

P.O. Box 1026 3751 Commerce Drive West Sacramento, CA 95691

Phone (916) 372-7535 Fax (916) 372-4209

### TANK REMOVAL WORK SUMMARY

Dongary Investment- Truck Maintenance Facility
2225 7th street
Oakland, CA. 94607

September 12, 1992 RAMCON Job #476001

940



P.O. Box 1026 3751 Commerce Drive West Sacramento, CA 95691

Phone (916) 372-7535 Fax (916) 372-4209

October 12, 1992

Ms. Jennifer Erberle
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA. 94621

RE- TANK REMOVAL WORK SUMMARY: DONGARY INVESTMENTS

Truck Maintanance Facility

2225 7th street

Oakland, CA. 94607 RAMCON Job #476001

Dear Ms. Erberle,

The following report summarizes the removal and disposal of eight underground storage tanks: a 2,000 gal waste oil tank, one 6,500 gal bulk oil, one 8,000 gal diesel tank, and five 20,000 gal diesel tanks from the subject site, (Plate 1 & 2). The soil and water sampling procedures and analytical data are also reviewed. The subject site is located approximately 1 mile south of the Interstate 80 toll gate to the Bay Bridge at the intersection of Maritime and 7th Street, (Plate 1 & 2).

Based on field observations and analytical data from soil and water samples collected from the two excavations; both the soil and groundwater on the site have been contaminated with diesel and BTEX. Remediation of both the soil and the groundwater will be necessary to gain closure of the site.

### SITE BACKGROUND:

The site is used as a truck fueling, maintenance and cargo distribution point. During the summer of 1989 one of the 20,000 gallon diesel tanks failed a leak detection test.

Bore holes were placed around the eight existing tanks and samples of the soil and water were collected and analyzed. Hydrocarbon contamination was detected and in March of 1990 the one leaking diesel tank was removed. Soil samples were collected and detected hydrocarbon contamination below the former diesel tank. The contaminated soil was excavated, disposed of off site, and the excavation was backfilled. A report summarizing the soil borings and tank removal was forwarded to the Alameda County of Hazardous Materials Division on June 7, 1991.  $\rightarrow$  NESCO proposed it; dated 5-31-91.

+ 3-16-90 diesel tank

### REMOVAL & DISPOSAL OF SEVEN TANKS:

In preparation of the tank removal all of the product in the tanks was removed prior to RAMCON starting the project. On 7-20-92, RAMCON's personnel began to demo surface facilities and piping, and excavated the soil overlying the 6 diesel tanks and 1 bulk oil tank. On 7-27-92 the seven tanks were inerted with dry ice and prior to removal, LEL readings were taken from each tank to insure that the tanks were safe to remove. Mr. Gary Collins of the City of Oakland Fire Department witnessed and approved the LEL readings. The tanks were removed from the excavation, loaded onto trucks, manifested, and hauled to Erickson's Inc. facility located near Richmond, CA. Copies the Uniform Hazardous Waste manifests for the seven tanks, and seven certificates of tank destruction have been attached. The waste oil tank removal will be discussed later in the report.

Mr. Paul Smith of the Alameda County Division of Hazardous Materials, Department of Environmental Health was on site to observe the tank removal and oversee the collection of soil and water samples. Upon removal the tanks were inspected and no obvious holes or leaks were noted in the six diesel tanks, (A/C/D/E/F/G). One hole was observed in the bulk oil tank. (Tank B on Plate 3), during the removal process.

Groundwater seeped into the excavation filling the tank impressions. Hydrocarbon contamination was noted floating on the water and the excavated soil had a strong diesel odor. Ground water was observed at approximately 8 feet from grade and fluctuated about 1 foot in response to tidal effects. The dimensions of the single excavation containing the seven tanks are 110 ft by 45 ft and ranged in depth from 10 to 13 feet.

The soil excavated during the tank removal was separated into three stockpiles, covered with plastic sheeting, and placed on an impervious liner.

### **SOIL SAMPLING & ANALYSES:**

Following the removal of the 7 tanks, a technician from Western Environmental Science & Technology collected 17 soil samples: two from below each tank and three sidewall samples. Three water samples were collected PFW-1 from the area surrounding Tanks A & B, PFW-2 from below the former tanks C, D, & F, and PFW-3 from below Tanks F & G, (Plate 3).

Six composite soil samples were also collected from the three stockpiles, four sleeves percomposite and two composites from each stockpile, (Plate 4). The soil and water samples were collected following proper sampling protocol, placed on ice, and transported under chain-ofcustody to WEST Laboratory located in Davis, CA. WEST is a hazardous materials certified laboratory, CA DOHS ELAP No. 1346.

All of the soil samples collected were analyzed for BTEX & TPH as Diesel, Motor Oil, Jet/Kerosene; (modified EPA Method 8020 and 8015). Upon closer study of the water samples in the laboratory; free product was observed floating on the surface of the water samples, consequently only one of the water samples was analyzed for BTEX & TPH as Diesel. Please refer to Table 1 for a Summary of WEST's sample logs #4776 & #4777.

As the analytical data documents, the concentration of TPH as Diesel measured in the 16 excavation soil samples averaged 28,000 ppm. The soil samples collected from below Tanks A & B also detected concentrations of BTEX that ranged from a low of 7 ppm Benzene to a high of 250 ppm Xylene. The one water sample, PW-1, had concentrations of Benzene of 6.2 ppm and 47,000 ppm TPH as Diesel. The analyses of the composite samples from the stockpiled soil detected an average concentration of TPH as Diesel of 5,800 ppm. The stockpile composite samples were free of BTEX, except for one sample that detected 34 ppm Xylene. The level of TPH as Motor Oil present in the samples is difficult to determine due to the interference of the analyses from the high levels of Diesel.

REMOVAL & DISPOSAL OF ONE WASTE OIL TANK:

On 8-18-92 RAMCON personnel excavated the 2,000 gallon waste oil tank. Prior to removal the tank was inerted with dry ice, an LEL reading was taken, and the tank was then approved for removal by Mr. Gordon Gullett of the Oakland Fire Department. The tank was removed from the excavation, loaded onto a truck, manifested, and hauled to Erickson Inc. facility located near Richmond, CA. Copies the Uniform Hazardous Waste manifest for the tank and the certificate of tank destruction have been attached.

Mr. Britt Johnson of the Alameda County Division of Hazardous Materials, Department of Environmental Health was on site to observe the tank removal and oversee the collection of soil and water samples.

Upon removal the tank was inspected and no obvious holes or leaks were noted. The tar coating surrounding the tank had been dissolved away.

Groundwater seeped into the excavation filling the tank impressions to a depth of 8 feet from grade. A hydrocarbon sheen was noted floating on the water in the excavation. The dimensions of the excavation containing the waste oil tank are 18 ft by 12 ft and 11 ft deep. The soil excavated during the tank removal was stockpiled next to the other three stockpiles and covered with plastic, (Plate 2).

### **SOIL SAMPLING & ANALYSES:**

Following the removal of the waste oil tank, a technician from Western Environmental Science & Technology collected four samples: 2 soil samples from the floor of the excavation PFA-1 and PFB-1, one water sample from the excavation, and one composite sample from the stockpiled soil, (Plate 5).

The soil and water samples were collected following proper sampling protocol, placed on ice, and transported under chain-of-custody to WEST's Laboratory located in Davis, CA.

The two pit floor samples were analyzed for BTEX & TPH as Gasoline & Diesel (EPA 8015/8020, 602), Volatile Organics (EPA 8240), Semi-Volatile Organics (EPA 8270), and 5 Luft "Waste Oil" Metals- Cd, Cr, Pb, Zn, Ni (EPA 6010, 200.7). The amount of water collected from the excavation was insufficient to run the above analyses. A technician from WEST returned to the site on 8-19-92 and collected (3) one liter bottles of water from the excavation. Upon closer study of the water samples in the laboratory it was noted that the samples were pure diesel, with no water. The sample was run for TPH as Diesel & Motor oil and yielded 110% diesel. No further analyses of the "water sample" was performed. Since additional soil will most likely be excavated and additional analyses will be required in order to dispose of the soil; the composite soil sample from the waste oil stockpile was not analyzed. Please refer to Table 2 for a Summary of WEST's sample logs #4896.

The two pit floor samples had measurable levels of Benzene (.011 ppm and .0077), TPH as Diesel (270 ppm and 27 ppm), and four Halogenated Solvent compounds. Analyses of sample PFA-1 also detected low levels TPH as Motor Oil (14 ppm) and five Semi-Volatile compounds. Analyses of sample PFB-1 detected low levels of TPH as Gasoline (2.7 ppm).

No Oil & Grease compounds or Organochlorine Pesticides & PCB's were detected in the two soil samples. The level of the Five Waste Oil Metals, (Cd/Cr/Pb/Ni/Zn), measured in the two pit floor samples were below the Title 22 STLC values.

Note: When collecting the second water sample from the waste oil pit one day after the tank removal; pure diesel was observed floating on the surface of the excavation water.

### **CONCLUSIONS:**

Based on field observations and analytical data from soil and water samples collected from the main excavation and the waste oil pit; both the soil and ground water on the site have been contaminated with diesel and BTEX. The soil samples collected from the waste oil tank also contain measurable amounts of Semi-Volatile Hydrocarbons and Chlorinated Solvents.

The presence of diesel floating on the surface of the water in the waste oil tank pit; indicates that the diesel present in the main excavation may extend laterally 120 feet south-west to the waste oil pit. The lateral limits of the surface diesel contamination are unknown at the present time. The ground water gradient and direction of ground water flow is not known. Identification of the lateral extent of the soil and groundwater will be required proir to initiating a remediation project.

If you have any questions pertaining to the work summary and the analytical data; please feel free to contact Mick Ramos @ (916) 372-7535.

Sincerely,

Jaffrey S Auchterloine

RAMCON- Project Geologist

John & author

Daniel Hinrichs, P.E.

