo(a)Anthracene	10	ND
117-81-7	* bis(2-Ethylhexyl)Phthalate	10	ND
218-01-9	* Chrysene	10	ND
117-84-0	* Di-n-Octyl Phthalate	10	ND
205-99-2	* Benzo(b)Fluoranthene	10	ND
207-08-9	* Benzo(k)Fluoranthene	10	ND
50-32-8	* Benzo(a)Pyrene	10	ND
193-39-5	* Indeno(1,2,3-cd)Pyrene	10	ND
53-70-3	* Dibenz(a,h)Anthracene	10	ND
191-24-2	* Benzo(g,h,i)Perylene	10	ND
CAS #	Surrogate Compounds	Limits	%Recovery
367-12-4	2-Fluorophenol	11-70%	51%
4165-62-2	Phenol-d6	10-62%	37%
4165-60-0	Nitrobenzene-d5	20-105%	71%
321-60-8	2-Fluorobiphenyl	26-110%	72%
118-79-6	2,4,6-Tribromophenol	26-154%	78%
1718-51-0	Terphenyl-d14	16-131%	93%

ND : Not detected at or above the practical quantitation limit for the method.

* A 625 approved compound (Federal Register, 10/26/84).
 ** A compound on the U.S. EPA CLP Hazardous Substance List (HSL).

CLP VOLATILE MATRIX SPIKE REPORT -- EPA METHOD 8240
 ANAMETRIX, INC. (408) 629-1132

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date sampled : 04/18/89
 Date analyzed : 04/19/89

Anamatrix I.D. : 8904100-02
 Analyst : LM
 Supervisor : PG
 Date released : 04/20/89
 Instrument I.D. : F3

COMPOUND	SPIKE AMT. (UG/KG)	8904100 MS (UG/KG)	%REC MS	8904100 MSD (UG/KG)	%REC MSD	RPD	%REC LIMITS*
1,1-DICHLOROETHENE	50	67	134%	66	132%	-2%	37-155%
PEREON 113	50	76	152%	72	144%	-5%	48-161%
METHYLENE CHLORIDE	50	63	126%	64	128%	2%	46-141%
CHLOROFORM	50	52	104%	54	108%	-15%	68-126%
1,1,1-TRICHLOROETHANE	50	50	100%	53	106%	2%	57-149%
BENZENE	50	54	108%	55	110%	10%	64-134%
1,2-DICHLOROETHANE	50	47	94%	49	98%	-10%	49-128%
TRICHLOROETHENE	50	52	104%	51	102%	8%	60-110%
4-METHYL-2-PENTANONE	50	47	94%	47	94%	-10%	35-147%
TOLUENE	50	54	108%	54	108%	14%	67-134%
TETRACHLOROETHENE	50	54	108%	50	100%	-8%	70-130%
CHLOROBENZENE	50	47	94%	50	100%	-8%	70-131%
1,2-DICHLOROBENZENE	50	46	92%	47	94%	0%	63-130%

* Limits established by Anamatrix, Inc.

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192

Client : Crosby & Overton Inc.
Address : Environmental Management
8430 Amelia Street
City : Oakland, CA 94621
Attn. : Dave Sadoff

Anamatrix W.O.#: 0904100
Date Received : 04/18/89
Purchase Order#: 6977
Project No. : 4381-S
Date Released : 04/20/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
----------------	-------------	--------	--------------	--------	--------------	---------------	-----------

RESULTS

8904100-02	T-2	SOIL	04/18/89	8080	04/18/89	04/19/89	HP5
8904100-04	T-4	SOIL	04/18/89	8080	04/18/89	04/19/89	HP5
8904100-05	T-5	SOIL	04/18/89	8080	04/18/89	04/19/89	HP5
8904100-06	T-4A	WATER	04/18/89	8080	04/18/89	04/19/89	HP5
8904100-01	T-1	SOIL	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-02	T-2	SOIL	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-03	T-3	SOIL	04/18/89	TPH	04/18/89	04/18/89	N/A
8904100-04	T-4	SOIL	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-05	T-5	SOIL	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-06	T-4A	WATER	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-07	D-1	WATER	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-08	D-2	WATER	04/18/89	TPH	04/18/89	04/19/89	N/A
8904100-09	D-3	WATER	04/18/89	TPH	04/18/89	04/19/89	N/A

QUALITY ASSURANCE (QA)

PSBL041889	METHOD BLANK	SOIL	N/A	8080	04/18/89	04/19/89	HP5
PWBL041889	METHOD BLANK	WATER	N/A	8080	04/18/89	04/19/89	HP5

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 608/8080
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilution : NONE

Anamatrix I.D. : 8904100-02
 Analyst : MCF
 Supervisor : SJS
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : HP5

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
1104-28-2	Aroclor 1221	80	ND
11141-16-5	Aroclor 1232	80	ND
53469-21-9	Aroclor 1242	80	ND
12672-29-6	Aroclor 1248	80	ND
11097-69-1	Aroclor 1254	160	ND
11096-82-5	Aroclor 1260	160	ND
12674-11-2	Aroclor 1016	80	ND

ND : Not detected at or above the practical quantitation limit for the method.

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 608/8080
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilution : NONE

Anamatrix I.D. : 8904100-04
 Analyst : MCR
 Supervisor : DJ
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : HP5

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
1104-28-2	Aroclor 1221	80	ND
11141-16-5	Aroclor 1232	80	ND
53469-21-9	Aroclor 1242	80	ND
12672-29-6	Aroclor 1248	80	ND
11097-69-1	Aroclor 1254	160	ND
11096-82-5	Aroclor 1260	160	ND
12674-11-2	Aroclor 1016	80	ND

ND : Not detected at or above the practical quantitation limit for the method.

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 608/8080
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilution : NONE

Anamatrix I.D. : 8904100-05
 Analyst : MCF
 Supervisor : SWS
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : HPS

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
1104-28-2	Aroclor 1221	80	ND
11141-16-5	Aroclor 1232	80	ND
53469-21-9	Aroclor 1242	80	ND
12672-29-6	Aroclor 1248	80	ND
11097-69-1	Aroclor 1254	160	ND
11096-82-5	Aroclor 1260	160	ND
12674-11-2	Aroclor 1016	80	ND

ND : Not detected at or above the practical quantitation limit for the method.

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 608/8080
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4A
 Matrix : WATER
 Date sampled : 04/18/89
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilution : NONE

Anamatrix I.D. : 8904100-06
 Analyst : MUX
 Supervisor : JNJ
 Date released : 04/20/89
 Volume ext. : 965 ml
 Instrument ID : HP5

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
		0.5	ND
1104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	1	ND
11097-69-1	Aroclor 1254	1	ND
11096-82-5	Aroclor 1260	0.5	ND
12674-11-2	Aroclor 1016		

ND : Not detected at or above the practical quantitation limit for the method.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S T-1
 Matrix : SOIL
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-01
 Analyst : MCT
 Supervisor : DJ
 Date released : 04/20/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	2600000

ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/18/89

Anamatrix I.D. : 8904100-02
 Analyst : MDT
 Supervisor : JS
 Date released : 04/20/89
 Date ext. TOG : 04/18/89
 Date anl. TOG : 04/19/89

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	290000
	Total Oil & Grease	30000	3400000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
 TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S T-3
 Matrix : SOIL
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/18/89

Anamatrix I.D. : 8904100-03
 Analyst : MCT
 Supervisor : DJ
 Date released : 04/20/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	530000

ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-04
 Analyst : MCT
 Supervisor : SJS
 Date released : 04/20/89
 Date ext. TOG : 04/18/89
 Date anl. TOG : 04/19/89

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	4100000
	Total Oil & Grease	30000	11000000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
 TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-05
 Analyst : MCT
 Supervisor : JMS
 Date released : 04/20/89
 Date ext. TOG : 04/18/89
 Date anl. TOG : 04/19/89

CAS #	Compound Name	Detection Limit (ug/kg)	Amount Found (ug/kg)
	TPH as Diesel	10000	2200000
	Total Oil & Grease	30000	8600000

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
- TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S T-4A
 Matrix : WATER
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-06
 Analyst : MCT
 Supervisor : MS
 Date released : 04/20/89
 Date ext. TOG : 04/18/89
 Date anl. TOG : 04/19/89

CAS #	Compound Name	Detection Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	19000
	Total Oil & Grease	5000	64000

- ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.
 TOG - Total Oil & Grease is determined by Standard Method 503E.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S D-1
 Matrix : WATER
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-07
 Analyst : MCF
 Supervisor : JS
 Date released : 04/20/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	130000

ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S D-2
 Matrix : WATER
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-08
 Analyst : M U
 Supervisor : M J
 Date released : 04/20/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	9500

ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
 ANAMETRIX, INC. (408) 432-8192 .

Sample I.D. : 4381-S D-3
 Matrix : WATER
 Date sampled : 04/18/89
 Date anl.TPHg: N/A
 Date ext.TPHd: 04/18/89
 Date anl.TPHd: 04/19/89

Anamatrix I.D. : 8904100-09
 Analyst : MJ
 Supervisor : JS
 Date released : 04/20/89
 Date ext. TOG : N/A
 Date anl. TOG : N/A

CAS #	Compound Name	Detection Limit (ug/l)	Amount Found (ug/l)
	TPH as Diesel	50	23000

ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 608/8080
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : SOIL
 Date sampled : N/A
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilution : NONE

Anamatrix I.D. : PSBL041889
 Analyst : M. U.
 Supervisor : S.S.
 Date released : 04/20/89
 Weight ext. : 30 g
 Instrument ID : HP5

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
1104-28-2	Aroclor 1221	80	ND
11141-16-5	Aroclor 1232	80	ND
53469-21-9	Aroclor 1242	80	ND
12672-29-6	Aroclor 1248	80	ND
11097-69-1	Aroclor 1254	160	ND
11096-82-5	Aroclor 1260	160	ND
12674-11-2	Aroclor 1016	80	ND

ND : Not detected at or above the practical quantitation limit for the method.

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 608/8080
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : WATER
 Date sampled : N/A
 Date ext. : 04/18/89
 Date analyzed: 04/19/89
 Dilution : NONE

Anamatrix I.D. : PWBL041889
 Analyst : MCT
 Supervisor : SMJ
 Date released : 04/20/89
 Volume ext. : 1 LITER
 Instrument ID : HP5

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
1104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1	ND
11096-82-5	Aroclor 1260	1	ND
12674-11-2	Aroclor 1016	0.5	ND

ND : Not detected at or above the practical quantitation limit for the method.

REPORT SUMMARY
ANAMETRIX, INC. (408) 432-8192 .

Client : Crosby & Overton Inc.
Address : Environmental Management
8430 Amelia Street
City : Oakland, CA 94621
Attn. : Dave Sadoff

Anamatrix W.O.#: 1904100
Date Received : 04/18/89
Purchase Order#: 6977
Project No. : 4381-S
Date Released : 04/21/89

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
----------------	-------------	--------	--------------	--------	--------------	---------------	-----------

RESULTS

8904100-02	T-2	SOIL	04/18/89	6010		04/19/89	AA1/
8904100-04	T-4	SOIL	04/18/89	6010		04/19/89	AA1/
8904100-05	T-5	SOIL	04/18/89	6010		04/19/89	AA1/
8904100-06	T-4A	WATER	04/18/89	6010		04/19/89	AA1/

QUALITY ASSURANCE (QA)

MB041989S	METHOD BLANK	SOIL	N/A	6010		04/19/89	AA1/
MB041989W	METHOD BLANK	WATER	N/A	6010		04/19/89	AA1/

ANALYSIS DATA SHEET - TITLE 22 METALS EPA METHOD 6010
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-2
 Matrix : SOIL
 Date Sampled : 04/18/89
 Date Prepared: 04/19/89
 Date Analyzed: 04/19/89

Anamatrix ID : 8904100-02
 Analyst : MN
 Supervisor : SW
 Instrument ID: AA1/ICP1
 Date released: 04/21/89

EPA METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
6010	Silver (Ag)	0.5	ND
6010	Arsenic (As)	2.0	13.2
6010	Barium (Ba)	0.5	117
6010	Beryllium (Be)	0.5	ND
6010	Cadmium (Cd)	0.5	2.08
6010	Cobalt (Co)	0.5	10.9
6010	Total Chromium (Ttl Cr)	0.5	31.8
6010	Copper (Cu)	0.5	72.6
7471	Mercury (Hg)	0.025	0.178
6010	Molybdenum (Mo)	0.5	ND
6010	Nickel (Ni)	1.0	47.5
6010	Lead (Pb)	1.0	668
6010	Antimony (Sb)	2.0	ND
7740	Selenium (Se)	0.1	ND
6010	Thallium (Tl)	2.0	2.36
6010	Vanadium (V)	0.5	23.0
6010	Zinc (Zn)	0.5	1260

ND : Not detected at or above the practical quantitation limit for the method.

ANALYSIS DATA SHEET - TITLE 22 METALS EPA METHOD 6010
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4
 Matrix : SOIL
 Date Sampled : 04/18/89
 Date Prepared: 04/19/89
 Date Analyzed: 04/19/89

Anamatrix ID : 8904100-04
 Analyst : MW
 Supervisor : SJ
 Instrument ID: AA1/ICP1
 Date released: 04/21/89

EPA METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
6010	Silver (Ag)	0.5	ND
6010	Arsenic (As)	2.0	19.5
6010	Barium (Ba)	0.5	200
6010	Beryllium (Be)	0.5	ND
6010	Cadmium (Cd)	0.5	5.59
6010	Cobalt (Co)	0.5	10.8
6010	Total Chromium (Ttl Cr)	0.5	70.0
6010	Copper (Cu)	0.5	182
6010	Mercury (Hg)	0.025	0.224
7471	Molybdenum (Mo)	0.5	6.34
6010	Nickel (Ni)	1.0	53.1
6010	Lead (Pb)	1.0	1200
6010	Antimony (Sb)	2.0	ND
6010	Selenium (Se)	0.1	ND
7740	Thallium (Tl)	2.0	10.1
6010	Vanadium (V)	0.5	24.2
6010	Zinc (Zn)	0.5	5050

ND : Not detected at or above the practical quantitation limit for the method.

ANALYSIS DATA SHEET - TITLE 22 METALS EPA METHOD 6010
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-5
 Matrix : SOIL
 Date Sampled : 04/18/89
 Date Prepared: 04/19/89
 Date Analyzed: 04/19/89

Anamatrix ID : 8904100-05
 Analyst : MN
 Supervisor : MJ
 Instrument ID: AA1/ICP1
 Date released: 04/21/89

EPA METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
			ND
6010	Silver (Ag)	0.5	14.3
6010	Arsenic (As)	2.0	108
6010	Barium (Ba)	0.5	ND
6010	Beryllium (Be)	0.5	3.38
6010	Cadmium (Cd)	0.5	7.69
6010	Cobalt (Co)	0.5	33.3
6010	Total Chromium (Ttl Cr)	0.5	75.5
6010	Copper (Cu)	0.5	0.108
7471	Mercury (Hg)	0.025	1.27
6010	Molybdenum (Mo)	0.5	55.0
6010	Nickel (Ni)	1.0	803
6010	Lead (Pb)	1.0	ND
6010	Antimony (Sb)	2.0	ND
7740	Selenium (Se)	0.1	2.42
6010	Thallium (Tl)	2.0	15.3
6010	Vanadium (V)	0.5	1610
6010	Zinc (Zn)	0.5	

ND : Not detected at or above the practical quantitation limit for the method.