Consulting Engineer

file: WP51\DOCS\JAFF\476sum2

### APPENDICES

APPENDIX 1:	PLATES & TABLES
Plate 1	General Location Map
Plate 2	General Site Plan
Plate 3	Main Excavation Sample Locations Site Plan
Plate 4	Stockpile Sample Locations Site Plan
Plate 5	Waste Oil Pit Sample Locations Site Plan
Table 1	Analytical Summary, Main Excavation & Stockpiles
Table 2	Analytical Summary, Waste Oil Pit & Stockpiles
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APPENDIX 2:	ANALYTICAL DATA
WEST	Main Excavation- Sample Log #4776 & #477

**WEST** Waste Oil Pit- Sample Log #4896

### **DOCUMENTATION APPENDIX 3:**

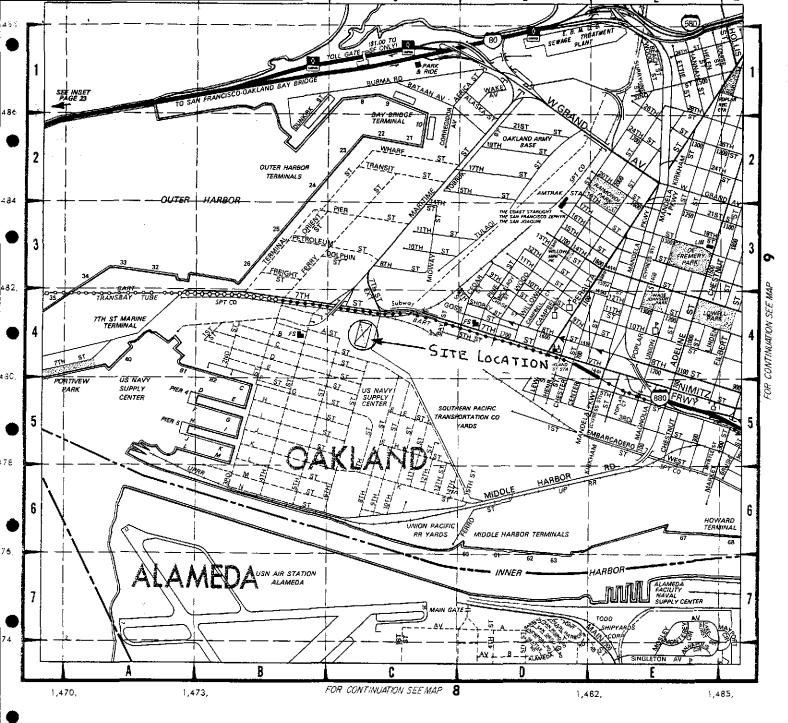
Uniform Hazardous Waste Manifests- Eight Tanks

Certificates of Tank Destruction- Eight Tanks

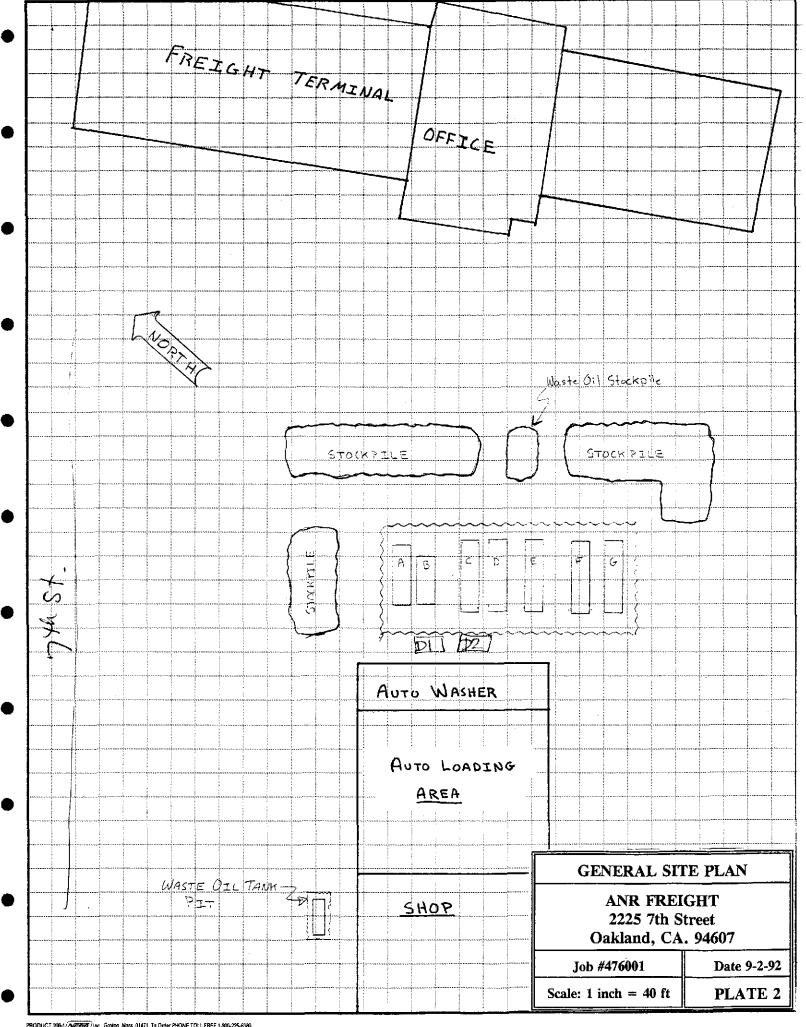
# Plate 1 General Location Map Plate 2 General Site Plan Plate 3 Main Excavation Sample Locations Site Plan Plate 4 Stockpile Sample Locations Site Plan Plate 5 Waste Oil Pit Sample Locations Site Plan Table 1 Analytical Summary, Main Excavation & Stockpiles

Analytical Summary, Waste Oil Pit & Stockpiles

Table 2



GENERAL LOCATI	ON MAP
ANR FREIGH 2225 7th Stre Oakland, CA. 9	et
RAMCON Job #476001	Date 9-2-92
Scale: 1 inch = 2,200 ft	PLATE 1

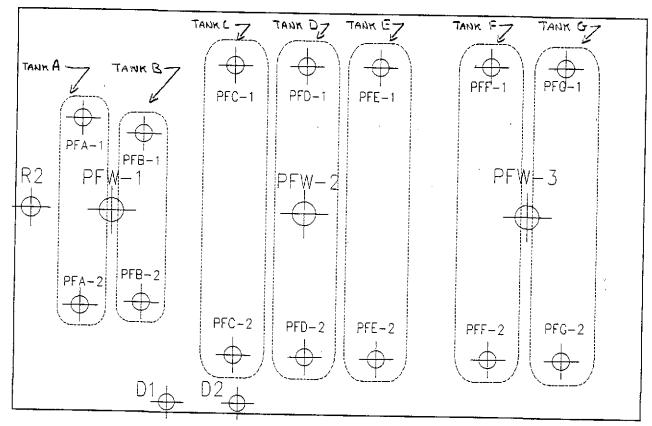


### NOTES:

- Samples taken in 2" x 6" brass sleeves with 0 headspace, covered with PTFE, ends capped with Caplugs and placed on ice for transport.
- The Pit Floor samples were taken at a depth of seven feet.
- All tanks previously contained diesel fuel.

Tank B Contained Bolk Dil





ANR FREIGHT

2225 7TH STREET

OAKLAND, CALIFORNIA

RAMCON

Sample Log#: 4776 DATE: 8/4/1992

SCALE N.T.S.



Western Environmental Science & Technology

45133 County Road 32B, Davis, CA 95616

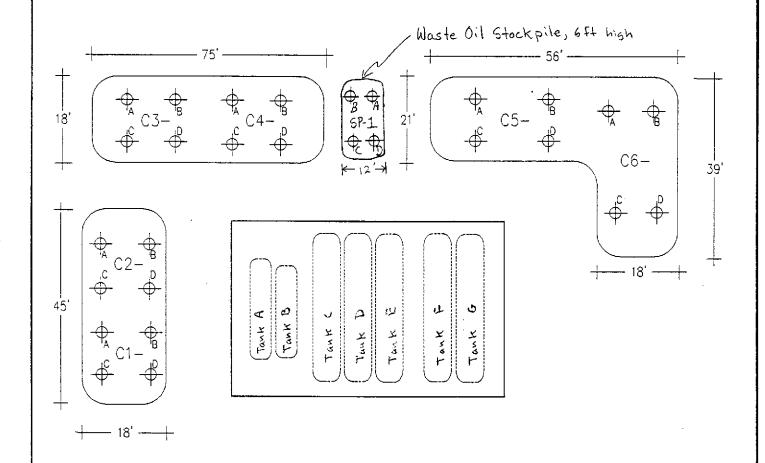
Phone: (916) 753-9500

Drawn by: D PLATE 3

### NOTES:



- Samples taken in 2" x 6" brass sleeves with 0 headspace, covered with PTFE, ends capped with Caplugs and placed on ice for transport.
- The stockpiles all had an average height of 8 feet.
- Samples C1, C2, C3, C4, C5 & C6 consist of 4 samples which are composited in the laboratory for analysis.



ANR FREIGHT

2225 7TH STREET

OAKLAND, CALIFORNIA

RAMCON

Sample Log#: 4776

DATE: 8/4/1992

SCALE N.T.S.

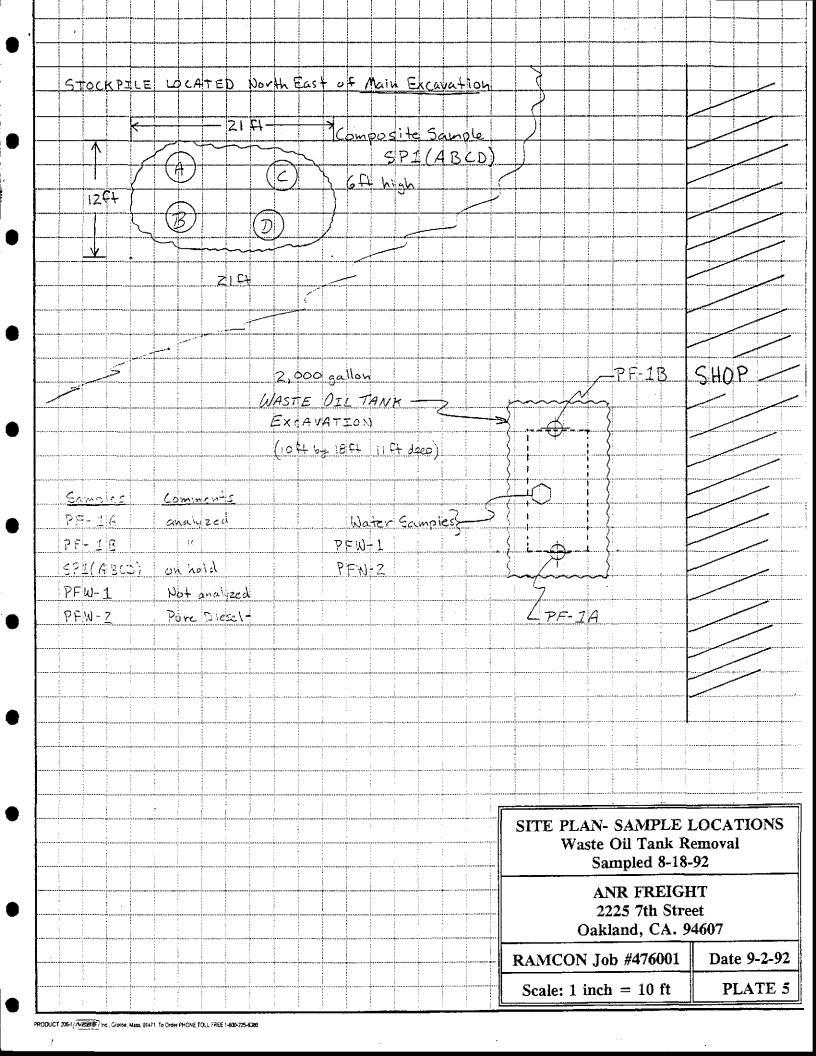


Western Environmental Science & Technology

45133 County Road 32B, Davis, CA 95616

Phone: (916) 753-9500

Drawn by: Dc PLATE 4



# TABLE 1: ANALYTICAL SUMMARY ANR Freight- Oakland, CA. RAMCON Job #476001 Sampled 7-27-92

WEST Sample Logs #4776 & #4777
MAIN EXCAVATION TANK REMOVAL

	N	MAIN EXC	AVATION	TANK K	EMOVAL	
Sample	₿	Т	E	X	TPH as Diesel	TPH as Motor Oil
PFA-1	7.4	ND	11	<b>47</b> ′	12,000	<250
PFA-2	11	27	19	65	43,000	<1,000
PFB-1	44	87	54	250	100,000	<2,500
PFB-2	20	38	31	100	43,000	<1,000
PFC-1	ND	ND	ND	6.1	17,000	<250
PFC-2	ND	ND	ND	ND	33,000	<250
PFD-1	ND	ND	ND	5.3	9,000	<250
PFD-2	ND*	ND*	ND*	.0085	4,600	< 100
PFE-1	ND	ND	ND	ND	8,200	<250
PFE-2	ND	ND	ND	ND	81,000	< 2,500
PFF-1	ND	ND	ND	ND	20,000	<1,000
PFF-2	ND	ND	ND	ND	18,000	<1,000
PFG-1	ND	ND	ND	ND	20,000	< 500
PFG-2	ND	ND	ND	ND	7,800	< 250
D1	ND	ND	ND	12	20,000	<250
D2	ND	ND	ND	ND	23,000	< 500
R2						
PFW-1	6.2	16	7.3	47	47,000	< 500
C1(ABCD)	ND	ND	ND	ND	4,000	<100
C2(ABCD)	ND	ND	ND	ND	5,400	<250
C3(ABCD)	ND	ND	ND	ND	4,900	<250
C4(ABCD)	ND	ND	ND	34	5,600	<250
C5(ABCD)	ND	ND	ND	ND	8,900	<250
C6(ABCD)	ND	ND	ND	ND	6,000	<250
Reporting Limits	(5	.0 mg/kg to ~	.005 mg/kg)	)	50 mg/kg	100 to 2500 mg/kg

Note: The increased reporting limit for TPH as Motor Oil is due to interference from the elevated concentrations of Diesel.

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# TABLE 2 ANALYTICAL SUMMARY ANR Freight- Oakland, CA. RAMCON Job #476001 Sampled 8-18-92 WEST Sample Log #4896 Waste Oil Tank Removal

ANAI	LYSES	Reporting Limits	Sample	Number
			PFA-F	PFB-1
Benzene (EPA 8020) Toluene Ethylbenzene Xylene		.005 mg/kg " "	.011 ND ND ND	.0076 ND ND .0058
TPH as Gasoline (EPA	8015)	.50 mg/kg	ND	2.7
TPH as Diesel (EPA 80	015)	10 mg/kg	270	27
TPH as Motor Oil (EPA	A 8015)	10 mg/kg	14	ND
Oil & Grease (ASTM 5	520)	50 mg/kg	ND	ND
Semi-Volatile Organics Benzo a pyrer Benzo ghi per Naphthalene Phenanthrene Pyrene	ie	(1.1 to .57) mg/kg 0.10 mg/kg " "	ND ND ND ND ND	ND 0.11 0.10 0.24 0.29 0.12
Organochlorine Pesticid 8080)	es & PCB's (EPA	.10 to .20 mg/kg	ND	ND
Halogenated Volatile On t-1, 2-Dichlor 1, 2-Dichlopro c-1, 2-Dichlor Tetrachloroeth	oethene opane coethene	.005 mg/kg " " " " .001 mg/kg	.066 .048 .36 .0021	.066 .087 .036 ND
Waste Oil Metals: Cadmium Chromium Lead Nickel Zinc	Title 22 STLC:  1.0 mg/kg  5 mg/kg  5.0 mg/kg  20 mg/kg 250 mg/kg	0.01 mg/kg 0.05 mg/kg 0.005 mg/kg 0.30 mg/kg 0.05 mg/kg	.020 0.25 0.28 1.5 0.40	0.025 0.29 0.32 1.4 0.49

"water"
sample
was pure
diesel.

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The following abbreviations and qualifiers may be present in the analytical reports to follow:

ug/L : Micrograms of target analyte in 1 Liter of sample.

mg/kg: Milligrams of target analyte in 1 kg of sample.

B: This data qualifier indicates that a method blank from the analytical batch contained this compound and the level found in the sample is within 5 times

that level. Use data with caution.

This data qualifier indicates that the presence of

the compound has been confirmed by GC/MS.

TCLP : Toxicity Characteristic Leaching Procedure

MS : Matrix Spike

MSD : Matrix Spike Duplicate

RPD : Relative Percent Difference (the difference between

two values divided by the mean, expressed as a percentage.

REC : Percent Recovery (the ratio between the measured value

and the expected value for a spiked sample, expressed

as a percentage.

< : Less than
> : Greater than



Table 1: 'BTEX' Results for 17 Soil Sample(s) Identified as Project # 476001 (ANR Freight)
Received 07/27/92

--all concentrations are units of mg/kg--

	Sample	Benzene	Toluene	Ethylbenzene	
•			<.50	11	47
	PFA-1	7.4	₹.90		
	PFA-2	11	27	19	65
	PFB-1	44	87	54	250
	PFB-2	20	38	31	100
-	PFC-1	<5.0	<b>&lt;5.0</b>	<5.0	6.1
	PFC-2	<5.0	<5.0	<5.0	<5.0
	PFD-1	<5.0	<5.0	<5.0	5.3
	PFD-2	<.0050	<.0050	<.0050	.0085
	PFE-1	<5.0	<5.0	<5.0	<5.0
13	PFE-2	<5.0	<5.0	<5.0	<5.0
	PFF-1	<5.0	<5.0	<5.0	<5.0
	PFF-2	<5.0	<5.0	<5.0	<5.0
	PFG-1	<5.0	<5.0	< <b>5.</b> 0	<5.0
	PFG-2	<5.0	<5.0	<5.0	<5.0
	D1	<5.0	<5.0	<5.0	12
	cm	005	.005	.005	.005)
	(Reporting Limit	.005	.003		

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### BTEX Continued

# --all concentrations are units of mg/kg--

Sample	Benzene	Toluene	Ethylbenzene	Xylenes
D2	<b>≺5.0</b>	< <b>5.0</b>	<5.0	<5.0
PW-1	6.2	16	7.3	47
(Reporting Limit	.005	.005	.005	.005)

Stewart Fodolsky Benior Chanist



Table 2: TPH Results for 17 Soil Sample(s)
From : Project # 476001 (ANR Freight)
Received 07/27/92

--all concentrations are units of mg/kg--

Sample	TPH (Semi-vol	latile)
PFA-1	Diesel:	12000
	Motor Oil:	<250
	Diesel:	43000
PFA-2	Motor Oil:	
	<b></b>	
PFB-1	Diesel:	
	Motor Oil:	<2500
PFB-2	Diesel:	43000
FIB-2	Motor Oil:	
PFC-1	Diesel: Motor Oil:	
	MOEOL OII:	<b>\250</b>
PFC-2	Diesel:	33000
	Motor Oil:	<250
7.770 ·	Diesel:	9000
PFD-1	Motor Oil:	
	110001 011.	
PFO-2	Diesel:	
	Motor Oil:	<100
PPR-1	Diesel:	8200
PER-I	Motor Oil:	
PFE-2	Diesel:	
	Notor Oil:	<2500
(Reporting Limit		10)

Stander Podolsky



# Total Petroleum Hydrocarbons Continued

--all concentrations are units of mg/kg--

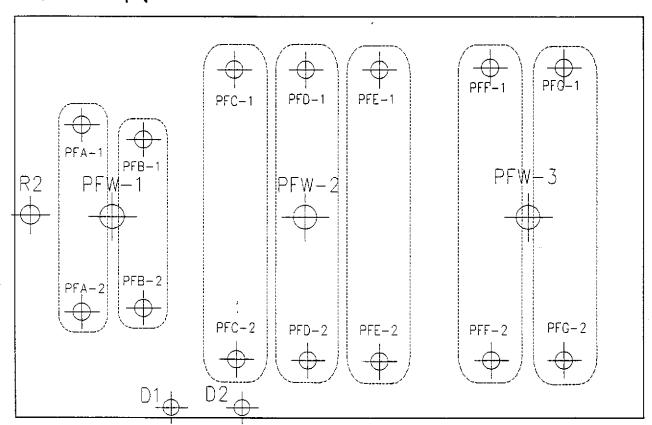
Sample	TPH (Semi-volatile)
Tayata 4	Diesel: 20000
PFF-1	Motor Oil: <1000
PFF-2	Diesel: 18000
-	Motor Oil: <1000
PFG-1	Diesel: 20000
	Motor Oil: <500
PFG-2	Diesel: 7800
	Motor Oil: <250
D1	Diesel: 20000
	Motor Oil: <250
D2	Diesel: 23000
	Motor Oil: <500
PW-1	Diesel: 47000
	Motor Oil: <500
CANAL AND CONTRACTOR	
(Reporting Limit	10)

Stewart Podolsky Besiev Chemist

### NOTES:

- Samples taken in 2" x 6" brass sleeves with 0 headspace, covered with PTFE, ends capped with Caplugs and placed on ice for transport.
- The Pit Floor samples were taken at a depth of seven feet.
- All tanks previously contained diesel fuel.