ANALYSIS DATA SHEET - TITLE 22 METALS EPA METHOD 6010
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 4381-S T-4A
 Matrix : WATER
 Date Sampled : 04/18/89
 Date Prepared: 04/19/89
 Date Analyzed: 04/19/89

Anamatrix ID : 8904100-06
 Analyst : MN
 Supervisor : JS
 Instrument ID: AA1/ICP1
 Date released: 04/21/89

EPA METHOD NO.	COMPOUNDS	Detection Limit (mg/l)	Amount Found (mg/l)
6010	Silver (Ag)	0.01	ND
6010	Arsenic (As)	0.04	ND
6010	Barium (Ba)	0.01	0.23
6010	Beryllium (Be)	0.01	ND
6010	Cadmium (Cd)	0.01	ND
6010	Cobalt (Co)	0.01	0.025
6010	Total Chromium (Ttl Cr)	0.01	0.07
6010	Copper (Cu)	0.001	ND
7470	Mercury (Hg)	0.01	ND
6010	Molybdenum (Mo)	0.02	0.03
6010	Nickel (Ni)	0.02	0.26
6010	Lead (Pb)	0.04	ND
6010	Antimony (Sb)	0.002	ND
7740	Selenium (Se)	0.04	0.08
6010	Thallium (Tl)	0.01	ND
6010	Vanadium (V)	0.01	1.12
6010	Zinc (Zn)	0.01	

ND : Not detected at or above the practical quantitation limit for the method.

ANALYSIS DATA SHEET - TITLE 22 METALS EPA METHOD 6010
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date Sampled : N/A
Date Prepared: 04/19/89
Date Analyzed: 04/19/89

Anametrix ID : MB041989S
Analyst : MN
Supervisor : MJ
Instrument ID: AAL/ICPI
Date released: 04/21/89

EPA METHOD NO.	COMPOUNDS	Detection Limit (mg/kg)	Amount Found (mg/kg)
6010	Silver (Ag)	0.5	ND
6010	Arsenic (As)	2.0	ND
6010	Barium (Ba)	0.5	ND
6010	Beryllium (Be)	0.5	ND
6010	Cadmium (Cd)	0.5	ND
6010	Cobalt (Co)	0.5	ND
6010	Total Chromium (Ttl Cr)	0.5	ND
6010	Copper (Cu)	0.5	ND
7471	Mercury (Hg)	0.025	ND
6010	Molybdenum (Mo)	0.5	ND
6010	Nickel (Ni)	1.0	ND
6010	Lead (Pb)	1.0	ND
6010	Antimony (Sb)	2.0	ND
7740	Selenium (Se)	0.1	ND
6010	Thallium (Tl)	2.0	ND
6010	Vanadium (V)	0.5	ND
6010	Zinc (Zn)	0.5	ND

ND : Not detected at or above the practical quantitation limit for the method.

ANALYSIS DATA SHEET - TITLE 22 METALS EPA METHOD 6010
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
 Matrix : WATER
 Date Sampled : N/A
 Date Prepared: 04/19/89
 Date Analyzed: 04/19/89

Anamatrix ID : MB041989W
 Analyst : MN
 Supervisor : JS
 Instrument ID: AA1/ICP1
 Date released: 04/21/89

EPA METHOD NO.	COMPOUNDS	Detection Limit (mg/l)	Amount Found (mg/l)
6010	Silver (Ag)	0.01	ND
6010	Arsenic (As)	0.04	ND
6010	Barium (Ba)	0.01	ND
6010	Beryllium (Be)	0.01	ND
6010	Cadmium (Cd)	0.01	ND
6010	Cobalt (Co)	0.01	ND
6010	Total Chromium (Ttl Cr)	0.01	ND
6010	Copper (Cu)	0.01	ND
7470	Mercury (Hg)	0.001	ND
6010	Molybdenum (Mo)	0.01	ND
6010	Nickel (Ni)	0.02	ND
6010	Lead (Pb)	0.02	ND
6010	Antimony (Sb)	0.04	ND
7740	Selenium (Se)	0.002	0.002
6010	Thallium (Tl)	0.04	ND
6010	Vanadium (V)	0.01	ND
6010	Zinc (Zn)	0.01	ND

ND : Not detected at or above the practical quantitation limit for the method.



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

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 17270
CLIENT: H & H ENVIRONMENTAL
PROJECT #: AC TRANSIT EMERYVILLE

DATE RECEIVED: 04/25/89
DATE ANALYZED: 04/26/89
DATE REPORTED: 05/01/89

Extractable Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

LAB ID	CLIENT ID	GASOLINE (mg/L)	KEROSINE (mg/L)	DIESEL (mg/L)	OTHER (mg/L)
17270	1	ND(10)	ND(10)	214	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

RPD, %	8
Spike: % Recovery	100

Stephen L. ...
LABORATORY DIRECTOR



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

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17305
CLIENT: H & H SHIP SERVICE CO.
LOCATION: AC TRANSIT/KISER ENGINEERING

DATE RECEIVED: 05/01/89
DATE ANALYZED: 05/08/89

Extractable Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

LAB ID	CLIENT ID	GASOLINE (mg/L)	KEROSINE (mg/L)	DIESEL (mg/L)	OTHER (mg/L)
17305-1	1 WASTEWATER & DIESEL	ND(0.5)	ND(0.5)	3.3	ND(0.5)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

RPD, %	5
Spike: % Recovery	89

LABORATORY DIRECTOR



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

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17293
CLIENT: H&H SHIP SERVICE COMPANY

DATE RECEIVED: 05/01/89
DATE ANALYZED: 05/08/89
DATE REPORTED: 05/10/89

Extractable Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

LAB ID	CLIENT ID	GASOLINE (mg/L)	KEROSINE (mg/L)	DIESEL (mg/L)	OTHER (mg/L)
17293-1	1 WASTE WATER 1 DIESEL	ND(0.5)	ND(0.5)	1.6	ND(0.5)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

RPD, %	5
Spike: % Recovery	89

[Signature]
LABORATORY DIRECTOR



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

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 17530-1
CLIENT: H&H SHIP SERVICE COMPANY
PROJECT ID: AC TRANSIT

DATE RECEIVED: 06/06/89
DATE ANALYZED: 06/09/89
DATE REPORTED: 06/19/89

Extractable Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

LAB ID	GASOLINE (mg/L)	KEROSINE (mg/L)	DIESEL (mg/L)	OTHER (mg/L)
17530-1	130	ND(10)	800	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

RPD, %	3
Spike: % Recovery	98

[Signature]
LABORATORY DIRECTOR

#50940

**KAISER
ENGINEERS**

EC & R

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 80097-828

SAMPLER'S NAME George Piantke

LABORATORY PROJECT NO. _____

SAMPLER'S SIGNATURE George Piantke

SITE IDENTIFICATION AC Transit Emeryville

KAISER SUPERVISOR _____

DATE 6/6/89

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
MW1	liquid	13 ¹⁵	Ice			
MW2	liquid	16 ²⁵	↓			
MW3	liquid	14 ¹⁵				
MW5	liquid	13 ⁴⁰			Analyze for	
E1	liquid	15 ¹⁰			① TPH - Diesel	
						Normal 5 Day TAT

RELINQUISHED BY George Piantke DATE/TIME 6/6/89 16³⁰ RECEIVED BY [Signature]

RELINQUISHED BY [Signature] DATE/TIME 6/6/89 17⁰⁰ RECEIVED BY _____

RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____

RECEIVED BY Clarence Wright FOR LABORATORY, DATE/TIME 6-6-89 16⁰⁰

**KAISER
ENGINEERS
EC & R**

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 80097-828 SAMPLER'S NAME George Piantella
 LABORATORY PROJECT NO. _____ SAMPLER'S SIGNATURE George Piantella
 SITE IDENTIFICATION ACTransit Emeryville KAISER SUPERVISOR _____
 DATE 5/26/89

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
ACTE-INF	liquid	16 ²⁰	COD - H ₂ SO ₄ 524.2 - Ice		6	
ACTE-EFF	liquid	16 ²⁰	"			
ACTE-FILTER	liquid	16 ²⁰				AIR IN SAMPLE; possible SOAP
			Analyze for			
			① EPA 524.2			
			② COD			
			<u>6 DAY TAT</u>			
Note: CHISAN HQ WAS GIVEN THE APPROPRIATE DETECTION LIMITS FOR EPA 524.2 CONSTITUENTS						

RELINQUISHED BY George Piantella DATE/TIME 5/26/89 17⁰⁰ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY Ulysses J. Bellon FOR LABORATORY, DATE/TIME 5/26/89 1653

8905791

Clark & Tompkins

ACTE SEP

KAISER ENGINEERS
EC & R

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 80097-129 SAMPLER'S NAME John Potts
 LABORATORY PROJECT NO. _____ SAMPLER'S SIGNATURE [Signature]
 SITE IDENTIFICATION ACTE - 500 KAISER SUPERVISOR _____
 DATE 5/1/85

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
ACTE-500						
						Analyse for
						1) COD
						2) BOD
						3) TOC
						4) TSS
						5) pH
						6) Hardness
						7) NH ₃ as N
						2 wk TAT

RELINQUISHED BY John Potts DATE/TIME 5/1/85 RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY [Signature] FOR LABORATORY, DATE/TIME 5/1/85

**KAISER
ENGINEERS
EC & R**

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 80097-828 SAMPLER'S NAME George Tranter
 LABORATORY PROJECT NO. _____ SAMPLER'S SIGNATURE George Tranter
 SITE IDENTIFICATION AC Transit Emeryville KAISER SUPERVISOR _____
 DATE 5/12/89

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
<u>APR-30A</u>	<u>liquid</u>	<u>11²⁰</u>	<u>Ice</u>			
<u>APR-30B</u>	<u>liquid</u>	<u>11²¹</u>	<u>Ice</u>			
						Analyze for
						① TPH - diesel

RELINQUISHED BY George Tranter DATE/TIME 5/12/89 11²⁰ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY George Tranter FOR LABORATORY, DATE/TIME 5-12 11²⁰ 89

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 20097-828 SAMPLER'S NAME George Peck
 LABORATORY PROJECT NO. _____ SAMPLER'S SIGNATURE George Peck
 SITE IDENTIFICATION A. Trans. in Emeryville KAISER SUPERVISOR _____
 DATE 5/11/89

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
ACTE INF	1/2 gal	11:30	Ice			
ACTE		11:30	Ice			
						Analyse for
						① TPH. 50)
						② TPH. 1000)
						Normal TAT

RELINQUISHED BY George Peck DATE/TIME 5/11/89 11:20 RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY John Hand FOR LABORATORY, DATE/TIME 5-10 11:25 AM

**KAISER
ENGINEERS**

EC & R

8905081

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 80097-828 SAMPLER'S NAME George Piantica
 LABORATORY PROJECT NO. _____ SAMPLER'S SIGNATURE George Piantica
 SITE IDENTIFICATION AC Transit Emeryville KAISER SUPERVISOR _____
 DATE 5/8/89

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
ACTE-INF	liquid	11 ³⁰	ICE - TPH - HCL Oil & Grease - H ₂ SO ₄			Note:
ACTE-EFF	liquid	11 ³⁰	ICE TPH - HCL Oil & Grease - H ₂ SO ₄			Possible
			BTEX VOA's - Ice only			emulsified petroleum products (soak in the separator system)
			Analyze samples for			
			(1) EPA 524.2			
			(2) TPH			
			(3) OIL & Grease			
			(4) Cd, Cr, Ni, Pb, Zn, Cu			(will drop samples off 5/9/89)
		24 Hr TAT				Did not receive samples for metals analysis 5/9/89

RELINQUISHED BY George Piantica DATE/TIME 5/8/89 14⁰⁰ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY Robert Turner Charette FOR LABORATORY, DATE/TIME 5/8/89 2:00^{PM}

**KAISER
ENGINEERS
EC & R**

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. 81397-23 SAMPLER'S NAME Steve P. KA
 LABORATORY PROJECT NO. _____ SAMPLER'S SIGNATURE _____
 SITE IDENTIFICATION 15-100-100-114 KAISER SUPERVISOR Steve P. KA
 DATE 5/1/85

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
AKTE-INF	17"	17"	HNO ₃			
AKTE-EFF	17"	17"	HNO ₃			
			Analyze for			
			⊙ Cd, Cu, Cr, Ni, Pb, Zn			

RELINQUISHED BY Steve P. KA DATE/TIME 5/1/85 17 RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY Steve P. KA FOR LABORATORY USE 17 5/1/85

**KAISER
ENGINEERS
EC & R**

CHAIN OF CUSTODY RECORD

KAISER PROJECT NO. FO097-82E

SAMPLER'S NAME George Piantke

LABORATORY PROJECT NO. _____

SAMPLER'S SIGNATURE George Piantke

SITE IDENTIFICATION AC Transit Emeryville

KAISER SUPERVISOR _____

DATE 5/2/89

SAMPLE ID NUMBER	MATRIX OF SAMPLE	TIME TAKEN	PRESERVATIVES	ARCHIVE	ANALYZE	REMARKS
MW5	liquid	9:20 13:40	Ice			
MW6	"	10:20 14:30				
MW7	"	11:15 9:30				
MW8	"	11:45 10:20		Analyze for		
MW9	"	11:15		(1) TVH/BTEX		
MW10	"	11:45		EPA 8015/5030 602		
				LOD: 0.3 ug/l BTEX 50 ug/l TVH		
				(2) TEH - diesel EPA 8015/3510		
				LOD: 50 ug/l TEH		

RELINQUISHED BY George Piantke DATE/TIME 5/2/89 16:30 RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RELINQUISHED BY _____ DATE/TIME _____ RECEIVED BY _____
 RECEIVED BY [Signature] FOR LABORATORY, DATE/TIME 5/2 9:29 a.m.

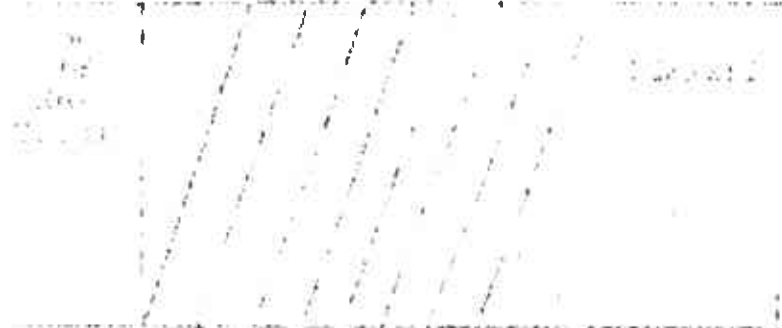
PROJ. NO. PROJECT NAME

2-515 CASEY, SPANISH

DATE: 1/20/50

BY: [Signature]

DATE	TIME	COMP.	GRAV.	DEPTH	REMARKS
1/20	10:00		1.0	100	SEM



- ① TWIN / STEAK
- ② TEM - X. 100' 100' 100'



CROSBY & OVERTON

DESCRIPTION OF PROJECT: [Faint handwritten text]

LOCATION: [Faint handwritten text]

DATE: [Faint handwritten text]

BY: [Faint handwritten text]

PROJ. NO.	PROJECT NAME		P.O. NO		NO OF CONTAINERS	REMARKS														
42815	KAISER ENGINEERS		6977				TPH-D 24 HOUR PWSH													
SAMPLERS: Signature			Send report attention to;																	
New Sadoff			D. SADOFF																	
STA NO	DATE	TIME	COMP.	GRAB	STATION LOCATION															
MW-1	4/19/89	10:30		✓	AQUEOUS MW1	1	✓													
BH-1	"	↓		✓	AQUEOUS BH-1	1	✓													
BH-3	"	↓		✓	AQUEOUS BH-3	1	✓													
BH-4	"	↓		✓	AQUEOUS BH-4	1	✓													*~100% DIESEL
BH-5	"	1:30		✓	AQUEOUS BH-5	1	✓													
BH-6	4/20/89	2:00		✓	AQUEOUS BH-6	1	✓													
BH-7	"	↓		✓	AQUEOUS BH-7	1	✓													
BH-8	"	↓		✓	AQUEOUS BH-8	1	✓													
BH-9	"	4:00		✓	AQUEOUS BH-9	1	✓													