ANR FREIGHT

2225 7TH STREET

OAKLAND, CALIFORNIA

RAMCON

Sample Log#: 4776

DATE: 8/4/1992

SCALE N.T.S.



Western Environmental Science & Technology

45133 County Road 32B, Davis, CA 95616

Phone: (916) 753-9500

Drawn by: Dan Lips.

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1046 Olive Drive, Suite 3

916-753-9500

## CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

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al	Đ.	ATE	TIM	E	VOA	1L GLASS	1L PLASTIC	HCI	HNOs	NONE	WATER	SOIL			BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	(CTUB) IIO/leseIIO SE HAII	Total Oil & Grease (5520 B/E,F) Total Oil & Grease IR (5520 B/E F.C)	96 - Hour Fish Bioessay	EPA 601/8010	EPA 602/8020	EPA 815/8150	EPA 608/8080 - Pest	EPA 624/R240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni					RUSH SE	EXPEDITED SERVICE(48 https://wkj	STANDA
PFA-1	7	27/12	12:4	0					V			V			V		1	_																			Z	
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# ALLEN OF AUCTORY DECORD AND ANALYSIS RECHEST

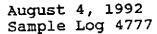
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Wastern Enwronmental

1046 Olive Drive, Suite 3 Davis, CA 95616 916-753-9500 FAX #: 916-753-6091

# CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

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Project Location: 2275 7			<u>sla</u>	_J_				ature:			-			(8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	assay			sticides	22			Reactivity, Corrosivity, Ignitibility		EPA - Priority Pollutant Metals	39.2)						12 hr) or	VICE 2
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ID	DATE	TIME	VOA SI EEVE	1L GLASS	1 PLASIIC	모	ICE 35	NONE	WATER	SOIL		BTEX (602/8020)	BTEXTPH as Gasoline	TPH as Diesel/Oil (8015)	Total Oil	Total Oil	96 - Hour Fish Bloassay	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	OPGANIC LEAD	Reactivit	CAM - 17 Metals	EPA - Prk	LEAD(7420/7421/239.2)	3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,					RUSH SE	STANDARD SERVICE (2WK)
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John Pile Ramcon P.O. Box 1026 West Sacramento, CA 95691

REOTUED on 18 092

Subject: Analytical Results for 6 Soil Samples

Identified as: Project # 476001 (ANR Freight)

Received: 07/27/92 Purchase Order: 6170

Dear Mr. Pile:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on August 3, 1992 and describes procedures used to analyze the samples.

Sample(s) were received in brass sleeves that were sealed with PTFE sheets and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

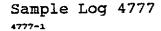
"BTEX" (EPA Method 8020/Purge-and-Trap) "TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap) "TPH as Diesel, Motor Oil, Jet/Kerosene" (Mod. 8015/Extraction)

Please refer to the following table(s) for summarized analytical results and contact us at 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Stewart Podolsky

Senior Chemist





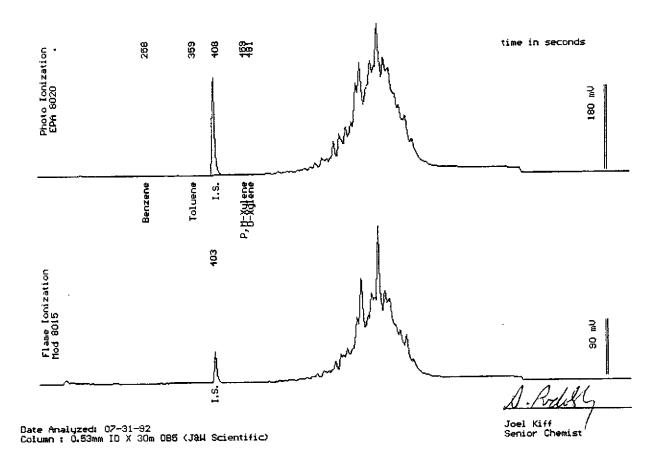
Sample: C1A,C1B,C1C,C1D

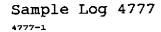
From : Project # 476001 (ANR Freight) Sampled : 07/27/92

Dilution: 1:1000 QC Batch: 6056i

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
Benzene Toluene Ethylbenzene Total Xylenes	(5.0) (5.0) (5.0) (5.0)	<5.0 <5.0 <5.0 <5.0







Sample: C1A,C1B,C1C,C1D

From : Project # 476001 (ANR Freight)

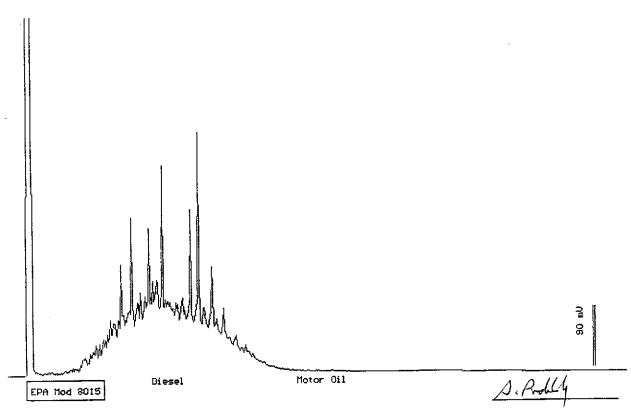
Sampled: 07/27/92 Extracted: 07/30/92

Dilution: 1:5 QC Batch: 8040d

Matrix : Soil

Parameter .	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel TPH as Motor Oil	(50) (100)	4000 <100 *

\* Increased reporting limit due to interference from Diesel.



Date: 07-30-92 Time: 11:49:30 Column: 0.53mm ID X 15m DB1 (J&W Scientific) Stewart Podolsky Senior Chemist



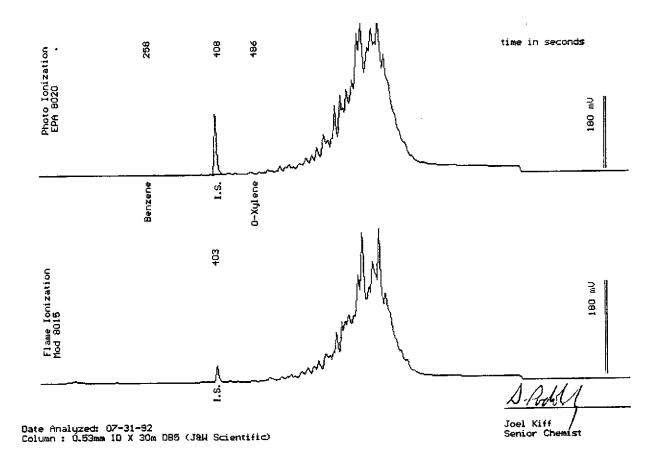
Sample: C2A,C2B,C2C,C2D

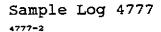
From : Project # 476001 (ANR Freight) Sampled : 07/27/92

QC Batch : 6056i Dilution: 1:1000

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0







Sample: C2A,C2B,C2C,C2D

From : Project # 476001 (ANR Freight)

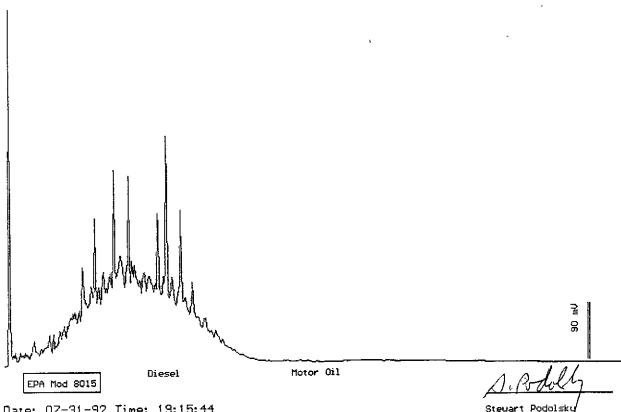
Sampled: 07/27/92 Extracted: 07/31/92

Dilution: 1:5 QC Batch: 8041A

Matrix : Soil

Parameter .	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel TPH as Motor Oil	(50) (250)	5400 <250 *

\* Increased reporting limit due to diesel interference.



Date: 07-31-92 Time: 19:15:44 Column: 0.53mm ID X 15m DB1 (J&W Scientific)

Senior Chemist



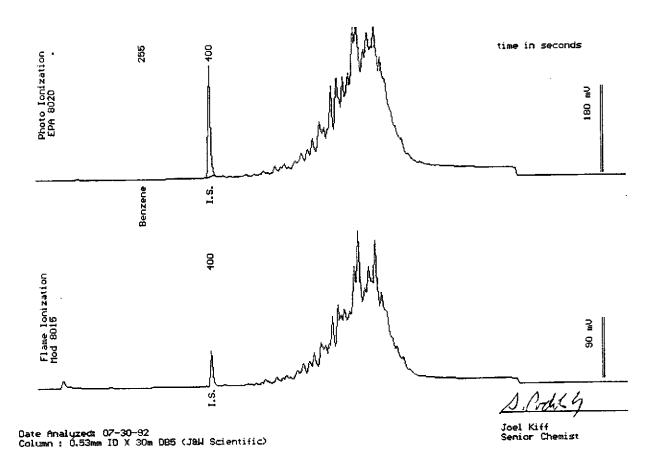
Sample: C3A,C3B,C3C,C3D

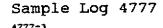
From : Project # 476001 (ANR Freight)

Sampled: 07/27/92 Dilution: 1:1000 QC Batch : 6056i

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value =g/kg
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0







Sample: C3A,C3B,C3C,C3D

From : Project # 476001 (ANR Freight)

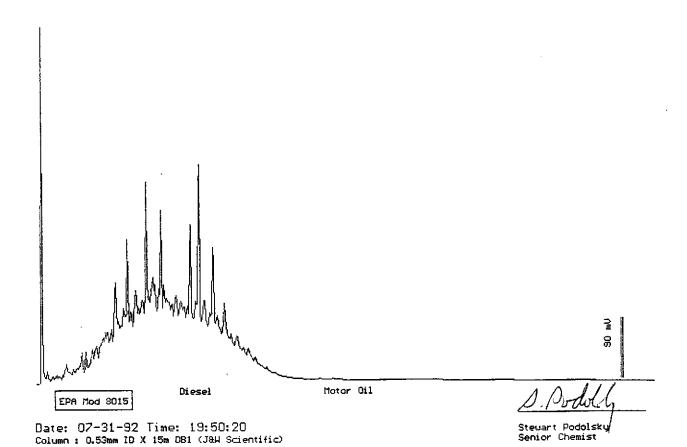
Sampled: 07/27/92 Extracted: 07/31/92

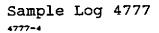
Dilution: 1:5 QC Batch: 8041A

Matrix : Soil

Parameter ,	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel TPH as Motor Oil	(50) (250)	4900 <250 *

\* Increased reporting limit due to diesel interference.