CROSBY & OVERTON
 Environmental Management Inc.
 8430 Armita Street • Oakland, California 94621
 (415) 432-0336
 FAX (415) 633-0757

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
<i>[Signature]</i>	4/21/89 08:50	M. Smith	4/21/89 08:50
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
		Juli Mendez	4/21/89 9:45
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time

REMARKS:

Company Name
 Address

PROJ. NO.	PROJECT NAME		P.O. NO		NO OF CON-TAINERS	REMARKS
4381-S	KAISER ENGINEERS		6977			
SAMPLERS: Signature					Send report attention to;	
STA NO	DATE	TIME	COMP.	GRAB	STATION LOCATION	
MU-1	4/19	0530		✓	MU-1 5' bgs	✓
BH1	"			✓	5' bgs	✓
BH2	"			✓	5' bgs	✓
BH-3	"			✓	5' bgs	✓
BH4	"			✓	5' bgs	✓
BH5	"			✓	5' bgs	✓
BH-7	4/20			✓	5' bgs	✓
BH8	"			✓	5' bgs	✓
BH-9	"			✓	5' bgs	✓

IPH-D

NORMAN TURNAROUND

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
<i>New [Signature]</i>	4/21/89 08:30	<i>D. M. Smith</i>	4/21/89 08:30
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time
		<i>J. J. Hillenbrand</i>	4/21/89 9:45
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time

REMARKS:

Company Name

Address



CROSBY & OVERTON
 Environmental Management Inc.
 8430 Amelia Street • Oakland, California 94621
 (415) 633-0336
 FAX (415) 633-0359

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	P.O. NO	NO OF CONTAINERS						REMARKS		
43815	Kaiser Engineers/AC.	6977		503E	824D	827D	808D (P&S)	T-4H-D	TITLE 22 METHOD		
SAMPLERS: Signature		Send report attention to:									
[Signature]		D. SADOFF									
STA NO	DATE	TIME	COMB	GRAB	STATION LOCATION						
T-1	4/18	15:00			S-1					X	
T-2	"				S-3	X	X	X	X	X	
T-3	"				S-5					X	
T-4	"				S-7	X	X	X	X	X	
T-5	"				S-9	X	X	X	X	X	
T-4	"				T-4A	X	X	X	X	X	
D-1	"				D-1A					X	
D-2	"				D-2A					X	
D-3	"	16:00			D-3A					X	

Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time	REMARKS: 24 HOUR TURNAROUND
[Signature]	4/18/89	[Signature]	4/18/89 16:00	
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time	
Relinquished by: Signature	Date/Time	Received by: Signature	Date/Time	Company Name Address



CROSBY & OVERTON
 Environmental Management Inc.
 8433 Arroyo Street • Oakland, California 94601
 (415) 434-3334 FAX (415) 633-0359

APR 17 17:47 ANAMETRIX INC 408 432 8198

APRIL 12, 1988 - APRIL 26, 1988

(WITH ANALYSES)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD918138934700008		Manifest Document No. 00008		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address A.C. Transit 1177-45th St. Emeryville, CA 94608						A. State Manifest Document Number 88231946							
4. Generator's Phone (415) 891-4939						B. State Generator's ID							
5. Transporter 1 Company Name H3H SHIP SERVICE				6. US EPA ID Number CAD004771168		C. State Transporter's ID 003756							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 543-4835							
9. Designated Facility Name and Site Address H3H SHIP SERVICE 220 CHINA BASIN SAN FRANCISCO, CA 94107				10. US EPA ID Number CAD004771168		G. State Facility's ID CAD004771168							
						H. Facility's Phone 543-4835							
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.	
a. WASTE HAZARDOUS LIQUID NOS SEM-E OIL (11) 3000 G						No. Type		Quantity		Unit Wt/Vol		State Waste No. 222	
b.												EPA/Other N/A	
c.												State EPA/Other	
d.												State EPA/Other	
16. Additional Descriptions for Materials Listed Above 75 Lb WATER 20 Lb SOLIDS 5 Lb DIESEL						K. Handling Codes for Wastes Listed Above a. 01							
15. Special Handling Instructions and Additional Information WEAR GLOVES						b. c. d.							
<p>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.</p> <p>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.</p>													
Printed/Typed Name Marshall Seavey				Signature Marshall Seavey				Month Day Year 04/12/89					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name STEVE MEGOWIE		Signature Steve Megowie		Month Day Year 04/12/89			
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 Kathleen Shackles				Signature Kathleen Shackles				Month Day Year 04/12/89					

GENERATOR

FACILITY

IN CASE OF AN EMERGENCY OR SPIEL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-424-8802.

LABORATORY REPORT

H & H Lab ID No.: 1933

Date Reported: 04/12/88
Date Analyzed: 04/12/88
Date Received: 04/12/88

Manifest/Log No.: 88231546

Client: AC Transit
1177 45th Street, Emeryville, California 94608

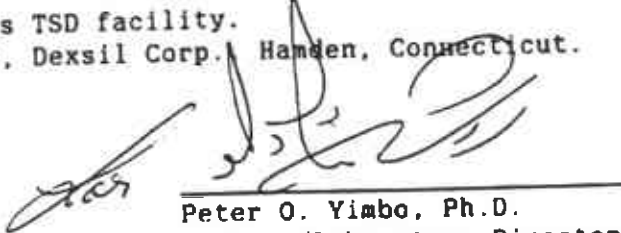
Sample Description: Wastewater and sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	9.0		2.5 - 12.5
Solids*		40%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp. Hamden, Connecticut.



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

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



UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAD 9811389547211618**

2. Page 1
Manifest Document No. **191**
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address:
A.C. Transit
1177 - 45th St Emeryville, CA 94608

A. State Health Department License No. **3822765**
B. State Generator's ID

4. Generator's Phone (415) **891-4939**

C. State Transporter's ID **003752**
D. Transporter's Phone **415 5439836**

5. Transporter 1 Company Name
H & H Ship Service

E. State Transporter's ID
F. Transporter's Phone

6. US EPA ID Number **CAD 004771168**
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
H & H Ship Service
220 China Basin
San Francisco, CA 94107

10. US EPA ID Number
G. State Facility's ID **CAD 004771168**
H. Facility's Phone **415 643 0906**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a.	b.	c.	d.	e.	f.	g.	h.	i.	j.	k.	l.	m.	n.	o.	p.	q.	r.	s.	t.	u.	v.	w.	x.	y.	z.
Waste Hazardous Liquid											Waste No.														
NA 9198											222														
NOSORIM-E 001											N/A														

J. Additional Descriptions for Materials Listed Above
90% Water
5% Solids
5% Petroleum Product (Diesel)

K. Handling Codes for Wastes Listed Above
a. **01**
b.
c.
d.

15. Special Handling Instructions and Additional Information
Gloves

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: **Marshall Seavey** Signature: *Marshall Seavey* Month Day Year: **10/1/28/19**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **Robert S. Hansen** Signature: *Robert S. Hansen* Month Day Year: **10/1/28/19**

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: **Rushon Shadkov** Signature: *Rushon Shadkov* Month Day Year: **04/12/89**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATION RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7878
 GENERATOR
 TRANSPORTER
 FACILITY

LABORATORY REPORT

H & H Lab ID No.: 1928

Date Reported: 04/12/89

Date Analyzed: 04/12/89

Date Received: 04/12/89

Manifest/Log No.: 88227662

Client: AC Transit
1177 47th Street, Emeryville, California 94608

Sample Description: Wastewater with diesel mixed.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo
Peter O. Yimbo Ph.D.
Chemist/Laboratory Director

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



UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAD9813895H1706001**
 Manifest Document No. **06001**

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

3. Generator's Name and Mailing Address
A.C. TRANSIT
1177-45th St. Emeryville, CA 94608

A. State Manifest Document Number
88227755

4. Generator's Phone **(415) 871-4939**

B. State Generator's ID
HSH9361018635

5. Transporter 1 Company Name
HSH SHIP SERVICE

C. State Transporter's ID
00377

6. US EPA ID Number
CAD0047711168

D. Transporter's Phone
543-7855

7. Transporter 2 Company Name

E. State Transporter's ID

8. US EPA ID Number

F. Transporter's Phone

9. Designated Facility Name and Site Address
HSH SHIP SERVICE
220 CHINA BASIN
SAN FRANCISCO, CA 94107

G. State Facility's ID
CAD0047711168

H. Facility's Phone
543-0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a.	12. Containers		13. Total Quantity	14. Unit Wt/Vol	L Waste No.
	No.	Type			
WAH9189 WASTE HAZARDOUS LIQUID NO SCENE	001	TT	5.000 G	6	State 322 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
90% WATER
5% SOLIDS
5% PETROLEUM PRODUCT (DIESEL)

K. Handling Codes for Wastes Listed Above
 a. **01**
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
GLOVES

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: **Ceri Thompson** Signature: **Ceri Thompson** Month Day Year: **10/4/12/89**

17. Transporter 1 Acknowledgement or Receipt of Materials
 Printed/Typed Name: **STEVE MESQUITE** Signature: **Steve Mesquite** Month Day Year: **10/4/12/89**

18. Transporter 2 Acknowledgement or 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: **Ashlan Shadden** Signature: **Ashlan Shadden** Month Day Year: **10/4/12/89**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATION RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-552-75

GENERATOR

TRANSPORTER

FACILITY

LABORATORY REPORT

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

H & H Lab ID No.: 1926

Date Reported: 04/12/89
Date Analyzed: 04/12/89
Date Received: 04/12/89

Manifest/Log No.: 88227755

Client: AC Transit
1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater and diesel mixed.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	>200°F		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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



IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATION. RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-751.

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D98138954700002	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address A.C. Transit 1177-43rd St. Emeryville, CA 94608			A. State Identification Number 88227758			
4. Generator's Phone (415) 891-4939			B. State Generator's ID			
6. Transporter 1 Company Name H3H SHIP SERVICE		5. US EPA ID Number CA D004771168		C. State Transporter's ID A037ED		D. Transporter's Phone 843-4835
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 H3H SHIP SERVICE 220 CHINA BASIN SAN FRANCISCO CA 94107			10. US EPA ID Number CA D004771168		G. State Facility's ID	
					H. Facility's Phone 543-4835	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity	14. Unit Wt./Vol.
a. WASTE HAZARDOUS LIQUID NOS ORME UN9189						6
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
95 gal WATER				a. 01		
3 gal SOLIDS				b.		
2 gal PETROLEUM PRODUCT (DIESEL)				c.		
d.				d.		
15. Special Handling Instructions and Additional Information						
GLASSES						
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 Marshall Seavey		Signature <i>Marshall Seavey</i>		Month Day Year 04/12/89		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name STEVE MESQUITE		Signature <i>Steve Mesquite</i>		Month Day Year 10/4/12/89
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 Keston Shackler		Signature <i>Keston Shackler</i>		Month Day Year 10/4/12/89		

LABORATORY REPORT

H & H Lab ID No.: 1927

Date Reported: 04/12/89
Date Analyzed: 04/12/89
Date Received: 04/12/89

Manifest/Log No.: 88227756

Client: AC Transit
1177 45th Street, Emeryville, California 94608

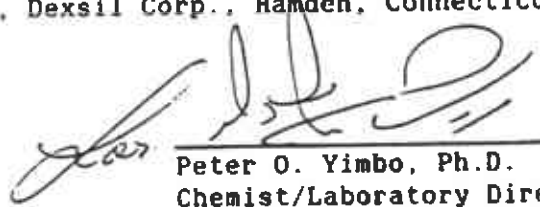
Sample Description: Wastewater and diesel mixed.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	<5.0	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		3.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.



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

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



APPROVED DME No. 2000-0009 (Expires 1-30-91)
 USE INSTRUCTIONS ON BACK OF PAGE 6 AND FRONT OF PAGE 7
 Toxic Substances Control Division
 Sacramento, California
 Form No. 8022-A (1/88)
 EPA 8700-22
 (Rev. 9-88) Previous editions are obsolete.
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAD981389548217626**
 Manifest Document No.

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

Generator's Name and Mailing Address
AS. Transit
1177-45th Street Emeryville Ca. 94608

A. State Manifest Document Number
88287606
 B. State Generator's ID
HSIH03161-0118635

4. Generator's Phone **415 891-4935**

C. State Transporter's ID
003765

5. Transporter 1 Company Name
H & H Ship Service Co

D. Transporter's Phone
415-543-4935

7. Transporter 2 Company Name

E. State Transporter's ID

9. Designated Facility Name and Site Address
H & H Ship Service Co,
220 China Basin ST.
San Francisco Ca 94107

G. State Facility's ID
 H. Facility's Phone
415-543-0906

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type
 13. Total Quantity
 14. Unit Wt/Vol
 15. Waste No.

a. **Waste Hazardous Liquid, N.O.S.**
NA 9189; ORM-E

0011 TV 250100 G
 State **222**
 EPA/Other **N/A**

b.
 c.
 d.

State
 EPA/Other
 State
 EPA/Other
 State
 EPA/Other

J. Additional Descriptions for Materials Listed Above
90% water
5% sludge
5% Diesel

K. Handling Codes for Wastes Listed Above
 a. **01**
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
Rubber
Gloves, Respirator, Eye protection, Rubber Boots

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: **Marshall Seavey** Signature: **Marshall Seavey** Month Day Year: **04/13/89**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **EDWARD G. MILANO** Signature: **Edward G. Milano** Month Day Year: **04/13/89**

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: **Roshan Shackle** Signature: **Roshan Shackle** Month Day Year: **04/13/89**



ENVIRONMENTAL SERVICES
(DIVISION OF H & H SHIP SERVICE CO., INC.)

LABORATORY REPORT

H & H Lab ID No.: 1940

Date Reported: 04/13/89

Date Analyzed: 04/13/89

Date Received: 04/13/89

Manifest/Log No.: 88227606

Client: AC Transit
1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.0		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo

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

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



UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 9813895472V.P.P.A

2. Page 1 of 1

Information in the shaded areas is as required by Federal law.

Generator's Name and Mailing Address: A.C. TRANSIT, 1177-45th Street, Emeryville, CA, 94608

Generator's Phone: 415 891-4935

Transporter 1 Company Name: H+H Ship Service CO, US EPA ID Number: CAD004771168

Transporter 2 Company Name: H+H Ship Service CO, US EPA ID Number: CAD004771168

Designated Facility Name and Site Address: H+H Ship Service CO INC, 220 CHAMBERLAIN ST, SAN FRANCISCO CA 94107, US EPA ID Number: CAD004771168

State: CA, State Transporter's ID: 003757, State Facility's ID: [blacked out], Facility's Phone: 415-542-0906

Table with 4 columns: 12. Containers No., 13. Total Quantity, 14. Unit Wt/Vol, 15. Waste No. Row 1: WASTE HAZARDOUS LIQUID NOISE, NA 9189 ORM-E, 0, 0, 0, 0, 222, N/A

J. Additional Descriptions for Materials Listed Above: 90% water, 5% sludge, 5% Diesel

K. Handling Codes for Wastes Listed Above: a. 01

15. Special Handling Instructions and Additional Information: rubber gloves, respirator, eye protection

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.

17. Transporter 1 Acknowledgement of Receipt of Materials: Marshall Seaver, Signature: Marshall Seaver, Date: 09/13/89

18. Transporter 2 Acknowledgement of Receipt of Materials: JOSE MONCENO, Signature: Jose Monceno, Date: 04/13/89

19. Discrepancy Indication Space

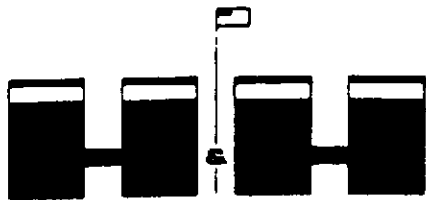
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Reshan. Shapton, Signature: [Signature], Date: 10/11/89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA CALL 1-800-852-7655

EMERGENCY ROUTE

TRANSPORTER

FACILITY



ENVIRONMENTAL SERVICES

(DIVISION OF H&H SHIP SERVICE CO., INC.)

LABORATORY REPORT

H & H Lab ID No.: 1945

Date Reported: 04/14/89
Date Analyzed: 04/13/89
Date Received: 04/13/89

Manifest/Log No.: 88231459

Client: AC Transit
1177 45th Street, Emeryville, California 94608


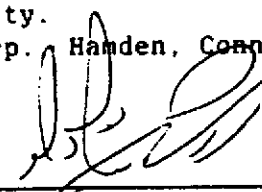
Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		5.0		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp. ~~Handen, Connecticut.~~

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

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



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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1D9B113895476112513	Mandated Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address A.C. TRANSIT 1177-45 th ST. EMERYVILLE, CA. 94608			A. State Manifest Document Number 88227553		
4. Generator's Phone ()			B. State Generator's ID		
5. Transporter 1 Company Name H+H Ship SERVICE		6. US EPA ID Number CA1D0047711168	C. State Transporter's ID 003757		
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone 0415) 543-4835		
9. Designated Facility Name and Site Address H+H Ship SERVICE 220 China Basin SAN FRANCISCO, CA 94107		10. US EPA ID Number CA1D0047711168	E. State Transporter's ID		
			F. Transporter's Phone		
			G. State Facility's ID CA1D0047711168		
			H. Facility's Phone 543-4835		

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. Waste Hazard Liquid NOSORM-E 00111 5000G Mm 9189					State 222 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above 75% Water 20% Solids 5% DISSEL	K. Handling Codes for Wastes Listed Above	
	a. 01	b.
	c.	d.

15. Special Handling Instructions and Additional Information
WEAR GLOVES

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: Gaei Thompson Signature: Gaei Thompson Month Day Year: 10/4/14/89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Donald Baskerville Signature: Donald Baskerville Month Day Year: 10/4/14/89

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

19. Discrepancy Indication Space

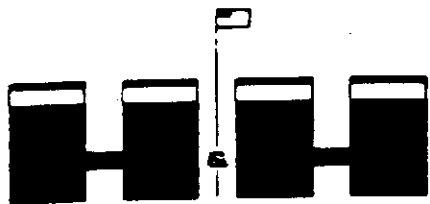
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Roshan Sharker Signature: Roshan Sharker Month Day Year: 10/4/14/89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-6802; WITHIN CALIFORNIA CALL 1-800-652-7350

GENERATOR

TRANSPORTER

FACILITY



ENVIRONMENTAL SERVICES
(DIVISION OF H & H SHIP SERVICE CO., INC.)

LABORATORY REPORT

H & H Lab ID No.: 1948

Date Reported: 04/14/89

Date Analyzed: 04/14/89

Date Received: 04/14/89

Manifest/Log No.: 88227553

Client: AC Transit
1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater and sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.15	2.5 - 12.5	
Solids*		20.0%	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.D.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

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



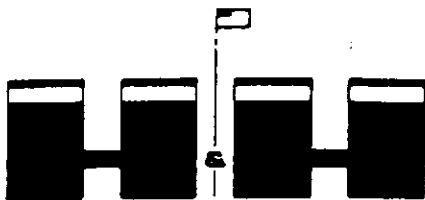
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-657-7650

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD98138A54727665	Manifest Document No. 88227585	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address A.C. TRANSIT 1177 45th Street, Emeryville, CA 94608			B. State-Generator's ID HSHQ36-018635			
4. Generator's Phone (415) 891-4935			C. State Transporter's ID R003755			
5. Transporter 1 Company Name H+H Ship Service CO		6. US EPA ID Number CAD004771168		D. Transporter's Phone 415-543-4835		
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		
9. Designated Facility Name and Site Address H+H Ship Service CO, INC, 220 China Basin St San Francisco, CA, 94107		10. US EPA ID Number CAD004771168		F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.	
a. WASTE HAZARDOUS LIQUID NAS1 NA 9199 GRME		001	TD05000G		State 222 EPA/Other N/A	
b.					State EPA/Other	
c.					State EPA/Other	
d.					State EPA/Other	
J. Additional Descriptions for Materials Listed Above 90% WATER 5% Sludge 5% Diesel			K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information Rubber gloves Respiration EYE Protection						
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 Preston ChenaULT		Signature Preston ChenaULT		Month Day Year 10/1/89		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JOSE MORENO		Signature Jose Moreno		Month Day Year 10/1/89		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
Printed/Typed Name Gaska Shockey		Signature Gaska Shockey		Month Day Year 10/1/89		



ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

LABORATORY REPORT

H & H Lab ID No.: 1956

Date Reported: 04/14/89

Date Analyzed: 04/14/89

Date Received: 04/14/89

Manifest/Log No.: 88227665

Client: AC Transit
1177 45th Street, Emeryville, California 94608

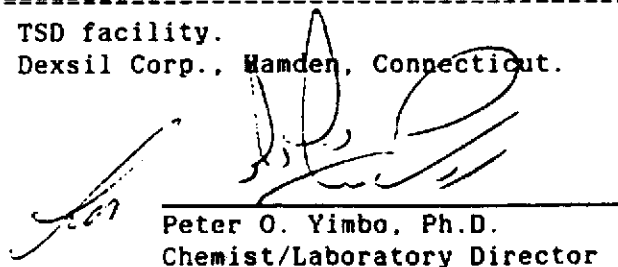
Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5	2.5 - 12.5	
Solids*		5%	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.


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

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



8 822 7138

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

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST Generator's US EPA ID No. CA D 9873895472071368 Manifest Document No. 2071368		E. Page No. 1 Registered in the shaded areas of this form by Federal law			
3. Generator's Name and Mailing Address A-C TRANSIT 1177 45th Ave Emeryville, CA 94605		B. State Generator's ID No. 08227138			
4. Generator's Phone (415) 891-4932		C. State Transporter's ID 003055			
5. Transporter 1 Company Name H+H SHIP SERVICE CO INC 220 China Basin St San Francisco, CA 94107		D. Transporter's Phone 415-543-4835			
6. US EPA ID Number 007771168		E. State Transporter's ID			
7. Transporter 2 Company Name		F. Transporter's Phone			
8. Designated Facility Name and Site Address H+H SHIP SERVICE CO INC 220 China Basin St San Francisco, CA 94107		G. State Facility's ID			
9. US EPA ID Number 004771168		H. Facility's Phone 415-543-4835			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Waste HAZARDOUS Liquid N.O.S. NA 9189 ORM-E		12. Containers No. Type 0101770510106	13. Total Quantity Unit 6	14. Waste No. State 222 EPA/Other N/A	
10. US DOT Description b.		12. Containers No. Type		13. Total Quantity Unit	14. Waste No. State EPA/Other
10. US DOT Description c.		12. Containers No. Type		13. Total Quantity Unit	14. Waste No. State EPA/Other
10. US DOT Description d.		12. Containers No. Type		13. Total Quantity Unit	14. Waste No. State EPA/Other
J. Additional Descriptions for Materials Listed Above 90% Water 5% Sludge 5% Diesel		K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information Rubber glove, EYE PROTECTION,					
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 RAJINDER S. DHALIWAL		Signature Rajinder S. Dhaliwal	Month Day Year 04/16/89		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DONALD D. BASKERVILLE		Signature Donald D. Baskerville	Month Day Year 04/16/89		
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 Roshan Shadlow					
Signature Roshan Shadlow		Month Day Year 04/17/89			



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



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1963

Date Reported: 04/17/89
 Date Analyzed: 04/17/89
 Date Received: 04/17/89

Manifest/Log No.: 88227738

Client: AC Transit
 1177 45th Street, Emeryville, California 94604

Sample Description: Wastewater and oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	N.A.		2.5 - 12.5
Solids*		1.0		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.
 **Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL SPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-952-6655

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA109811389540217916	2. Manifest Document No.	3. Page	4. Information in the shaded areas is not required by Federal law.
5. Generator's Name and Mailing Address C. Transit 1177-45th Street, Emeryville, CA 94608		6. State Generator's ID HSHQ36-018635		7. Generator's Phone (415) 891-4939	
8. Transporter 1 Company Name H&H Ship Service Co.		9. US EPA ID Number CA1004771168		10. State Transporter's ID 005257	
11. Transporter 2 Company Name		12. US EPA ID Number		13. Transporter's Phone	
14. Designated Facility Name and Site Address H&H Ship Service 220 China Basin St. San Francisco, CA 94107		15. US EPA ID Number CA1004771168		16. State Facility's ID (415) 543-0906	
17. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		18. Containers No.	19. Total Quantity	20. Unit	21. Waste No.
a. Waste Hazardous Liquid, N.O.S. NA 9189 ORM-E		0011	1705	01010	State: 222 EPA/Other: N/A
b.					State:
c.					EPA/Other:
d.					State:
e.					EPA/Other:
J. Additional Descriptions for Materials Listed Above 90% Water 5% Sludge 5% Diesel		K. Handling Codes for Wastes Listed Above a. 01			
15. Special Handling Instructions and Additional Information Rubber Gloves, Respirator, Eye Protection, Rubber Boots					
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.					
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Marshall Seavey		Month Day Year 10/7/17/89	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature Donald Baskerville		Month Day Year 10/4/16/89	
19. Discrepancy Indication Space		Signature Reshan Shakou			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Reshan Shakou		Signature		Month Day Year 10/4/17/89	



LABORATORY REPORT

H & H Lab ID No.: 1961

Date Reported: 04/17/89
 Date Analyzed: 04/17/89
 Date Received: 04/17/89

Manifest/Log No.: 88227556

Client: AC Transit
 1177 45th Street, Emeryville, California 94608

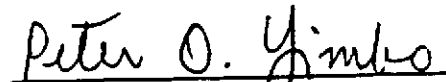
Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		5%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.


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

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



UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. CA D 11389547 17121312

Manifest Document No. 2. State Information in the shaded areas

3. Generator's Name and Site Address: A-C TRANSIT 7177 45th St Emeryville CA 94605

4. Generator's Phone (415) 891-4932

6. Transporter 1 Company Name: H & H Ship Service 8. US EPA ID Number: CA D 11010417711168

7. Transporter 2 Company Name 9. Designated Facility Name and Site Address: H & H Ship Service Company 220 China Basin St San Francisco, CA 94107

10. US EPA ID Number: CA D 11010417711168

11. State Transporter's ID: 603957

12. State Transporter's Phone: (415) 543-4885

13. State Facility's ID

14. Facility's Phone: (415) 543-9135

Table with 4 columns: 11. US DOT Description, 12. Containers, 13. Total Quantity, 14. Unit. Row 1: WASTE HAZARDOUS LIQUID N.O.S. NA 9189 ORM-E, 0101 TT, 0151010106, 6. Includes sub-sections for State, EPA/Other, and Waste No.

J. Additional Descriptions for Materials Listed Above: 90% water, 5% sludge, 5% Diesel.

K. Handling Codes for Wastes Listed Above: a. 01

15. Special Handling Instructions and Additional Information: Gloves

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.

Printed/Typed Name: WING K HUI Signature: [Signature] Month Day Year: 10/17/89

17. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: Robert V. Petrucci Signature: [Signature] Month Day Year: 10/17/89

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: Reshan. Shalton Signature: [Signature] Month Day Year: 10/17/89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-424-8802



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1964

Date Reported: 04/17/89

Date Analyzed: 04/17/89

Date Received: 04/17/89

Manifest/Log No.: 88227737

Client: AC Transit

1177 45th Street, Emeryville, California 94604

Sample Description: Wastewater and oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	N.A.	2.5 - 12.5	
Solids*		3.0	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

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



SPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-865-7552
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL HAZARDOUS WASTE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-865-7552

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D 9 8 1 3 8 9 5 4 7 2 0 7 5 5 5		Manifest Document No.		- 2. Page 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address A.C. Transit 1177-45th St, Emeryville, CA 94605				6. US EPA ID Number		B. State Generator's ID H 5 4 3 3 6 1 - 0 1 8 6 3 5		C. State Transporter's ID O C E 7 5 J	
4. Generator's Phone (415) 871-4932				7. Transporter 1 Company Name H & H Ship Service		D. Transporter's Phone 4 5 5 4 3 - 9 8 3 6		E. State Transporter's ID	
5. Transporter 1 Company Name				8. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID	
7. Transporter 2 Company Name				9. Designated Facility Name and Site Address H & H Ship Service 220 China Basin St San Francisco, CA 94107		10. US EPA ID Number CA D 1 0 0 4 7 7 1 1 6 8		H. Facility's Phone (415) 543-0906	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Waste Hazardous Liquid, N.O.S. NA 9189 ORM-E				0101 T T 015 00 0 G				Waste No. State 222 EPA/Other N/A State	
b.								EPA/Other	
c.								State	
d.								EPA/Other	
J. Additional Descriptions for Materials Listed Above 90% Water 5% Sludge 5% Diesel				K. Handling Codes for Wastes Listed Above a. 01		b.		c.	
15. Special Handling Instructions and Additional Information Rubber Gloves, Respirator, Eye Protection, Rubber Boots				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 Marshall Seavey		Signature Marshall Seavey	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Ronald Baskerville		Signature Ronald Baskerville		Month Day Year 10/1/88	
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 Cleveland Valley		Signature Cleveland Valley	
								Month Day Year 10/1/88	

Do Not Write Below This Line White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS To P.O. Box 3000, Sacramento, CA 95812



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



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1973

Date Reported: 04/19/89
 Date Analyzed: 04/18/89
 Date Received: 04/18/89

Manifest/Log No.: 88227555

Client: AC Transit
 1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.
 **Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA098131895A721710104**

Manifest Document No. **45031**

2. Page 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
A.C. Transit
1177-45th Street, Emeryville, CA 94608

B. State Generator's ID
H5H9361-0158635

4. Generator's Phone (415) 891-9939

C. State Transporter's ID
003757

5. Transporter 1 Company Name
H & H Ship Service

6. US EPA ID Number
CA00047711168

D. Transporter's Phone
(415) 543-0906

7. Transporter 2 Company Name

8. US EPA ID Number

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 Service
220 China Basin
San Francisco, CA 94107

10. US EPA ID Number
CA00047711168

(415) 543-0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a.	12. Containers No.	13. Total Quantity	14. Unit WT/Vol	Waste No.
Waste Hazardous Liquid N.A.S.				222
NA 9189 DRM-E	001	1	TA5000 G	N/A
b.				State EPA/Other
c.				State EPA/Other
d.				State EPA/Other

J. Additional Descriptions for Materials Listed Above
90% Water
5% Sludge
5% Diesel

K. Handling Codes for Wastes Listed Above
 a. **01**
 b.
 c.
 d.

16. Special Handling Instructions and Additional Information
Rubber Gloves, Respirator, Eye Protection, Rubber Boots

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: **Marshall Seavey** Signature: *Marshall Seavey* Month Day Year: **10/1/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **Robert V. Petrucci** Signature: *Robert V. Petrucci* Month Day Year: **10/1/88**

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: **Cleveland Valley** Signature: *Cleveland Valley* Month Day Year: **10/1/88**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-751

GENERATOR

TRANSPORTER

FACILITY



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



W. J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1972

Date Reported: 04/19/89
 Date Analyzed: 04/18/89
 Date Received: 04/18/89

Manifest/Log No.: 88227004

Client: AC Transit
 1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

Please print or type. Forms designed for use on 8 1/2 inch typewriter.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD9813899470000

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

2. Generator's Name and Mailing Address: ACT TRANSIT, 1177 45th ST Emeryville CA. 94608

A. State Generator's ID: 88227022

4. Generator's Phone (415) 891-4939

C. State Transporter's ID: 003756

5. Transporter 1 Company Name: H&H Ship Service

D. Transporter's Phone: 543-4835

7. Transporter 2 Company Name

E. State Transporter's ID

9. Designated Facility Name and Site Address: H&H Ship Service, 220 China Basin, San Francisco Ca. 94107

G. State Facility's ID: CAD004771168

10. US EPA ID Number: CAD004771168

H. Facility's Phone: 543-4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number): WASTE HAZARDOUS LIQUID NOS NA 9199

12. Containers: 1 No., 1 Type

13. Total Quantity: 1501010 G

14. Unit Wt/Vol: G

15. Waste No.: 222

Additional Descriptions for Materials Listed Above: 90% WATER, 5% Sludge, 5% DIESEL

K. Handling Codes for Wastes Listed Above: a. 01

15. Special Handling Instructions and Additional Information: RUBBER GLOVES, RESPIRATOR, EYE PROTECTOR RUBBER BOOTS

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.

17. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: Preston CHENAULT, Signature: Preston Chenaunt, Month Day Year: 04/18/89

18. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name: Robert V. Petrucci, Signature: Robert V. Petrucci, Month Day Year: 04/18/89

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: Cleveland Valley, Signature: [Signature], Month Day Year: 04/18/89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL SPILL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-622-7552



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



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1975

Date Reported: 04/19/89
 Date Analyzed: 04/18/89
 Date Received: 04/18/89

Manifest/Log No.: 88227022

Client: AC Transit
 1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5	2.5 - 12.5	
Solids*		5.0%	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.
 **Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. CAD981138954729020

Manifest Document No. 10120

2. Page 1 Information in the Manifest

3. Generator's Name and Mailing Address
A.C. Frank
1177-45th St. Emeryville, CA 94605

B. State Generator's ID
HBAHQ316201865

4. Generator's Phone (415) 891-4932

C. State Transporter's ID
003754

5. Transporter 1 Company Name
H & H Ship Service

D. Transporter's Phone (415) 543-4336

6. Transporter 1 US EPA ID Number
CAD004771168

E. State Transporter's ID

7. Transporter 2 Company Name

F. Transporter's Phone

8. Designated Facility Name and Site Address
H & H Ship Service
220 China Basin St
San Francisco CA 94107

G. State Facility's ID

9. Designated Facility US EPA ID Number
CAD004771168

H. Facility's Phone (415) 543-0906

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, N.O.S. NA 9189 DRM-E	0011	TIT	05,000	G	State: 2 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
90% Water
5% Sludge
5% Diesel

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Rubber Gloves, Respirator, Eye Protector, Rubber Boots

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: Marshall Seavey
Signature: Marshall Seavey
Month Day Year: 04/20/89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert V. Petrucci
Signature: Robert V. Petrucci
Month Day Year: 04/20/89

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: PETER YIMBO
Signature: Peter O. Yimbo
Month Day Year: 04/21/89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATION. RESPONSE CENTER 1-800-424-6802; WITHIN CALIFORNIA CALL 1-800-852-756



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



W. J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1991
 Manifest/Log No.: 88227023

Date Reported: 04/21/89
 Date Analyzed: 04/20/89
 Date Received: 04/20/89

Client: AC Transit
 1177 45th Street, Emeryville, California 94605

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

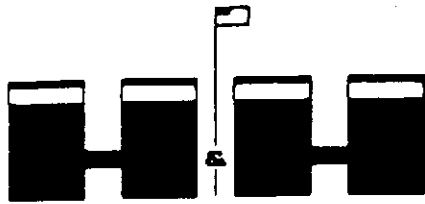
PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.D.		

*Required range for acceptance in this TSD facility.
 **Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAID981389547217024	2. Page 1	Information in the shaded areas is not required by Federal law.	
5. Generator's Name and Mailing Address A.C. TRANSIT 1177 47th ST EMERYVILLE CA. 94605			A. State Manifest Document No. 88227024		
6. Transporter 1 Company Name- H&H Ship SERVICE			8. US EPA ID Number CAID01047711168	C. State Transporter's ID 003754	
7. Transporter 2 Company Name			9. US EPA ID Number	D. Transporter's Phone (415) 543-4936	
9. Designated Facility Name and Site Address H&H Ship SERVICE 220 CHINA BASIN SAN FRANCISCO Ca. 94107			10. US EPA ID Number CAID01047711168	E. State Facility's ID 0	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone (415) 543-0906	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit WT/Vol	L. Waste No.
*WASTE HAZARDOUS LIQUID N.O.S. NA 9189 ORM-E		001 TT 05000G			State EPA/Other State EPA/Other State EPA/Other State EPA/Other
J. Additional Descriptions for Materials Listed Above 90% WATER 5% SLUDGE 5% DIESEL			K. Handling Codes for Wastes Listed Above a. DI b. c. d.		
15. Special Handling instructions and Additional Information RUBBER GLOVES, RESPIRATOR, EYE PROTECTOR, RUBBER BOOTS					
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 PRESTON CHENAULT		Signature <i>Preston Chenault</i>		Month Day Year 04/20/89	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ROBERT V. PETRUCCI		Signature <i>Robert V. Petrucci</i>		Month Day Year 04/20/89	
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 PETER YIMBO					
		Signature <i>Peter O. Yimbo</i>		Month Day Year 04/21/89	



ENVIRONMENTAL SERVICES
(DIVISION OF M&H SHIP SERVICE CO., INC.)

W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1992
Manifest/Log No.: 88227024

Date Reported: 04/21/89
Date Analyzed: 04/20/89
Date Received: 04/20/89

Client: AC Transit
1177 45th Street, Emeryville, California 94605

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	8.5		2.5 - 12.5
Solids*		1.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo
Peter O. Yimbo, P.E.
Chemist/Laboratory Director

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



8022 1334 8022 1334 8022 1334
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL SPILL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7155

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CAD9813199547120756K**

2. Page 1 of 1
 3. Information in the block is the responsibility of the generator.

3. Generator's Name and Mailing Address
A.C. Transit
1177-43rd St., Emeryville, CA 94605

4. State Department of Transportation
HWHQ316-018623

4. Generator's Phone (415) 891-4939

5. State Transporter's ID
003755

5. Transporter 1 Company Name
H & H Ship Service

6. Transporter's Phone (415) 543-7875

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

7. State Facility's ID
 8. Facility's Phone
(415) 543-0906

9. Designated Facility Name and Site Address
H & H Ship Service
220 China Basin St
San Francisco, CA 94107

10. US EPA ID Number
CAD0047711168

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
				State	EPA/Other
a. Waste Hazardous Liquid N.O.S. NA 9189 ORM-E	0101	TIT015000	G	222	N/A
b.					
c.					
d.					

15. Waste No.	
State	EPA/Other
222	N/A

J. Additional Descriptions for Materials Listed Above
90% Water
5% Sludge
5% Diesel

K. Handling Codes for Wastes Listed Above
 a. **01**
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
Rubber Gloves, Respirator, Eye Protector, Rubber Boots

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: **Marshall Seavey** Signature: *Marshall Seavey* Month Day Year: **10/21/89**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **DONALD D BASKERVILLE** Signature: *Donald D Baskerville* Month Day Year: **10/21/89**

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: **PETER YIMBO** Signature: *Peter O. Yimbo* Month Day Year: **10/21/89**



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



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1994
 Manifest/Log No.: 88227554

Date Reported: 04/21/89
 Date Analyzed: 04/21/89
 Date Received: 04/21/89

Client: AC Transit
 1177 45th Street, Emeryville, California 94605

Sample Description: Wastewater with oily sludge.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.25		2.5 - 12.5
Solids*		4.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.D.		

*Required range for acceptance in this TSD facility.
 **Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

UNIFORM HAZARDOUS WASTE MANIFEST
 Generator's US EPA ID No. CA 091389047311455
 Manifest Document No. 10007551

3. Generator's Name and Mailing Address
 A.C. Transit
 1177-45th St., Emeryville, CA 94605
 4. Generator's Phone (415) 891-4939

5. Transporter 1 Company Name
 H & H Ship Service
 6. US EPA ID Number
 CA 0004771168
 7. Transporter 2 Company Name
 8. US EPA ID Number

9. Designated Facility Name and Site Address
 H & H Ship Services
 220 China Basin St.
 San Francisco, CA 94107
 10. US EPA ID Number
 CA 0004771168 (415) 543-0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit	15. Waste No.
	No.	Type		Wt/Vol	
a. Waste Hazardous Liquid N.O.S. NA 9189 ORM-E	01	T	05000	G	222 SN/A
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
 95% Water
 5% Diesel

K. Handling Codes for Wastes Listed Above
 a. 01

15. Special Handling Instructions and Additional Information
 Rubber Gloves, Respirator, Eye Protector, Rubber Boots

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: Marshall Seavey
 Signature: Marshall Seavey
 Month Day Year: 04/21/89

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: JOSE MORENO
 Signature: Jose Moreno
 Month Day Year: 04/21/89

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

19. Discrepancy Indication Space

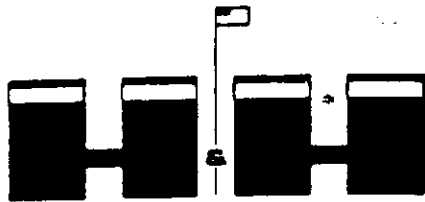
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
 Printed/Typed Name: Reshan Shorten
 Signature: Reshan Shorten
 Month Day Year: 04/21/89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL POISON CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7330

GENERATOR

TRANSPORTER

FACILITY



ENVIRONMENTAL SERVICES

(DIVISION OF H&H SHIP SERVICE CO., INC.)

W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1999

Date Reported: 04/21/89

Manifest/Log No.: 88231455

Date Analyzed: 04/21/89

Date Received: 04/21/89

Client: AC Transit

1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.65		2.5 - 12.5
Solids*		4.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo

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

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



IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL SPILL RESPONSE CENTER 1-800-424-6802; WITHIN CALIFORNIA CALL 1-800-852-7650

UNIFORM HAZARDOUS WASTE MANIFEST AND RECEIPT FOR TRANSPORTATION

Generator's Name and Mailing Address: H+H SHIP SERVICE CO, 1177 45TH ST, Emeryville CA 94665

Generator's Phone: 415 891-4939

Transporter 1 Company Name: H+H Ship Service CO, US EPA ID Number: CA D0104771168

Transporter 2 Company Name: (blank), US EPA ID Number: (blank)

Designated Facility Name and Site Address: H+H SHIP SERVICE CO INC, 220 CHINA BASIN ST, SAN FRANCISCO CA, 94107, CA D0104771168

US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number): Waste Hazardous Liquid NDS - N/A 9189, ORM-E

Containers: 12. Containers No. 001, Type T, Total Quantity 50.00, 14. Unit Wt/Vol 0.00

Table with 4 columns: Container No., Type, Total Quantity, Unit Wt/Vol. Row 1: 001, T, 50.00, 0.00

Additional Descriptions for Materials Listed Above: 95% water, 5% Diesel

Manifest No: HSN 106-012315, State of Origin: CA, State of Destination: CA, Facility's Phone: 415 891-4939

Special Handling Instructions and Additional Information: Rubber Gloves, Respirator Eye Protector.

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.

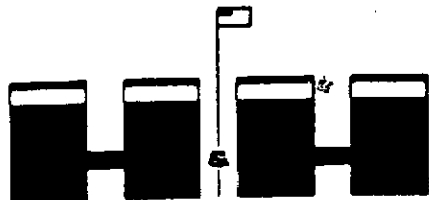
Printed/Typed Name: P.A. LENDWAY, Signature: P.A. Lendway, Month Day Year: 04/22/89

Transporter 1 Acknowledgement/Receipt of Materials: Printed/Typed Name: JOSE MORALES, Signature: Jose Morales, Month Day Year: 04/22/89

Transporter 2 Acknowledgement/Receipt of Materials: Printed/Typed Name: (blank), Signature: (blank), Month Day Year: (blank)

Discrepancy Indication Space: (blank)

Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19: Printed/Typed Name: PETER YIMBO, Signature: Peter O. Yimbo, Month Day Year: 04/23/89



ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

W.J. HARRIS, JR.

LABORATORY REPORT

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

H & H Lab ID No.: 2002
Manifest/Log No.: 88231457

Date Reported: 04/24/89
Date Analyzed: 04/23/89
Date Received: 04/23/89

Client: AC Transit
1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0	2.5 - 12.5	
Solids*		0%	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo

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



UNIFORM HAZARDOUS WASTE MANIFEST FOR ON-ROAD TRANSPORT

1. Generator's Name: **EMERGENCYVILLE, CA 94605**

4. Generator's Phone: **415 891-4939**

5. Transporter 1 Company Name: **H & H SHIP SERVICE**

6. US EPA ID Number: **CAD004771168**

7. Transporter 2 Company Name: _____

8. US EPA ID Number: _____

9. Designated Facility Name and Site Address: **H & H SHIP SERVICE
220 CHINA BASIN
SAN FRANCISCO, CA 94107**

10. US EPA ID Number: **CAD004771168**

C. State Transporter's ID: **003952**

D. Transporter's Phone: **542-4871**

E. State Transporter's ID: _____

F. Transporter's Phone: _____

G. State Facility's ID: _____

H. Facility's Phone: **542-4871**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	State EPA/Other
	No.	Type			
a. WASTE HAZARDOUS LIQUID NOS COR-E			ADDITIONAL 15,000 G		CA
b. _____					
c. _____					
d. _____					

J. Additional Descriptions for Materials Listed Above

95% WATER

5% DIESEL

K. Handling Codes for Wastes Listed Above

a. **01**

b. _____

c. _____

d. _____

15. Special Handling Instructions and Additional Information

GLASS

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.

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: **Steve Tracey**

Signature: *Steve Tracey*

Month Day Year: **04/23/89**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: **STEVE MESQUITE**

Signature: *Steve Mesquite*

Month Day Year: **04/23/89**

19. Discrepancy Indication Space

Printed/Typed Name: _____

Signature: _____

Month Day Year: _____

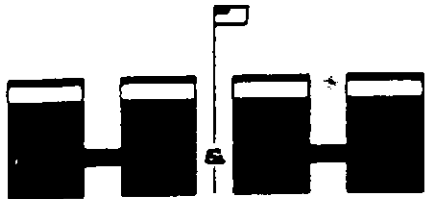
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: **PETER YIMBO**

Signature: *Peter O. Yimbo*

Month Day Year: **04/24/89**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650



ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2004
Manifest/Log No.: 88227011

Date Reported: 04/24/89
Date Analyzed: 04/23/89
Date Received: 04/23/89

Client: AC Transit
1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	<5.0	0.2	250.0
pH*	150.1	7.0	2.5 - 12.5	
Solids*		0%	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.D.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo

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

220 CHINA BASIN, P.O. BOX 7363 • SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835



UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 5981 B 81954 91160 P

2. Generator Name and Site Address
AC TRANSIT
 1177 45th ST EMERYVILLE CA 94605

3. Generator's Phone **415 891 4939**

4. Transporter 1 Company Name **H+H SHIP SERVICE CO**

5. Transporter 1 US EPA ID Number **CA D010477 1168 P**

6. Transporter 1 Phone **415 543 4835**

7. Transporter 2 Company Name

8. Transporter 2 US EPA ID Number

9. Designated Facility Name and Site Address
H+H SHIP SERVICE CO
220 CHINA BASIN
SAN FRANCISCO CA 94107

10. Designated Facility US EPA ID Number **CA D010477 1168 P**

11. Facility's Phone **415 543 4835**

12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
			WASTE HAZARDOUS LIQUID, N.O.S.
			NA 9189 ORM-E

16. Additional Descriptions for Materials Listed Above

95% WATER
5% DIESEL

17. Handling Codes for Wastes Listed Above

a. **01**

15. Special Handling Instructions and Additional Information

PROTECTIVE GEAR

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: **RAJINDER S. DHALIWAL** Signature: *Rajinder S. Dhaliwal* Month Day Year: **10 14 12 3 18 19**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: **FRED MORGAN** Signature: *Fred Morgan* Month Day Year: **10 14 23 8 19**