Sample: C4A,C4B,C4C,C4D

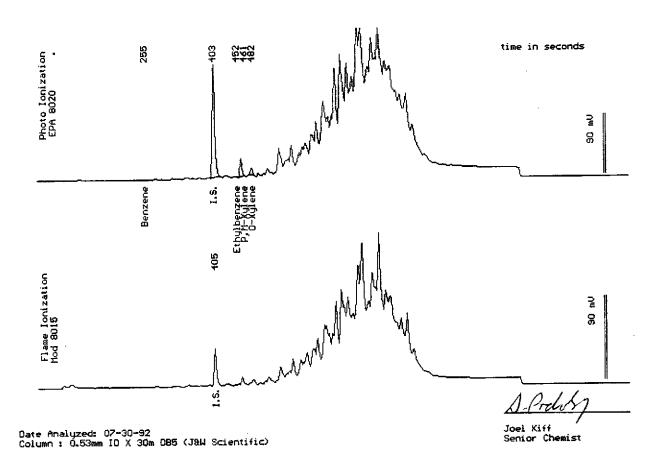
From : Project # 476001 (ANR Freight)

Sampled: 07/27/92

Dilution: 1:1000 QC Batch: 6056i

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value 29/kg
	(= a)	<5.0
Benzene	(5.0) (5.0)	<5.0
Toluene Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	34





Sample Log 4777

Sample: C4A,C4B,C4C,C4D

From : Project # 476001 (ANR Freight)

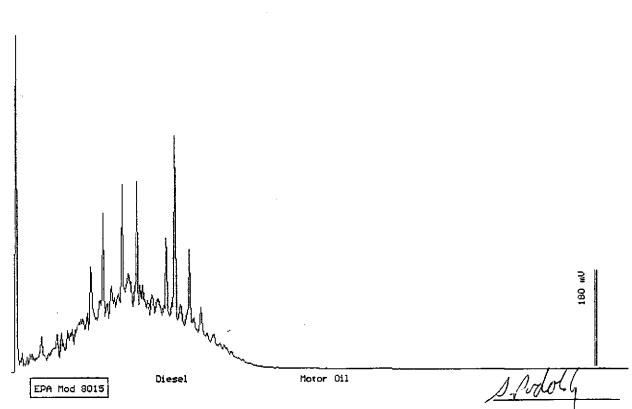
Sampled: 07/27/92 Extracted: 07/31/92

Dilution: 1:5 QC Batch: 8041A

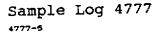
Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel TPH as Motor Oil	(50) (250)	5600 <250 *

\* Increased reporting limit due to diesel interference.



Date: 07-31-92 Time: 20:24:51 Column: 0.53mm ID X 15m DB1 (J&W Scientific) Stewart Podolsky Senior Chemist





Sample: C5A,C5B,C5C,C5D

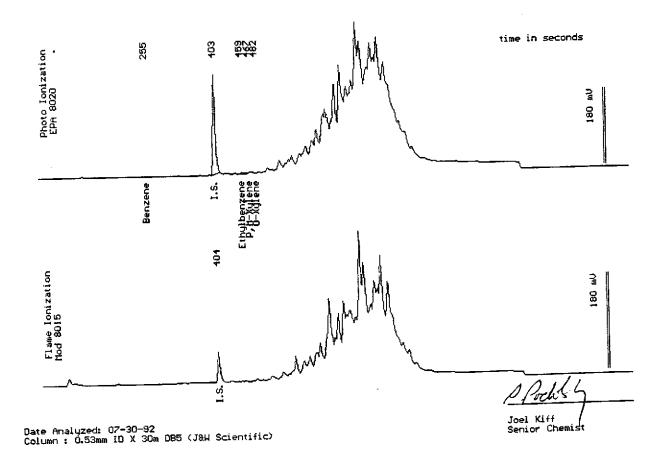
From : Project # 476001 (ANR Freight)

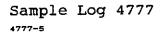
Sampled : 07/27/92

QC Batch : 6056i Dilution : 1:1000

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value *9/kg
	· <b>_</b>	
_	(5.0)	<5.0
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene		<5.0
Total Xylenes	(5.0)	







Sample: C5A,C5B,C5C,C5D

From : Project # 476001 (ANR Freight)

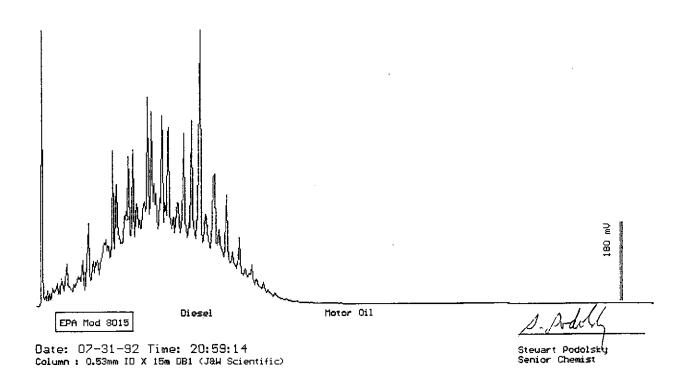
Sampled: 07/27/92 Extracted: 07/31/92

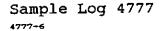
Dilution: 1:5 QC Batch: 8041A

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
TPH as Diesel	(50)	8900
TPH as Motor Oil	(250)	<250 *

\* Increased reporting limit due to diesel interference.







Sample: C6A,C6B,C6C,C6D

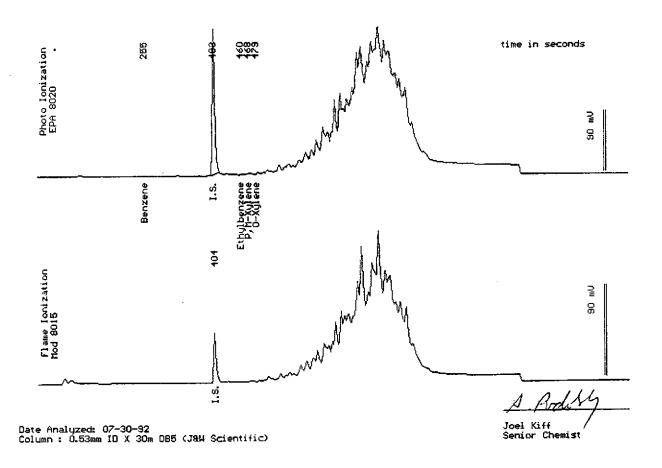
From : Project # 476001 (ANR Freight)

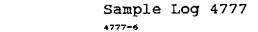
Sampled: 07/27/92

Dilution: 1:1000 QC Batch: 6056i

Matrix : Soil

Parameter	(MDL) mg/kg	Measured Value mg/kg
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0







Sample: C6A,C6B,C6C,C6D

From : Project # 476001 (ANR Freight)

Sampled: 07/27/92 Extracted: 07/31/92

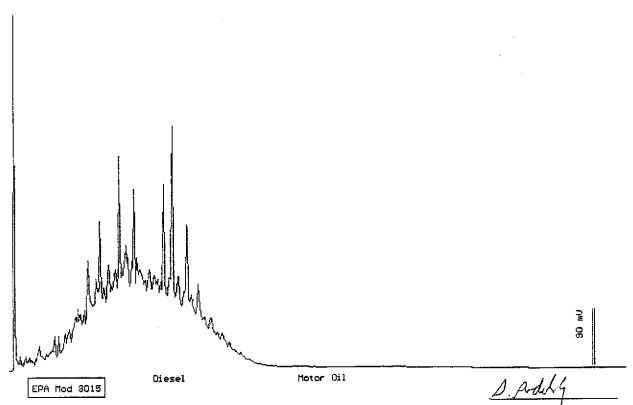
Dilution: 1:5

Matrix : Soil

QC Batch: 8041A

Parameter	(MDL) mg/kg	Measured Value =g/kg
TPH as Diesel TPH as Motor Oil	(50) (250)	6000 <250 *

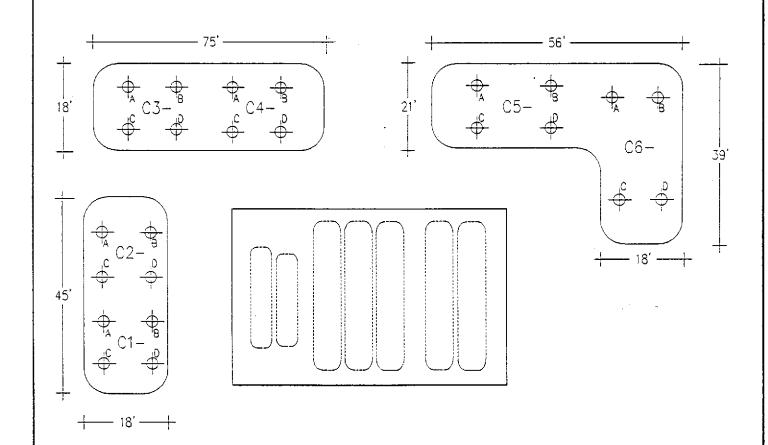
\* Increased reporting limit due to diesel interference.



Date: 07-31-92 Time: 21:33:51 Column: 0.53mm ID X 15m 081 (J&H Scientific) Stewart Podolsky Senior Chemist NOTES:



- Samples taken in 2" x 6" brass sleeves with 0 headspace, covered with PTFE, ends capped with Caplugs and placed on ice for transport.
- The stockpiles all had an average height of 8 feet.
- Samples C1, C2, C3, C4, C5 & C6 consist of 4 samples which are composited in the laboratory for analysis.