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: **PETER YIMBO** Signature: *Peter O. Yimbo* Month Day Year: **10 14 24 8 19**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-1550



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2005
Manifest/Log No.: 88227800

Date Reported: 04/24/89
Date Analyzed: 04/23/89
Date Received: 04/23/89

Client: AC Transit
1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0		2.5 - 12.5
Solids*		0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.D.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

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



Please Print or Type (Form designed for use on 12-pitch typewriter)

and Front of Page 7

Sacramento, California

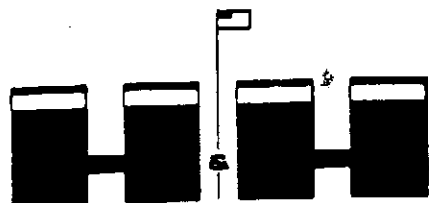
1. Generator's Name and Mailing Address AZ TRANSIT 1177-45th St Emeryville, CA, 94605		2. Generator's Phone 415 891-4939		3. Generator's EPA ID No. CA D004771168		4. Manifest No. 1389569		5. Date 11/15/81		6. Facility Name and Address HEH SHIP SERVICE CO INC 220 China Basin St San Francisco CA 94107		7. Facility's EPA ID No. CA D004771168		8. Facility's Phone 415 543-0706	
9. Designated Facility Name and Site Address HEH SHIP SERVICE CO INC 220 China Basin St San Francisco CA 94107		10. US EPA ID Number CA D004771168		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE HAZARDOUS LIQUID NOS. N/A 9189 ORM-E		12. Containers No. Type 001 W 05 00 0 G		13. Total Quantity		14. Unit Wt/Vol		15. Waste No. 171A		16. State CA	
17. Transporter 1 Company Name H+H Ship Service, CO, INC		18. Transporter 1 Phone 415 543-2100		19. Transporter 1 EPA ID Number CA D004771168		20. Transporter 2 Company Name		21. Transporter 2 Phone		22. Transporter 2 EPA ID Number		23. State (Transporter's)		24. State (Facility's)	
25. Additional Descriptions for Materials Listed Above 95% WATER 5% Diesel		26. Handling Codes for Wastes Listed Above a. 01		27. State CA		28. EPA/Other		29. State CA		30. EPA/Other		31. State CA		32. EPA/Other	
15. Special Handling Instructions and Additional Information Rubber Gloves, Respirator, Eye Protector, Rubber Boots															
18. 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.															
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Steve Tracy				Signature <i>Steve Tracy</i>				Month Day Year 10/4/23/81							
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name JOSE MONERO				Signature <i>Jose Monero</i>				Month Day Year 10/4/23/81							
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Rem 19 Printed/Typed Name PETER YIMBO															
Signature <i>Peter O. Yimbo</i>				Month Day Year 10/4/24/81											

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

GENERATOR

TRANSPORTER

FACILITY



ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2006
Manifest/Log No.: 88231456

Date Reported: 04/24/89
Date Analyzed: 04/23/89
Date Received: 04/23/89

Client: AC Transit
1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0		2.5 - 12.5
Solids*		0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.D.		

*Required range for acceptance in this TSD facility.
**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

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





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

W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2003
 Manifest/Log No.: 88227535

Date Reported: 04/24/89
 Date Analyzed: 04/23/89
 Date Received: 04/23/89

Client: AC Transit
 1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	<5.0	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	7.0		2.5 - 12.5
Solids*		0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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



UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA00047711168**

2. Generator's Name and Mailing Address
**A.C. Transit
1177-45th St Emeryville, CA 94605**

4. Generator's Phone **(415) 891-4939**

6. Transporter 1 Company Name **H&H SHIP SERVICE**

8. US EPA ID Number **CA00047711168**

7. Transporter 2 Company Name

9. US EPA ID Number

9. Designated Facility Name and Site Address
**HEH SHIP SERVICE CO.
220 CHINA BASIN ST,
SAN FRANCISCO, CA 94107**

10. US EPA ID Number **CA00047711168**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No.	13. Total Quantity	14. Unit WT/Vol	Waste No.	
			State	EPA/Other
			222	N/A

15. 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.

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **Marshall Seavey** Signature *Marshall Seavey* Month Day Year **10/9/24/89**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name **ESTEBAN M. PENALVER** Signature *Esteban - PS* Month Day Year **10/4/24/89**

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 **Roshan Shastri** Signature *Roshan Shastri* Month Day Year **10/9/24/89**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL FIRE CENTER 1-800-485-8802. WITHIN GREEN ORANGE OR RED ZONES, CALL THE NATIONAL FIRE CENTER 1-800-485-8802. WITHIN GREEN ORANGE OR RED ZONES, CALL THE NATIONAL FIRE CENTER 1-800-485-8802.



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



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2009
 Manifest/Log No.: 88227046

Date Reported: 04/25/89
 Date Analyzed: 04/24/89
 Date Received: 04/24/89

Client: AC Transit
 1177 45th Street, Emeryville, California 94605

Sample Description: Oily wastewater.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	<5.0	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 800-533-6666

UNIFORM HAZARDOUS WASTE MANIFEST 1. Generator's US EPA ID No. CAD987738951297025 2. Page 1 of 1 Information in the shaded areas is not required.

3. Generator's Name and Mailing Address: A.C. Transit, 1177-45th St., Emeryville, CA 94605
4. Generator's Phone (415) 891-4932
5. State Generator's ID: HSHMQ36-018635

6. Transporter 1 Company Name: H & H Ship Service
7. Transporter 1 US EPA ID Number: CAD0047711168
8. Transporter 1 Phone (415) 543-4936
9. State Transporter's ID: 0
10. Transporter 2 Company Name: [Blank]
11. Transporter 2 US EPA ID Number: [Blank]
12. State Transporter's ID: [Blank]
13. Transporter 2 Phone: [Blank]

14. Designated Facility Name and Site Address: H & H Ship Service, 220 China Basin St., San Francisco, CA 94107
15. Designated Facility US EPA ID Number: CAD10147711168
16. State Facility's ID: [Blank]
17. Facility's Phone: (415) 543-0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
				State	EPA/Other
a. Waste Hazardous Liquid, N.O.S. NA 9189 ORM-E	0011	TT05000 G		222	N/A
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: 90% Water, 5% Sludge, 5% Diesel
K. Handling Codes for Wastes Listed Above: a. 01

15. Special Handling Instructions and Additional Information: Rubber Gloves, Respirator, Eye Protector, Rubber Boots

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.

Printed/Typed Name: Marshall Seavey
Signature: Marshall Seavey
Month Day Year: 04/18/89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert V. Petrucci
Signature: Robert V. Petrucci
Month Day Year: 04/18/89

18. Transporter 2 Acknowledgement 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: Cleveland Valley
Signature: [Signature]
Month Day Year: 04/18/89

Form 39"
3rd. 20"



W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 1974

Date Reported: 04/19/89
Date Analyzed: 04/18/89
Date Received: 04/18/89

Manifest/Log No.: 88227005

Client: AC Transit
1177 45th Street, Emeryville, California 94608

Sample Description: Wastewater with oily sludge.
=====

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		5.0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.
**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

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



IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9302; WITHIN CALIFORNIA CALL 1-800-852-755X

GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D9181318954721067		2. Page 1		Information in the adjacent column	
3. Generator's Name and Mailing Address AC TRANSIT 1177-45th ST EMERYVILLE, CA. 94605				E. State Generator's ID HS1119316-1012863-5			
4. Generator's Phone (415) 891-4939		5. Transporter 1 Company Name HEH Ship SERVICE		6. US EPA ID Number CA D0047711168		C. State Transporter's ID 1002675	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (415) 543-4835		E. State Transporter's ID	
9. Designated Facility Name and Site Address HEH Ship SERVICE 220 CHINA BASIN ST SAN FRANCISCO CA. 94070				10. US EPA ID Number CA D101047711168		G. State Facility's ID	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity Unit	
a. WASTE HAZARDOUS LIQUID N.O.S. NA 9189 ORM-E				01/TT 050100 G		Waste No. 222	
b.						EPA/Other	
c.						EPA/Other	
d.						EPA/Other	
J. Additional Descriptions for Materials Listed Above 95% WATER 5% DIESEL				K. Handling Codes for Wastes Listed Above a. 01			
15. Special Handling Instructions and Additional Information RUBBER GLOVES, RESPIRATOR, EYE PROTECTOR, RUBBER BOOTS							
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 PRESTON CHENAULT				Signature <i>Preston Chenault</i>		Month Day Year 04 25 89	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name KEVIN E. JOHNSON				Signature <i>Kevin E. Johnson</i>		Month Day Year 01 23 89	
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 PETER YIMBO							
Signature <i>Peter O. Yimbo</i>				Month Day Year 04 27 89			



W. J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2012
 Manifest/Log No.: 88227067

Date Reported: 04/27/89
 Date Analyzed: 04/26/89
 Date Received: 04/26/89

Client: AC Transit
 1177 45th Street, Emeryville, California 94605

Sample Description: Wastewater with oil.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	<5.0	0.04	25.0
Zinc	7950	N.D.	0.2	250.0
pH*	150.1	6.5		2.5 - 12.5
Solids*		0%		0 - 20%
Flashpoint*	1010	N.A.		>140°F
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

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

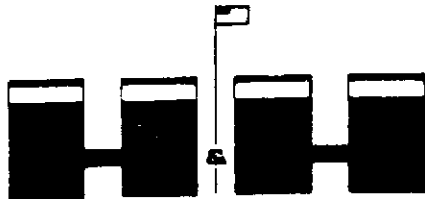
220 CHINA BASIN, P.O. BOX 77363 • SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835



Please print or type. (Form designed for use on 4410 (12-pitch typewriter))

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. CA D 98138964727014	Manifest No.	Page 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address A.C. TRANSIT 8171 45th ST EMERYVILLE 94605		4. Generator's Phone (415) 891-4939		5. State Generator's ID HSH036-181635	
5. Transporter 1 Company Name HEH SHIP SERVICE		6. US EPA ID Number CA D 0047711168		7. State Transporter's ID 003755	
7. Transporter 2 Company Name		8. US EPA ID Number		9. State Transporter's ID	
9. Designated Facility Name and Site Address HEH SHIP SERVICE 220 CHINA BASIN ST. SAN FRANCISCO 94107		10. US EPA ID Number CA D 0047711168		11. State Facility's ID (415) 543-4835	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No. State EPA/Other
a. WASTE HAZARDOUS LIQUID N.O.S. NA 9189 ORM-E		991 TT	051000	G	222 N/A
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above 95% WATER 5% DIESEL		K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information RUBBER GLOVES RESPIRATOR EYE PROTECTOR RUBBER BOOTS					
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 Preston Chenuault		Signature Preston Chenuault		Month Day Year 04 26 89	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Jose Moreno		Signature Jose Moreno		Month Day Year 04 26 89	
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 PETER YIMBO					
Signature Peter O. Yimbo		Month Day Year 10 27 89			

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL HAZARD RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650



ENVIRONMENTAL SERVICES

(DIVISION OF H&H SHIP SERVICE CO., INC.)

W.J. HARRIS, JR.

LABORATORY REPORT

H & H Lab ID No.: 2016

Date Reported: 04/27/89

Manifest/Log No.: 88227074

Date Analyzed: 04/26/89

Date Received: 04/26/89

Client: AC Transit

1177 45th Street, Emeryville, California 94605

Sample Description: Wastewater with oil.

ANALYSIS REPORT

PARAMETER	EPA METHOD	RESULT (mg/L)	DETECT. LIMIT (mg/L)	STLC LIMIT (mg/L)
Arsenic	7060	N.D.	1.0	5.0
Cadmium	7130	N.D.	0.005	1.0
Chromium (total)	7190	N.D.	0.05	560.0
Lead	7420	N.D.	0.5	5.0
Nickel	7520	N.D.	0.04	25.0
Zinc	7950	<5.0	0.2	250.0
pH*	150.1	6.5	2.5 - 12.5	
Solids*		0%	0 - 20%	
Flashpoint*	1010	N.A.	>140°F	
PCB's**		N.A.		

*Required range for acceptance in this TSD facility.

**Determination by PCB's Screening Kit, Dexsil Corp., Hamden, Connecticut.

Peter O. Yimbo

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

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



APRIL 28, 1988 - JUNE 7, 1988
(WITHOUT ANALYSES)

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1D981131891519700091	Manifest Document No. 000091	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address A.C. Transit 1177-45th St Emeryville, CA 94605			A. State Manifest Document Number 88227126		
4. Generator's Phone (415) 891-4939			B. State Generator's ID HLSHQ361-10/18/835		
5. Transporter 1 Company Name H3H SHIP SERVICE			C. State Transporter's ID 80376		
6. US EPA ID Number CA1D004771168			D. Transporter's Phone 415-4835		
7. Transporter 2 Company Name			E. State Transporter's ID		
8. US EPA ID Number			F. Transporter's Phone		
9. Designated Facility Name and Site Address H3H SHIP SERVICE 220 CHINA BASIN SALFORD CA 94117			G. State Facility's ID CA1D004771168		
10. US EPA ID Number			H. Facility's Phone 415-4835		
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.
a. WASTE HAZARDOUS LIQUID NO CRM-E		1	1	6	241
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above 989 WATER 220 DIESEL			K. Handling Codes for Wastes Listed Above 01		
15. Special Handling Instructions and Additional Information COLLECT					
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 Marshall Seaman		Signature <i>Marshall Seaman</i>		Month Day Year 10/18/89	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name STEVE MORGANTE		Signature <i>Steve Morgante</i>		Month Day Year 10/18/89	
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 Richard Shuckler		Signature <i>Richard Shuckler</i>		Month Day Year 10/18/89	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER AT 1-800-424-8802.