ANR FREIGHT

2225 7TH STREET

OAKLAND, CALIFORNIA

RAMCON

Sample Log#: 4776

DATE: 8/4/1992

SCALE N.T.S.



Western Environmental Science & Technology

45133 County Road 32B, Davis, CA 95616

Phone: (916) 753-9500

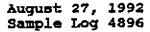
Drawn by: Dan Lips.

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WEST	
Western Environmental	

1046 Olive Drive, Suite 3 Davis, CA 95616 916-753-9500 FAX #: 916-753-6091

#### CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Western Environmen Sciegce & Technolog	tal TY	Davi:	s, CA 9	5616	L	AX #: 9 .AB#: 9	16-753 16-757	1-6091 -4650				****	<u> </u>				- •												
Project Manager	:		· · · · · ·	Ph	one #:							ΔΝ	IAL	VSI	SR	FΩ	HES	:T										1	ГАТ
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Project Number:		P.O.#:		Pro	oject Nam					20/80		C	<u>.</u>		ŀ					lity								4·hr)	Š.
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2225 F	<u> </u>	Dukla	<u>, )                                     </u>	TH	Ta	<u> </u>	<u> </u>	- <del></del>		Gasoline (602/8020/8015)	. (80	(552	oass		1	estic	ig l			Sivit		lluta 230	2					(12	N N
Sample	Sam	pling	Con	tainer	Met Pres	hod\/ erved	Ma	atrix	2/8020)		esel/Oi	Grease	Fish Bi	9010	3020	3080 · P	3080-PC	3240	LEAD	y, Corre	Metals	ority Po	Zn, N	.     .				ERVIC	ED SE
ID	DATE.	TIME	VOA SLEEVE	1L GLASS 1L PLASTIC	HNOS	NONE	WATER	SOIL	BTEX (602/8020)	ВТЕХ/ТРН as	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F) Total Oil & Grease IB /550 B/F F C)	96 - Hour Fish Bloassay	EPA 601/8010	EPA 602/8020 EPA 615/8150	EPA 608/8080 · Pesticides	EPA 608/8080-PCBs	EPA 624/8240	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metais	Cd, Cr, Pb, Zn, Ni					RUSHS	EXPEDITED SERVICE (48 h) or (1 wk) STANDARD SERVICE (2004)
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John Pile Ramcon P.O. Box 1026 West Sacramento, CA 95691

wasteoil

Subject: Analytical Results for 2 Soil Samples

Identified as: Project # 476001 (ANR Freight)

Received: 08/19/92 Furchase Order: 6302

Dear Mr. Pile:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on August 25, 1992 and describes procedures used to analyze the samples.

Sample(s) were received in brass sleeves that were sealed with PTFE sheets and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)
"TPH as Gasoline" (Modified EPA Method 8015/Purge-and-Trap)
"TPH as Diesel, Motor Oil, Jet/Kerosene" (Mod. 8015/Extraction)
"Polychlorinated Biphenyls (PCBs)" (EPA Method 8080/Extraction)
"Halogenated Solvents" (EPA Method 8010)
"Oil and Grease" (ASTM Method 5520 E,F)
"Semi-Volatile Organic Priority Pollutants" (EPA Method 8270)
"Waste Extraction Test for Cd, Cr, Pb, Zn, Ni"

Please refer to the following table(s) for summarized analytical results and contact us at 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Joel Kiffy Senior Chemist



The following abbreviations and qualifiers may be present in the analytical reports to follow:

ug/L : Micrograms of target analyte in 1 Liter of sample.

mg/kg: Milligrams of target analyte in 1 kg of sample.

B: This data qualifier indicates that a method blank from the analytical batch contained this compound and the level found in the sample is within 5 times

that level. Use data with caution.

C : This data qualifier indicates that the presence of

the compound has been confirmed by GC/MS.

TCLP : Toxicity Characteristic Leaching Procedure

MS : Matrix Spike

MSD : Matrix Spike Duplicate

RPD : Relative Percent Difference (the difference between

two values divided by the mean, expressed as a percentage.

% REC : Percent Recovery (the ratio between the measured value

and the expected value for a spiked sample, expressed

as a percentage.

< : Less than
> : Greater than



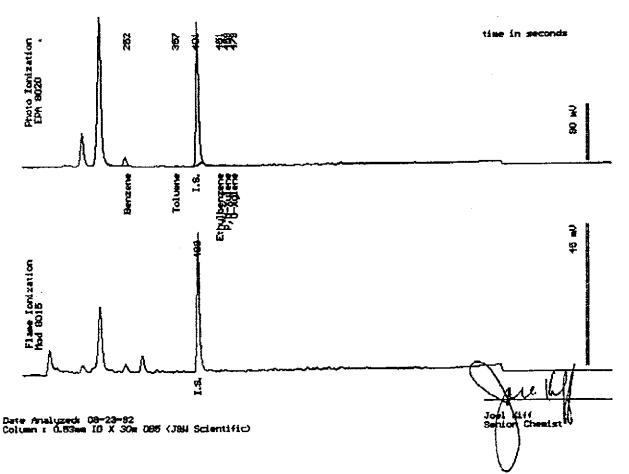
From : Project # 476001 (ANR Freight)

Sampled: 08/18/92

Dilution: 1:1 QC Batch: 6061f

Matrix : Soil

Parameter	(MDL) mg/mg	Measured Value ≥0/20				
,		011				
Benzene	(.0050)	.011				
Toluene	(.0050)	<.0050				
Ethylbenzene	(.0050)	<.0050				
Total Xylenes	(.0050)	<.0050				
TPH as Gasoline	(.50)	<.50				



Sampre 109 4050

Sample: PFA-1

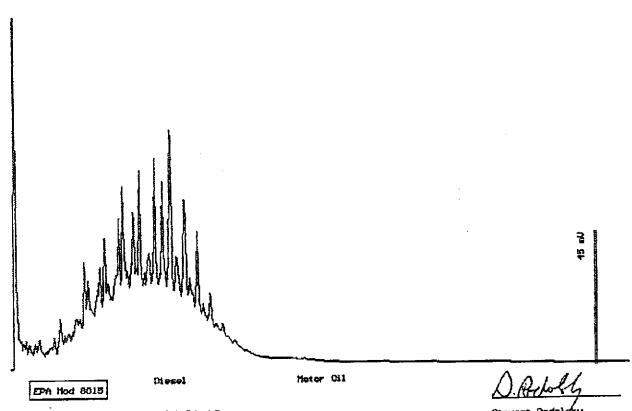
From : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Extracted: 08/20/92

Dilution: 1:1 QC Batch: 8045c

Matrix : Soil

Parameter	(MDL) maj/koj	Measured Value 29/kg
TPH as Diesel TPH as Motor Oil	(10) (10)	270 14



Date: 08-20-92 Time: 14:01:19 Column: 0.83mm ID X 15m DBI (JBN Scientific) Stewart Podolsky Senior Chemist



From : Project # 476001 (ANR Freight)

Sampled: 08/18/92

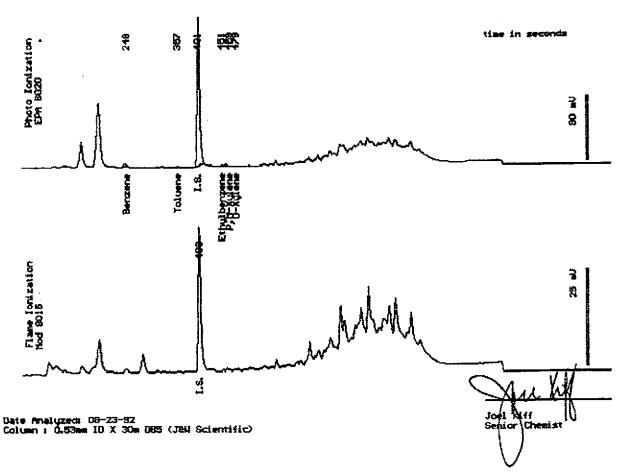
Dilution: 1:1

QC Batch : 6061f

Matrix : Soil

Parameter	(MDL) =g/kg	Measured Value =g/kg
Benzene Toluene Ethylbenzene Total Xylenes	(.0050) (.0050) (.0050) (.0050)	.0076 <.0050 <.0050 .0058
TPH as Gasoline	(.50)	2.7 *

\* Product is not typical gasoline.





Sample Log 4896

Sample: PFB-1

From : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Extracted: 08/20/92

Dilution: 1:1

Matrix : Soil

QC Batch : 8045c

Parameter	(MDL) mg/kg	Measured Value mg/kg			
TPH as Diesel TPH as Motor Oil	(10) (10)	27 <10			

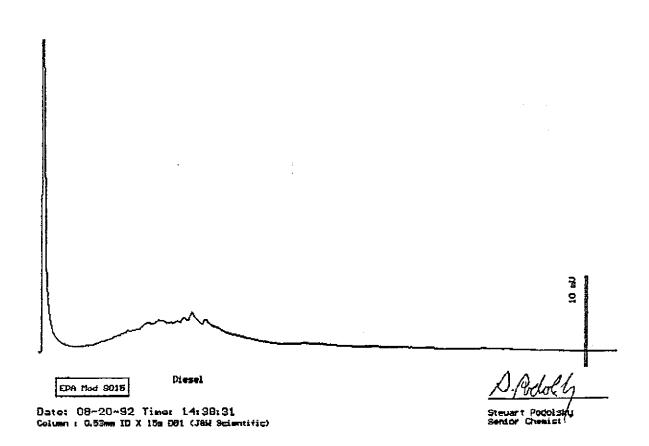




Table 1: Total Oil and Grease Results for 2 Soil Samples From Project # 476001 (ANR Freight)
Received 08/19/92

--all concentrations are units of mg/kg--

Sample	oil and Grease
	-en
PFA-1	<50
PFB-1	<50
(Reporting Limit	50)

Jos Kiff Benier Chemist



From : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Received: 08/19/92
Matrix: Soil Analyzed: 08/25/92