Blue 5/8

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D 981389597		Manifest Document No. 2176719		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address A.C. Transit 1177-45th St Emeryville, CA 94605						A. State Manifest Document Number 88227679			
4. Generator's Phone (415) 891-4932						B. State Generator's ID HSHQ36-019635			
5. Transporter 1 Company Name HYH SHIP SERVICE CO.			6. US EPA ID Number CA D 004771168			C. State Transporter's ID 003757		D. Transporter's Phone (415) 543-4335	
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address HYH SHIP SERVICE CO. 230 CHINA BASIN ST. SAN FRANCISCO, CA 94107						10. US EPA ID Number		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. WASTE COMBUSTIBLE LIQUID, N.O.S. NA 1993						12. Containers No. Type 01/TT03500 G		13. Total Quantity	
						14. Unit WT/Vol		I. Waste No. State 133 EPA/Other N/A	
								State	
								EPA/Other	
								State	
								EPA/Other	
								State	
								EPA/Other	
J. Additional Descriptions for Materials Listed Above DIESEL WATER						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information PROTECTIVE GEAR AND CLOTHING AS REQUIRED									
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 Marshall Seaver				Signature Marshall Seaver		Month Day Year 04/28/95			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name JAMES R. MORGAN				Signature James R. Morgan		Month Day Year 04/28/95			
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 Rushon Shadlen				Signature Rushon Shadlen		Month Day Year 04/28/95			

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD981389547		Manifest Document No. 171143		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address A.C. TRANSIT 1177-45th Street Emeryville, CA, 94608						A. State Manifest Document Number 88227143							
4. Generator's Phone (415) 891-4939						B. State Generator's ID H 94936-018635							
5. Transporter 1 Company Name H.H. SHIP SERVICE CO. INC.				6. US EPA ID Number CAD004771168		C. State Transporter's ID 003755							
7. Transporter 2 Company Name						D. Transporter's Phone 415-543-4835							
8. US EPA ID Number						E. State Transporter's ID							
9. Designated Facility Name and Site Address H.H. SHIP SERVICE CO INC 220-CHINA BASIN STREET SAN FRANCISCO, CA, 94107						10. US EPA ID Number CAD004771168							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit		15. Waste No.	
a. WASTE HAZARDOUS LIQUID N.O.S. NA 9189 ORM-E						No. Type		0 91 TT 051990 G		State		222	
b.										EPA/Other		NA	
c.										State			
d.										EPA/Other			
J. Additional Descriptions for Materials Listed Above 90% water 5% Sludge 5% Diesel						K. Handling Codes for Wastes Listed Above a. 01							
15. Special Handling Instructions and Additional Information Rubber Gloves, Respirator, Eye Protection, Rubber Boots													
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 Steve Tracy				Signature <i>Steve Tracy</i>				Month - Day - Year 12/13/98					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Jose Moreno				Signature <i>Jose Moreno</i>		Month - Day - Year 04/30/99			
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 Keshu Shakti				Signature <i>Keshu Shakti</i>		Month - Day - Year 12/13/98			

20 4 51

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>CA1D98138954722714</i>		Manifest Document No. <i>22714</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address <i>A-C TRANSIT 1177-45th Street Emeryville, CA. 94608</i>						A. State Manifest Document Number 88227142											
4. Generator's Phone (415) <i>891-4939</i>						B. State Generator's ID <i>H131461301-1011111111</i>											
5. Transporter 1 Company Name <i>HH Ship Service Co</i>				6. US EPA ID Number <i>CA1D1947711618</i>		C. State Transporter's ID <i>007250</i>											
7. Transporter 2 Company Name						D. Transporter's Phone											
8. US EPA ID Number						E. State Transporter's ID											
9. Designated Facility Name and Site Address <i>HH Ship Service Co Inc 220 China Basin St San Francisco CA 94107</i>						10. US EPA ID Number		G. State Facility's ID									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity									
a. <i>Waste Hazardous Liquid No. 3 NA 9149 DRUM - E</i> b. c. d.						No.		Type		14. Unit Wt/Vol		1. Waste No.					
								<i>1011</i>		<i>TV 050000 E</i>				State <i>222</i>		EPA/Other <i>N/A</i>	
														State		EPA/Other	
														State		EPA/Other	
														State		EPA/Other	
J. Additional Descriptions for Materials Listed Above <i>90% Water 5% Sludge 5% Solids</i>						K. Handling Codes for Wastes Listed Above a. <i>01</i> b. c. d.											
15. Special Handling Instructions and Additional Information <i>Refrigerator, low protection, handle with care</i>																	
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 wastes 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 <i>Steve Tracy</i>				Signature <i>Steve Tracy</i>			Month Day Year <i>10/11/89</i>										
17. Transporter 1 Acknowledgement of Receipt of Materials																	
Printed/Typed Name <i>Jose Moreno</i>				Signature <i>Jose Moreno</i>			Month Day Year <i>10/11/89</i>										
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 <i>Richard Blackwell</i>				Signature <i>Richard Blackwell</i>			Month Day Year <i>10/11/89</i>										

Please print or type. (Form designed for use on elite (12 pin) typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA1001047711618** Manifest Document No. **88227059**
2. Page 1 of Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
A. C. [unclear]
4. Generator's Phone () **707-441-1000**
A. State Manifest Document Number **88227059**
B. State Generator's ID **414074701845**

5. Transporter 1 Company Name **H&H SHIP SERVICE CO** 6. US EPA ID Number **CA1001047711618**
7. Transporter 2 Company Name 8. US EPA ID Number
C. State Transporter's ID **005751**
D. Transporter's Phone **(415) 543-4835**
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address **H&H SHIP SERVICE CO. 220 CHINA BASIN ST. SAN FRANCISCO CA 94124** 10. US EPA ID Number **CA1001047711618**
G. State Facility's ID **CA1001047711618**
H. Facility's Phone **(415) 543-4835**

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. WASTE COMBUSTIBLE LIQUID N.O.S. M/A 1993	01	TT	015	G	State 133 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
**DIESEL 10%
WATER 90%**
K. Handling Codes for Wastes Listed Above
a. **01** b. **:**
c. d.

15. Special Handling Instructions and Additional Information
BOOTS & GLOVES

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 **FRANK CHAMBERLAIN** Signature **[Signature]** Month Day Year **05/01/89**

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name **KEVIN E. JOHNSON** Signature **[Signature]** Month Day Year **10/01/89**

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 **ROBERT B. [unclear]** Signature **[Signature]** Month Day Year **10/01/89**

88227059
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802 WITHIN CALIFORNIA CALL 1-800-352-6850

Please print or type. (Form designed for use on elite (12 pin) typewriter).

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

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. CA0904771168	Manifest Document No. 1710113	2. Page 1 of	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address 4 C TRUSSIT 1177 43RD STREET EMERYVILLE CA 94605				A. State Manifest Document Number 88227073				
4. Generator's Phone (707) 271-4200				B. State Generator's ID HSHR036-0184215				
5. Transporter 1 Company Name HEH SHIP SERVICE		6. US EPA ID Number CA0904771168		C. State Transporter's ID 003755				
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 543-4435				
9. Designated Facility Name and Site Address HEH SHIP SERVICE 230 CHERRY STREET EMERYVILLE CA 94607		10. US EPA ID Number CA0904771168		E. State Transporter's ID				
				F. Transporter's Phone				
				G. State Facility's ID CA0904771168				
				H. Facility's Phone 543-4435				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE HAZARDOUS LIQUID WASTE N/A 2009 0207-E				12. Containers		13. Total Quantity 5	14. Unit Wt/Vol 6	1. Waste No. State 221 EPA/Other N/A
				No.	Type			
b.							State	EPA/Other
c.							State	EPA/Other
d.							State	EPA/Other
J. Additional Descriptions for Materials Listed Above OIL 5% WATER 95%				K. Handling Codes for Wastes Listed Above a. 01 b. c. d.				
15. Special Handling Instructions and Additional Information GLOVES								
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 ROSTON		Signature <i>[Signature]</i>		Month Day Year 05/18/97				
17. Transporter 1 Acknowledgement of Receipt of Materials								
Printed/Typed Name Martin Costello		Signature <i>[Signature]</i>		Month Day Year 05/18/97				
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 RASHAN BUCKLE		Signature <i>[Signature]</i>		Month Day Year 05/18/97				

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA09981389154727724	Manifest Document No. 27724	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address AC Transit 1177 - 45th Street Emeryville Ca 94605				A. State Manifest Document Number 88227724			
4. Generator's Phone (415) 491-4939				B. State Generator's ID H15H/1361-1011816315			
5. Transporter 1 Company Name H H Ship Service Co		6. US EPA ID Number CA090114711168		C. State Transporter's ID 00375H			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 415-545-1835			
9. Designated Facility Name and Site Address H H Ship Service Co 220 China Basin ST San Francisco, CA 94107				E. State Transporter's ID 415-545-1835			
10. US EPA ID Number				F. Transporter's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Combs		13. Total Quantity	
a. Waste Hazardous liquid, N.O.S. N/A 9189 ORN-E				No.	Type	14. Unit Wt/Vol	Waste No.
							State
							EPA/Other 34
							State 1/10
							EPA/Other
							State
							EPA/Other
							State
							EPA/Other
J. Additional Descriptions for Materials Listed Above 98% water 2% Diesel				K. Handling Codes for Wastes Listed Above a. 01			
15. Special Handling Instructions and Additional Information proper protective clothing				b.			
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.				c.			
17. Transporter 1 Acknowledgement of Receipt of Materials				d.			
Printed/Typed Name Richard Chauhan		Signature <i>[Signature]</i>		Month Day Year 01/17/89			
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year 05/01/89			
Printed/Typed Name Edward A. Milano		Signature <i>[Signature]</i>		Month Day Year			
19. Discrepancy Indication Space		Signature <i>[Signature]</i>		Month Day Year			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature <i>[Signature]</i>		Month Day Year 05/12/89			
Printed/Typed Name Richard Blodgett		Signature <i>[Signature]</i>		Month Day Year			

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-952-7550
 GENERATOR
 TRANSPORTER
 FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-6802; WITHIN CALIFORNIA CALL 1-800-952-7650

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA129413895472721		Manifest Document No. 1 of 1		2. Page 1 Information in the shaded areas is not required by Federal law.			
		3. Generator's Name and Mailing Address A. C. Transil 1177 - 45th St. Encinitas, CA 94605				A. State Manifest Document Number 88227020		B. State Generator's ID HJSH03670186135	
4. Generator's Phone (415) 891-4939		5. Transporter 1 Company Name H&H SHIP SERVICE		6. US EPA ID Number CA129413895472721		C. State Transporter's ID 029751		D. Transporter's Phone (415) 344736	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID CA129413895472721	
9. Designated Facility Name and Site Address H&H SHIP SERVICE CO 220 CHINA BLDG CAIRFIELD CA 94507		10. US EPA ID Number CA129413895472721		H. Facility's Phone 415-3437906		I. Waste No. 135		State CA	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) WASTE HAZARDOUS LIQUID LIQ. DIESEL UN 9189		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		EPA/Other N/A	
								State CA	
J. Additional Descriptions for Materials Listed Above Diesel Water		K. Handling Codes for Wastes Listed Above a. 01		b.		c.		d.	
15. Special Handling Instructions and Additional Information Gloves		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 Marshall Seavey		Signature <i>Marshall Seavey</i>		Month Day Year 12/12/89		17. Transporter 1 Acknowledgement of Receipt of Materials			
Printed/Typed Name Robert S. Hansen		Signature <i>Robert S. Hansen</i>		Month Day Year 12/12/89		18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name		Signature		Month Day Year		19. Discrepancy Indication Space			
Printed/Typed Name Roslan Shalabi		Signature <i>Roslan Shalabi</i>		Month Day Year 05/02/89		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.			

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA0781389597270715		Manifest Document No. 270715		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address A C Transit 1177-45th Street, Emeryville, CA 94602						A. State Manifest Document Number 88227075							
4. Generator's Phone (415) 491-4787						B. State Generator's ID H5119367019625							
5. Transporter 1 Company Name H & H Ship Services			6. US EPA ID Number CA0264977111615			C. State Transporter's ID 002754		D. Transporter's Phone (415) 543-7835					
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID					
9. Designated Facility Name and Site Address H & H Ship Services Co 220 Chestnut Basin St San Francisco, CA 94107						10. US EPA ID Number CA0264977110618		G. State Facility's ID					
						H. Facility's Phone (415) 543-0906							
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.	
a. Waste Hazardous Liquid, N.O.S NA 9189 ORM-E						691		7105442		G		State 134 EPA/Other N/A	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above Water - 98% Diesel - 2%						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.							
15. Special Handling Instructions and Additional Information Proper Protective Clothing													
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 Marshall Searcy						Signature Marshall Searcy						Month Day Year 950989	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name EDWARD E MILANO						Signature Edward E. Milano						Month Day Year 95101819	
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 Richard S. ...						Signature Richard S. ...						Month Day Year 10511989	

IN CASE OF AN EMERGENCY OR OTHER CALIFORNIA NATIONAL REASONABLE CAUSE, CALL THE NATIONAL RESPONSE CENTER AT 1-800-424-8802.

Do Not Write Below This Line

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DA

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>CA127811197197</i>	Manifest Document No. <i>127173</i>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <i>A C Service 1171 45th St Emeryville, CA 94605</i>				A. State Manifest Document Number 88227183		
4. Generator's Phone (+1) <i>914 4431</i>				B. State Generator's ID <i>115HQ36-012625</i>		
5. Transporter 1 Company Name <i>H-H Service Co</i>		6. US EPA ID Number <i>16-010104711111</i>		C. State Transporter's ID <i>0127156</i>		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <i>415 5424826</i>		
9. Designated Facility Name and Site Address <i>H-H Service Co 320 CHINA BASIN SAN FRANCISCO CA</i>				E. State Transporter's ID		
10. US EPA ID Number <i>16-010104711111</i>				F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <i>HAZARDOUS LIQUID UN 1199</i>				12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
						1. Waste No. State <i>121</i> EPA/Other
						State EPA/Other
						State EPA/Other
						State EPA/Other
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above a. <i>01</i> b. c. d.		
15. Special Handling Instructions and Additional Information <i>Gloss</i>						
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 <i>Marcel H. Seaver</i>		Signature <i>Marcel H. Seaver</i>		Month Day Year <i>12 14 11</i>		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <i>Robert S Hansen</i>		Signature <i>Robert S Hansen</i>		Month Day Year <i>12 14 11</i>		
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 <i>PETER YIMBO</i>		Signature <i>Peter O. Yimbo</i>		Month Day Year <i>10 5 09 89</i>		

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		A. State Manifest Document Number	88227734
4. Generator's Phone ()		B. State Generator's ID	
5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	
		D. Transporter's Phone	
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	10. US EPA ID Number	G. State Facility's ID	
		H. Facility's Phone	

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.					
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above	
	a.	b.
	c.	d.

15. Special Handling Instructions and Additional Information

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	Signature	Month Day Year
--------------------	-----------	----------------

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
--------------------	-----------	----------------

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 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7530
 GENERATOR
 TRANSPORTER
 FACILITY

Do Not Write Below This Line

YELLOW: GENERATOR RETAINS

* Blue 5/1

Please print or type. (Form designed for use on elite (12 pin)ewriter).

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>CA 911389747</i>		Manifest Document No. <i>1111</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <i>AC TRANSIT 1177-154th Street, Emeryville, CA 94608</i>						A. State Manifest Document Number 88227723			
4. Generator's Phone <i>(415) 611-1139</i>						B. State Generator's ID			
5. Transporter 1 Company Name <i>H.H. Jones</i>			6. US EPA ID Number <i>CA 911389747</i>			C. State Transporter's ID <i>12</i>		D. Transporter's Phone <i>415-771-7111</i>	
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 <i>H.H. Jones, 1177 Emeryville, CA 94608</i>						10. US EPA ID Number		G. State Facility's ID	
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.
a. <i>Waste Combustible Liquid N.O.S. NA.1993</i>						<i>11</i>	<i>77050006</i>		State <i>132</i>
b.									EPA/Other
c.									State
d.									EPA/Other
J. Additional Descriptions for Materials Listed Above <i>1 Drum 55 Gal</i>						K. Handling Codes for Wastes Listed Above			
						a.		b.	
						c.		d.	
15. Special Handling Instructions and Additional Information <i>Drum in good condition</i>									
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 <i>John L. Jones</i>				Signature <i>[Signature]</i>				Month Day Year <i>11/12/91</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name <i>John M. Jones</i>				Signature <i>[Signature]</i>				Month Day Year <i>11/12/91</i>	
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 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR
TRANSPORTER
FACILITY

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. KAB0991729547-17111	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address 717 ...				A. State Manifest Document Number 88227144		
4. Generator's Phone ()				B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address H-F ...				E. State Transporter's ID		
10. US EPA ID Number				F. Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. 1 - ...						I. Waste No. State 222 EPA/Other
b.						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
				a.		
				b.		
				c.		
				d.		
15. Special Handling Instructions and Additional Information						
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		Signature		Month Day Year		
FACILITY		TRANSPORTER		EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 24-HOUR, WITHIN THE STATE OF CALIFORNIA, CALL 800-424-8802.		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
Printed/Typed Name		Signature		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
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		

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-652-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>647991199124711111</i>		Manifest Document No. <i>88227076</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
		3. Generator's Name and Mailing Address <i>A. C. TRAVIS</i>						A. State Manifest Document Number 88227076		
4. Generator's Phone <i>415-543-4835</i>						B. State Generator's ID <i>415140171-101184215</i>				
5. Transporter 1 Company Name <i>HELIUM</i>			6. US EPA ID Number <i>11311117711111</i>			C. State Transporter's ID <i>003757</i>		D. Transporter's Phone <i>415-543-4835</i>		
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 <i>114 ...</i>						10. US EPA ID Number		G. State Facility's ID <i>011015177111618</i>		
								H. Facility's Phone <i>415-543-4835</i>		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol	I. Waste No.
					No. Type					
a. <i>WHITE ...</i>					<i>60111111111111</i>		<i>6</i>		<i>2-11</i>	
b.									EPA/Other <i>1/11</i>	
c.									State	
d.									EPA/Other	
J. Additional Descriptions for Materials Listed Above <i>99% WATER</i> <i>1% PETROLEUM PRODUCT</i>						K. Handling Codes for Wastes Listed Above a. <i>01</i> b. c. d.				
15. Special Handling Instructions and Additional Information <i>...</i>										
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 <i>ROBERT ...</i>				Signature <i>[Signature]</i>			Month Day Year <i>10/16/88</i>			
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name <i>STEVE ...</i>				Signature <i>[Signature]</i>			Month Day Year <i>10/16/88</i>			
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 <i>...</i>				Signature <i>[Signature]</i>			Month Day Year <i>10/16/88</i>			

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 7309811871547		Manifest Document No. 171184		2. Page 1 of 1		information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address 72 Transit 1147 45th Street CA 94605						A. State Manifest Document Number 88227184							
4. Generator's Phone (415) 891-4939						B. State Generator's ID HSHQ361-10109615							
5. Transporter 1 Company Name H.H. Ship Service Co.			6. US EPA ID Number			C. State Transporter's ID 002754							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone 415-543-4935							
9. Designated Facility Name and Site Address H.H. Ship Service Co 220 4th St San Francisco CA 94107						10. US EPA ID Number							
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.	
a. Waste Hazardous Liquid, N.O.S. NA 9189 ORM-I						No. Type						State 124 EPA/Other N/A	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above 97% water 3% Diesel						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.							
15. Special Handling Instructions and Additional Information proper protective clothing										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 WILLIAM HILL				Signature [Signature]				Month Day Year 10/5/1989					
17. Transporter 1 Acknowledgement of Receipt of Materials										18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name EDWARD E. MURANO				Signature [Signature]				Month Day Year 10/5/1989					
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 Richard Blackwell				Signature [Signature]				Month Day Year 10/31/1989					

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-952-2860.

GENERATOR

TRANSPORTER

FACILITY

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-1550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D984 389547 2 7089		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
		3. Generator's Name and Mailing Address AC TRANSIT 1147 45 th STREET E Maryville Ca 94608				A. State Manifest Document Number 88227089		B. State Generator's ID HSHG36-1018635	
4. Generator's Phone (415) 891-4939				5. Transporter 1 Company Name H & H SHIP SERVICE CO		6. US EPA ID Number CA D004771168		C. State Transporter's ID 003756	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 415-543-4835		E. State Transporter's ID	
9. Designated Facility Name and Site Address H & H SHIP SERVICE CO. 220 China Basin ST. SAN FRANCISCO CA 94107				10. US EPA ID Number CA D004771168		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. WASTE HAZARDOUS LIQUID, N.O.S. NA 9189 CR17-E				9/11/89 6		115996000 L		State 241 EPA/Other N/A	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
J. Additional Descriptions for Materials Listed Above 99% water 1% Petroleum Product						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information proper protective clothing									
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 Walter...				Signature Walter...				Month Day Year 11 11 89	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name EDWARD G MILANO				Signature Edward G Milano				Month Day Year 11 11 89	
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 FRANK YIMBO				Signature Peter O. Yimbo				Month Day Year 10 5 19 89	

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA0011795000** Manifest Document No. **100100**

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

3. Generator's Name and Mailing Address
A C TRONIT
1017 4th Street, Emeryville, CA 94608

A. State Manifest Document Number
88227090

4. Generator's Phone **(415) 543-4870**

B. State Generator's ID
HS14072-018625

5. Transporter 1 Company Name
HEH SHS SERVICE CO. (CA) 01471168

C. State Transporter's ID
013756

7. Transporter 2 Company Name

D. Transporter's Phone **415-543-4870**

9. Designated Facility Name and Site Address
HEH SHS SERVICE CO.
220 LINDA LANE, EMERYVILLE, CA 94608

E. State Transporter's ID

F. Transporter's Phone

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone
415-543-0906

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
WASTE HAZARDOUS LIQUID
N.D. NA 9199 CODE

12. Containers No. Type
0011795000 G

13. Total Quantity

14. Unit Wt/Vol

I. Waste No. State
241

EPA/Other
1/4

J. Additional Descriptions for Materials Listed Above
99% WATER
1% PETROLEUM PRODUCT

K. Handling Codes for Wastes Listed Above

a. **01**

15. Special Handling Instructions and Additional Information
Pop. Protective Clothing

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
Peter O. Gimbo

Signature
Peter O. Gimbo Month Day Year
01 05 89

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Donald R. Bankville

Signature
Donald R. Bankville Month Day Year
10 31 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature

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
PETER YIMBO

Signature
Peter O. Gimbo Month Day Year
01 05 89

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address A. C. TRAVIS 1147 47th ST EMERYVILLE CA. 94608		6. US EPA ID Number CAD981389547	7. Manifest Document No. 277177	A. State Manifest Document Number 88227077		B. State Generator's ID HSH036-918635
4. Generator's Phone (415) 891-4337		8. US EPA ID Number		C. State Transporter's ID 003704		D. Transporter's Phone 415-543-4835
5. Transporter 1 Company Name H.H. Ship Service Co.		10. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone
7. Transporter 2 Company Name				G. State Facility's ID		H. Facility's Phone (415) 543-4835
9. Designated Facility Name and Site Address H-H Ship Service 220 CHINA BARN ST SAN FRANCISCO CA 94107		10. US EPA ID Number CAD001047711168		G. State Facility's ID		H. Facility's Phone
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.	
a. WASTE COMBUSTIBLE LIQUID NO 3 NA 1795		90	TI	95900 G	State 133 EPA/Other	
b.					State EPA/Other	
c.					State EPA/Other	
d.					State EPA/Other	
J. Additional Descriptions for Materials Listed Above DIESEL 2% WATER 98%		K. Handling Codes for Wastes Listed Above a. 01		b. c. d.		
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR						
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 Preston Chavault		Signature <i>Preston Chavault</i>		Month Day Year 05 23 91		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Jose Moreno		Signature <i>Jose Moreno</i>		Month Day Year 05 23 91		
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 16.						
Printed/Typed Name Richard Blackwell		Signature <i>Richard Blackwell</i>		Month Day Year 05 23 91		

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9300. PRINTED NAME: P. J. ...

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. *CA000473587-197-144* Manifest Document No. *144*

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

3. Generator's Name and Mailing Address
AC - 2111 ...

4. Generator's Phone (415) *11 11 11*

A. State Manifest Document Number
88227368

B. State Generator's ID
11 11 11 11 11 11 11 11 11 11

5. Transporter 1 Company Name
...

6. US EPA ID Number
...

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
...

D. Transporter's Phone
...

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
...

10. US EPA ID Number
...

G. State Facility's ID

H. Facility's Phone
...

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	No.	Type			
a. <i>...</i>					State <i>1215</i> EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
...

K. Handling Codes for Wastes Listed Above
a. *01*
b.
c.
d.

15. Special Handling Instructions and Additional Information
...

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 *Will R. ...* Signature *Will R. ...* Month Day Year *11 11 11*

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name *Robert ...* Signature *Robert ...* Month Day Year *11 11 11*

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 *Robert ...* Signature *Robert ...* Month Day Year *11 11 11*

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7500
 GENERATOR
 TRANSPORTER
 FACILITY

8 8 2 2 7 3 6 8
 0 3 7

88231281

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7556

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD00011771116K	Manifest Document No. 11111111111111	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address AC TO... 11111111111111		A. State Manifest Document Number 88231281	
4. Generator's Phone () - - - - -		B. State Generator's ID H-11111111111111	
5. Transporter 1 Company Name 11111111111111	6. US EPA ID Number 11111111111111	C. State Transporter's ID 003/39	
7. Transporter 2 Company Name	8. US EPA ID Number	D. Transporter's Phone 915-541-1111	
9. Designated Facility Name and Site Address 11111111111111	10. US EPA ID Number LAD00011771116K	E. State Transporter's ID	
		F. Transporter's Phone	
		G. State Facility's ID	
		H. Facility's Phone 415-543-0706	

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. WASTE HAZARDOUS LIQUID N.O.S. A14 TMS 300-E					State 241 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
 DIESEL 2%
 WATER 98%

K. Handling Codes for Wastes Listed Above
 a. 01
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
 PROTECTIVE GEAR & CLOTHING

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: PETER CHENMILT
 Signature: [Signature]
 Month Day Year: 03 23 81

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Donald D. Burkholder
 Signature: [Signature]
 Month Day Year: 03 23 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: PETER YIMBO
 Signature: Peter O Yimbo
 Month Day Year: 05 13 81

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D 91813891547470185		Manifest Document No. 470185		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address A.C. TRANSIT 1147 47TH ST EMERYVILLE CA 94608						A. State Manifest Document Number 88227085				
4. Generator's Phone (415) 891-4939						B. State Generator's ID H.SHO31619181635				
5. Transporter 1 Company Name HEH SHIP SERVICE				6. US EPA ID Number CA 59947711168		C. State Transporter's ID 0037FL		D. Transporter's Phone (415) 543-4835		
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID		
9. Designated Facility Name and Site Address HEH SHIP SERVICE 220 CHINA BRIDGE ST SAN FRANCISCO CA 94107						10. US EPA ID Number		G. State Facility's ID		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE HAZARDOUS LIQUID N.O.S. N.A. 3189 CORROSIVE						No. 90111		Type 5000	5000 G	State 241 EPA/Other N/A
b.										State
c.										EPA/Other
d.										State
										EPA/Other
J. Additional Descriptions for Materials Listed Above WATER 98% DIESEL 2%						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.				
15. Special Handling Instructions and Additional Information PROTECTIVE GEAR & CLOTHING										
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 TERRY CRAMPTON				Signature <i>Terry Crampton</i>		Month Day Year 8/15/89				
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name STEPHE MESSWITS				Signature <i>Steph Messwits</i>		Month Day Year 10/5/89				
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 PETER YIMBO				Signature Peter O. Yimbo		Month Day Year 05/26/89				

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7850
 GENERATOR
 TRANSPORTER
 FACILITY

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

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7650

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D981387547310710		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
		3. Generator's Name and Mailing Address A C TRANSIT 1147 47TH ST EMERYVILLE CA 94608				A. State Manifest Document Number 88227070		B. State Generator's ID H19H0316-101181635	
4. Generator's Phone (415) 471-4777				6. US EPA ID Number CA D0047711168		C. State Transporter's ID 003752		D. Transporter's Phone (415) 543-4830	
5. Transporter 1 Company Name H & H Ship Service				8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
7. Transporter 2 Company Name				10. US EPA ID Number		G. State Facility's ID		H. Facility's Phone (415) 543-0906	
9. Designated Facility Name and Site Address H & H Ship Service 330 CHINA BLDG SAN FRANCISCO CA 94107				12. Containers No. Type		13. Total Quantity		14. Unit WT/Vol	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE HAZARDOUS LIQUIDS N/A N/A ORN-E				12. Containers No. Type		13. Total Quantity 00111050010 G		I. Waste No. State 241 EPA/Other N/A	
J. Additional Descriptions for Materials Listed Above WATER 98% DIESEL 2%				K. Handling Codes for Wastes Listed Above a. 01		b.		c.	
15. Special Handling Instructions and Additional Information PROTECTIVE GEAR & CLOTHING				17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ESTERNA M. PENNIVEL		Signature <i>[Signature]</i>		Month Day Year 10/12/89	
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 PETER YIMBO		Signature <i>Peter O. Yimbo</i>		Month Day Year 10/12/89	

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA D 781137951471270179	Manifest Document No. 270179	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address A.C. Transit 1177-45th Street Emeryville, CA 94605				A. State Manifest Document Number 88227079	
4. Generator's Phone (415) 891-4738				B. State Generator's ID HSHQ361-918625	
5. Transporter 1 Company Name H & H Ship Service Co		6. US EPA ID Number CA D0047771165		C. State Transporter's ID 003754	
7. Transporter 2 Company Name				D. Transporter's Phone (415) 543-9833	
8. US EPA ID Number				E. State Transporter's ID	
9. Designated Facility Name and Site Address H & H Ship Service Co 220 China Basin St San Francisco CA 94107				F. Transporter's Phone	
10. US EPA ID Number CA D0047771165				G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Hazardous Liquid, N.O.S. NA 9189 ORM-E				12. Containers No. Type 001 T T 04900 G	13. Total Quantity G
				14. Unit Wt/Vol	I. Waste No. State 134
					EPA/Other N/A
					State
					EPA/Other
					State
					EPA/Other
					State
					EPA/Other
J. Additional Descriptions for Materials Listed Above Water - 98% Diesel - 2%				K. Handling Codes for Wastes Listed Above a. 01 b. c. d.	
15. Special Handling Instructions and Additional Information Proper Protective Clothing					
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 Marshall Seavy		Signature Marshall Seavy		Month Day Year 06/06/89	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Robert J. Hansen		Signature Robert J. Hansen		Month Day Year 06/06/89	
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 PETER YIMBO		Signature Peter O. Yimbo		Month Day Year 06/06/89	

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802. WITHIN CALIFORNIA CALL 1-800-662-5560.

GENERATOR

TRANSPORTER

FACILITY

AD TRANSIT EMERYVILLE
 DIESEL SPILL TANKFARM PUMPING

TANK #1 (TP-2)

DATE	TOTAL INCHES	TOTAL GALLONS	INCHES WATER	GALLONS WATER	INCHES DIESEL	GALLONS DIESEL	DAILY DIESEL	%TOTAL DIESEL
4/21/89	8.675	249			ERR			
4/22/89	11.75	384						
4/24/89	13	445	9	260	4			
4/25/89	13.25	457						
4/26/89	13.75	483						
4/27/89	14	495						
4/28/89	20.5	857						
4/29/89	24	1070	14	495	10	575		53.71%
5/1/89	70	4173	61	3608	9	565		13.55%
5/2/89	3.5	64						
5/3/89	5	109						
5/4/89	5	109						
5/5/89	9.5	281	7.5	199	2	83		29.39%
5/8/89	15.25	561	12.5	420	2.75	140	20.68%	25.05%
5/9/89	17.5	653	14.25	508	3.25	175	28.29%	25.63%
5/10/89	18.25	726	15	547	3.25	178	7.54%	24.57%
5/11/89	18.5	740	15.25	561	3.25	179	7.24%	24.24%
5/17/89	21.5	916	16.5	628	5	288	61.79%	31.47%*
5/18/89	25.25	1149	21	886	4.25	263	-11.08%	22.86%#
5/22/89	35.5	1833	31.25	1543	4.25	290	4.06%	15.84%
5/23/89	36.25	1885	32	1593	4.25	292	2.49%	15.47%
5/24/89	54	3133	49.75	2835	4.25	297	0.43%	9.48%
5/25/89	56.5	3305	52.75	3046	3.75	259	-22.04%	7.84%#
5/30/89	58.75	3322	53	3063	3.75	259	-1.92%	7.79%#
5/31/89	63.75	3787	59.75	3525	4	263	0.81%	6.93%
6/1/89	66.75	3977	62.5	3706	4.25	270	4.16%	6.80%
6/2/89	70	4173	65.5	3899	4.5	274	2.06%	6.58%
6/8/89	71.75	4274	66.5	3961	5.25	313	38.22%	7.33%

*TANK #2 (TP-1) CONTENTS EMPTIED INTO TANK #1.

#NEGATIVE DAILY PERCENTAGES FOR DIESEL ARE MOST LIKELY DUE TO MEASUREMENTS BEING ROUNDED TO THE NEAREST 1/4", AND THE ACCURACY OF THE WATER SENSING PASTE USED TO DETERMINE THE WATER LEVEL. MINOR DIESEL LOSSES MAY HAVE OCCURED DUE TO SOME VOLATILIZATION OF THE DIESEL ON HOT DAYS.