Extracted: 08/21/92

#### 8270 - Semi Volatile Organic Priority Pollutants

		Measured	
Parameter	(MDL) =q/mg	Value =0/kg	Flag
Acenaphthene	(0.57)	<0.57	
Acenaphthylene	(0.57)	<0.57	
Anthracene	(0.57)	<0.57	
Benzo (a) anthracene	(0.57)	<0.57	
Benzo (b) fluoranthene	(0.57)	<0.57	
Benzo (k) fluoranthene	(0.57)	<0.57	
Benzo (a) pyrene	(0.57)	<0.57	
Benzo (ghi) perylene	(0.57)	<0.57	
Benzyl butyl phthalate	(0.57)	<0.57	
bis (2-chloroethyl) ether	(0.57)	<0.57	
bis (2-chloroethoxy) methane	(0.57)	<0.57	
bis (2-ethylhexyl) phthalate	(1.1)	< 1.1	
bis (2-chloroisopropyl) ether	(0.57)	<0.57	
4-Bromophenyl phenyl ether	(0.57)	<0.57	
2-Chloronaphthalene	(0.57)	<0.57	
4-chlorophenyl phenyl ether	(0.57)	<0.57	
Chrysene	(0.57)	<0.57	
Dibenzo (ah) anthracene	(0.57)	<0.57	
Di-n-butyl phthalate	(0.57)	<0.57	
Di-n-octyl phthalate	(0.57)	<0.57	
1,3-Dichlorobenzene	(0.57)	<0.57	
1,2-Dichlorobenzene	(0.57)	<0.57	
1,4-Dichlorobenzene	(0.57)	<0.57	
3,3-Dichlorobenzidine	(0.57)	<0.57	
Diethyl phthalate	(0.57)	<0.57	
Dimethyl phthalate	(0.57)	<0.57	
2,4-Dinitrotoluene	(0.57)	<0.57	

John Kise John Chemist



From : Project # 476001 (ANR Freight)

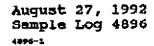
Sampled: 08/18/92 Received: 08/19/92
Matrix: Soil Analyzed: 08/25/92

Extracted : 08/21/92

8270 - Semi Volatile Organic Priority Pollutants

	-	Measured	
Parameter	(MDL) =g/kg	Value =q/=q	Flag
2,6-Dinitrotoluene	(0.57)	<0.57	
Fluoranthene	(0.57)	<0.57	
Fluorene	(0.57)	<0.57	
Hexachlorobenzene	(0.57)	<0.57	
Hexachlorobutadiene	(0.57)	<0.57	
Hexachloroethane	(0.57)	<0.57	
Indeno (123-cd) pyrene	(0.57)	<0.57	
Isophorone	(0.57)	<0.57	
Naphthalene	(0.57)	<0.57	
Nitrobenzene	(0.57)	<0.57	
n-Nitrosodi-n-propylamine	(0.57)	<0.57	
Phenanthrene	(0.57)	<0.57	
Pyrene	(0.57)	<0.57	
1,2,4-Trichlorobenzene	(0.57)	<0.57	
Benzidine	(0.57)	<0.57	
Hexachlorocyclopentadiene	(0.57)	<0.57	
n-Nitrosodimethylamine	(0.57)	<0.57	
n-Nitrosodiphenylamine	(0.57)	<0.57	
4-Chloro-3-methylphenol	(0.57)	<0.57	
2-Chlorophenol	(0.57)	<0.57	
2,4-Dichlorophenol	(0.57)	<0.57	
2,4-Dimethylphenol	(0.57)	<0.57	
2,4-Dinitrophenol	(0.57)	<0.57	
2-Methyl-4,6-dinitrophenol	(0.57)	<0.57	
2-Nitrophenol	(0.57)	<0.57	
4-Nitrophenol	(0.57)	<0.57	
Pentachlorophenol	(0.57)	<0.57	
Phenol	(0.57)	<0.57	
2,4,6-Trichlorophenol	(0.57)	<0.57	

Joseph Mind Chamist





Prom : Project # 476001 (ANR Freight)

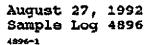
Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil Analyzed: 08/25/92

Extracted : 08/24/92

#### 8080 - Organochlorine Pesticides and PCBs

	Measured						
Parameter	(MDL) mg/kg	Value 20/20 F	Flag				
PCB 1016	(0.10)	<0.10					
PCB 1221	(0.20)	<0.20					
PCB 1232	(0.10)	<0.10					
PCB 1242	(0.10)	<0.10					
PCB 1248	(0.10)	<0.10					
PCB 1254	(0.10)	<0.10					
PCB 1260	(0.10)	<0.10					

Joel Khys Shan for Element





From : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil Analyzed: 08/23/92

#### 8010 - Halogenated Volatile Organics

		Measured	
Parameter	(MDL) mg/mg	Value ==/ke	Flag
Chloromethane	(0.02)	<0.02	
Chloroethane	(0.02)	<0.02	
Vinyl Chloride	(0.02)	<0.02	
Bromomethane	(0.02)	<0.02	
Trichlorofluoromethane	(.005)	<.005	
1,1-Dichloroethene	(0.02)	<0.02	
Dichloromethane	(.005)	<.005	
t-1,2-Dichloroethene	(.005)	.066	
1,1-Dichloroethane	(0.05)	<0.05	
Chloroform	(.001)	<.001	
1,1,1-Trichloroethane	(.001)	<.001	
1,2-Dichloroethane	(.005)	<.005	
Carbon Tetrachloride	(.001)	<.001	
1,2-Dichloropropane	(.005)	.048	
Trichloroethene	(.001)	<.001	
Bromodichloromethane	(.005)	<.005	
c-1,2-Dichloroethene	(.005)	.36	
c=1,3-Dichloropropene	(,005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.001)	.0021	
Dibromochloromethane	(.001)	<.001	
Chlorobenzene	(.005)	<.005	
Bromoform	(.005)	<.005	
1,1,2,2-Tetrachloroethane	(.001)	<.001	
1,4-Dichlorobenzene	(.001)	<.001	
1,3-Dichlorobenzene	(,001)	<.001	
1,2-Dichlorobenzene	(.001)	<.001	

Josi Kirr Benier Chemist



Prom : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil Analyzed: 08/25/92

Extracted : 08/21/92

#### 8270 - Semi Volatile Organic Priority Pollutants

		Measured	
Parameter	(MDL) mg/Mg	Value =q/kg	Flag
Acenaphthene	(0.10)	<0.10	
Acenaphthylene	(0.10)	<0.10	
Anthracene	(0.10)	<0.10	
Benzo (a) anthracene	(0.10)	<0.10	
Benzo (b) fluoranthene	(0.10)	<0.10	
Benzo (k) fluoranthene	(0.10)	<0.10	
Benzo (a) pyrene	(0.10)	0.11	
Benzo (ghi) perylene	(0.10)	(0.10	
Benzyl butyl phthalate	(0.10)	<0.10	
bis (2-chloroethyl) ether	(0.10)	<0.10	
bis (2-chloroetboxy) methane	(0.10)	<0.10	
bis (2-ethylhexyl) phthalate	(0.20)	<0.20	
bis (2-chloroisopropyl) ether		<0.10	
4-Bromophenyl phenyl ether	(0.10)	<0.10	
2-Chloronaphthalene	(0.10)	<0.10	
4-Chlorophenyl phenyl ether	(0.10)	<0.10	
Chrysene	(0.10)	<0.10	
Dibenzo (ah) anthracene	(0.10)	<0.10	
Di-n-butyl phthalate	(0.10)	<0.10	
Di-n-octyl phthalate	(0.10)	<0.10	
1,3-Dichlorobenzene	(0.10)	<0.10	
1,2-Dichlorobenzene	(0.10)	<0.10	
1,4-Dichlorobenzene	(0.10)	<0.10	
3,3-Dichlorobenzidine	(0.10)	<0.10	
Diethyl phthalate	(0.10)	<0.10	
Dimethyl phthalate	(0.10)	<0.10	
2,4-Dinitrotoluene	(0.10)	<0.10	

JOSÍ FLISS Senios Chemient



Prom : Project # 476001 (ANR Freight)

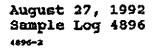
Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil Analyzed: 08/25/92

Extracted: 08/21/92

#### 8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MDL) =0/mg	Measured	Flag
2,6-Dinitrotoluene	(0.10)	<0.10	
Fluoranthene	(0.10)	<0.10	
Fluorene	(0.10)	<0.10	
Hexachlorobenzene	(0.10)	<0.10	
Hexachlorobutadiene	(0.10)	<0.10	
Hexachloroethane	(0.10)	<0.10	
Indeno (123-cd) pyrene	(0.10)	<0.10	
Isophorone	(0.10)	<0.10	
Naphthalene	(0.10)	0.24	
Nitrobenzene	(0.10)	<0.10	
n-Nitrosodi-n-propylamine	(0.10)	<0.10	
Phenanthrene	(0.10)	0.29	
Pyrene	(0.10)	0.12	
1,2,4-Trichlorobenzene	(0.10)	<0.10	
Benzidine	(0.10)	<0.10	
Hexachlorocyclopentadiene	(0.10)	<0.10	
n-Nitrosodimethylamine	(0.10)	<0.10	
n-Nitrosodiphenylamine	(0.10)	<0.10	
4-Chloro-3-methylphenol	(0.10)	<0.10	
2-Chlorophenol	(0.10)	<0.10	
2,4-Dichlorophenol	(0.10)	<0.10	
2,4-Dimethylphenol	(0.10)	<0.10	
2,4-Dinitrophenol	(0.10)	<0.10	
2-methy1-4,5-dinitrophenol	(0.10)	<0.10	
2-Nitrophenol	(0.10)	<0.10	
4-Nitrophenol	(0.10)	<0.10	
Pentachlorophenol	(0.10)	<0.10	
Phenol	(0.10)	<0.10	
2,4,6-Trichlorophenol	(0.10)	<0.10	

Joni Files Senior Chemist





From : Project # 476001 (ANR Freight)

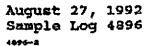
Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil Analyzed: 08/25/92

Extracted : 08/24/92

#### 8080 - Organochlorine Pesticides and PCBs

		Measured	
Parameter	(MDL) mg/kg	Value = 7/kg	Flag
PCB 1016	(0.03)	<0.03	
PCB 1221	(0.06)	<0.06	
PCB 1232	(0.03)	<0.03	
PCB 1242	(0.03)	<0.03	
PCB 1248	(0.03)	<0.03	
PCB 1254	(0.03)	<0.03	
PCB 1260	(0.03)	<0.03	

Jose ANES Benion Chowist





Prom : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil Analyzed: 08/23/92

#### 8010 - Halogenated Volatile Organics

	•	Measured			
Parameter	(MDL) ng/kg	Value ≥g/≥g	Flag		
Chloromethane	(0.02)	<0.02			
Chloroethane	(0.02)	<0.02			
Vinyl Chloride	(0.02)	<0.02			
Bromomethane	(0.02)	<0.02			
Trichlorofluoromethane	(.005)	<.005			
1,1-Dichloroethene	(0.02)	<0.02			
Dichloromethane	(.005)	<.005			
t-1,2-Dichloroethene	(.005)	.066			
1,1-Dichloroethane	(0.05)	<0.05			
Chloroform	(.001)	<.001			
1,1,1-Trichloroethane	(.001)	<.001			
1,2-Dichloroethane	(.005)	<.005			
Carbon Tetrachloride	(.001)	<.001			
1,2-Dichloropropane	(.005)	.087			
Trichloroethene	(.001)	<.001			
Bromodichloromethane	(.005)	<.005			
c-1,2-Dichloroethene	(.005)	.036			
c-1,3-Dichloropropene	(.005)	<.005			
t-1,3-Dichloropropene	(.005)	<.005			
1,1,2-Trichlorosthane	(.005)	<.005			
Tetrachloroethene	(.001)	<.001	•		
Dibromochloromethane	(.001)	<.001			
Chlorobenzene	(.005)	<.005			
Bromoform	(.005)	<.005			
1,1,2,2-Tetrachloroethane	(.001)	<.001			
1,4-Dichlorobenzane	(.001)	<.001			
1,3-Dichlorobenzene	(.001)	<.001			
1,2-pichlorobenzene	(.001)	<.001			

Josef Wiss semical character



From : Project # 476001 (ANR Freight)
Sampled : 08/18/92

Received : 08/19/92

Matrix : Soil

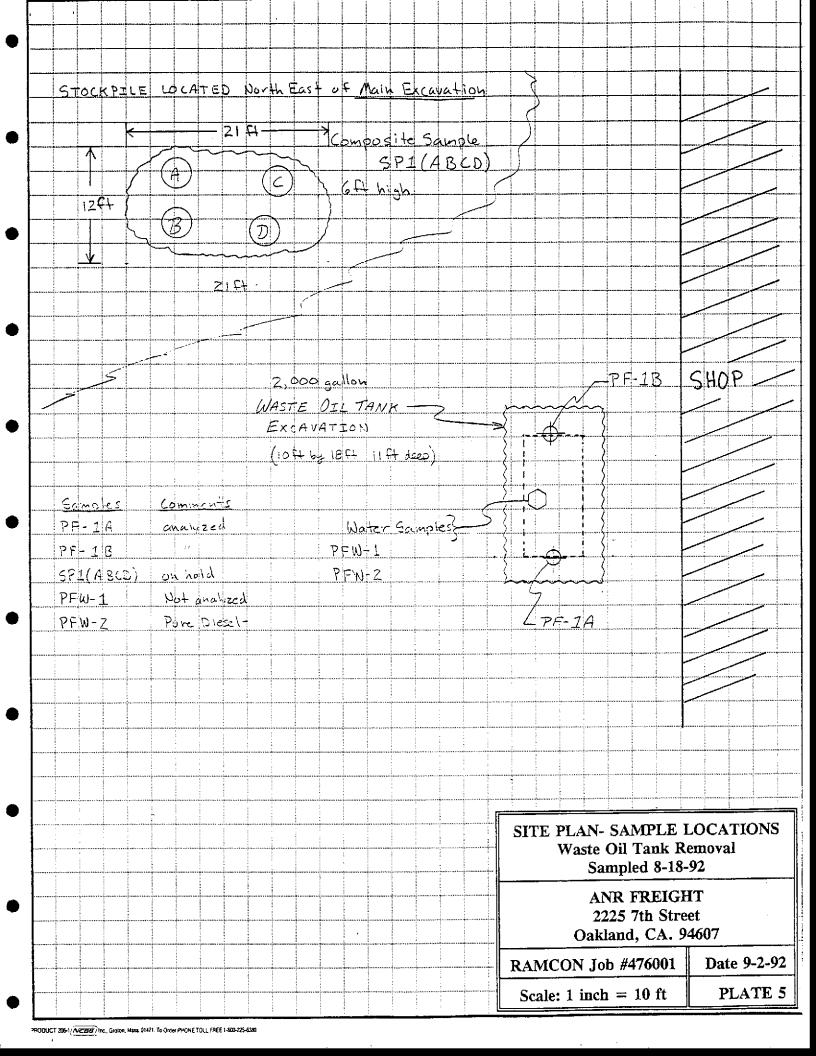
Parameter	(MDL) =/Nq	Measured Value/
Cd in WET Extract	(0.01)	0.020 mg/L
Cr in WET Extract	(0.05)	0.25 mg/L
Pb in WET Extract	(.005)	0.28 mg/L
		1.5 mg/L
Zn in WET Extract	(0.30)	
Ni in WET Extract	(0.05)	0.40 mg/L



From : Project # 476001 (ANR Freight)

Sampled: 08/18/92 Received: 08/19/92 Matrix: Soil

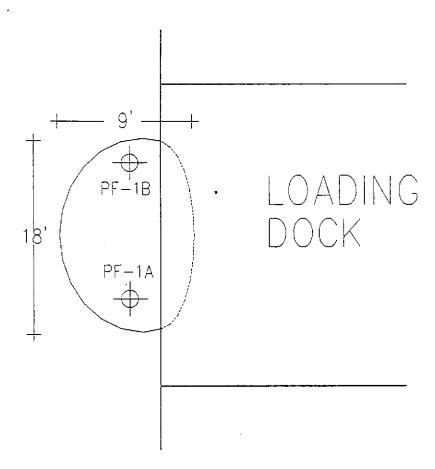
Parameter			(MDL) =g/Ng	Measured Value =g/kg						
		Extract	(0.01)	0.025	mg/L					
Ċr	in WET	Extract	(0.05)	0.29	ng/L					
Pb	in WET	Extract	(.005)	0.32	mg/L					
Zn	in WET	Extract	(0.30)	1.4	mg/L					
Ni	in WET	Extract	(0.05)	0.49	mg/L					



#### NOTES:

- Samples taken in 2 x 6" brass sleeves with 0 headspace, covered with PTFE, ends capped with Caplugs and placed on ice for transport.
- The excavation pit has a depth of 10.5'.

N 1



ANR FREIGHT

2225 7TH STREET

OAKLAND, CALIFORNIA

RAMCON

Sample Log#: 4896

DATE: 8/18/1992

SCALE N.T.S.



Western Environmental Science & Technology

45133 County Road 32B, Davis, CA 95616

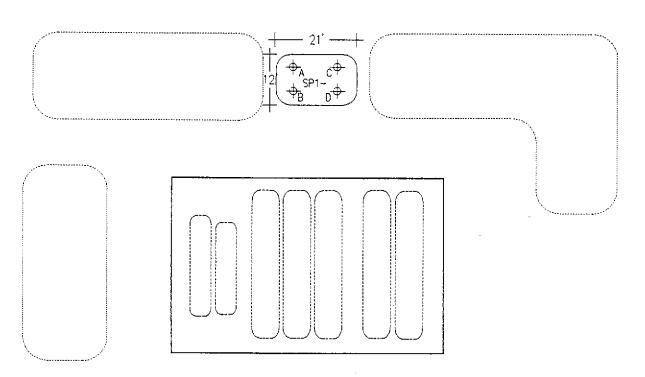
Phone: (916) 753-9500

Drawn by: Dan Lips.

NOTES:

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- Samples taken in 2" x 6" brass sleeves with 0 headspace, covered with PTFE, ends capped with Caplugs and placed on ice for transport.
- The stockpile has an average height of 8 feet.
- Sample SP1—A—D consists of 4 samples which are composited in the laboratory for analysis.



ANR FREIGHT

2225 7TH STREET

OAKLAND, CALIFORNIA

RAMCON

Sample Log#: 4896

DATE: 8/18/1992

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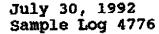
Drawn by: Dan Lips.

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APPENDIX 2: ANALYTICAL DATA

WEST Main Excavation- Sample Log #4776 & #4777

WEST Waste Oil Pit- Sample Log #4896





John Pile Ramcon P.O. Box 1026 West Sacramento, CA 95691

Subject: Analytical Results for 17 Soil Samples

Identified as: Project # 476001 (ANR Freight)

Received: 07/27/92 Purchase Order: 6170

Dear Mr. Pile:

Analysis of the sample(s) referenced above has been completed. This report is written to confirm results communicated on July 30, 1992 and describes procedures used to analyze the samples.

Sample(s) were received in brass sleeves that were sealed with PTFE sheets and plastic endcaps. Each sample was transported and received under documented chain of custody and stored at 4 degrees C until analysis was performed.

Sample(s) were analyzed using the following method(s):

"BTEX" (EPA Method 8020/Purge-and-Trap)
"TPH as Diesel, Motor Oil, Jet/Kerosene" (Mod. 8015/Extraction)

Please refer to the following table(s) for summarized analytical results and contact us at 916-757-4650 if you have questions regarding procedures or results. The chain-of-custody document is enclosed.

Approved by:

Stewart Podolsky Senior Chemist

#### **APPENDIX 3: DOCUMENTATION**

Uniform Hazardous Waste Manifests- Eight Tanks

Certificates of Tank Destruction- Eight Tanks

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TSDF SENDS THIS COPY TO DHS WITHIN 30 DAYS

P.O. Box 3000, Sacramento, CA 95812

Write:

To:

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	Richmond, Ca: 94801	C A D O O 9 4 1		400	/aPhone (#10)	235-1	393965372
	11. US DOT Description (including Proper Shipping Name, Ho	zard Class, and ID Number)	12. Con No.	Type	13, Total Quantity	14. Unit Wt/Vol	I. Waste Number
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TRANSPORTER FAC	economically practicable and that I have selected the practice to human health and the environment; OR, if I am waste management method that is available to me and that Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	sicable method of treatment, store a small quantity generator, I have t I can afford.  Signature	ige, or disposal cui	tently ava	ilable to me which	minimizes the generation	th and select the beat $7279$
TRANSPORTER FACILIT	economically practicable and that I have selected the practice to human health and the environment; OR, if I am waste management method that is available to me and that Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	Signature  Signature  Signature	age, or disposal cur e mode a good foi	orently over the effort t	ilable to me which o minimize my was	minimizes the generation	in and select the being $7279$
TRANSPORTER FACILI	economically practicable and that I have selected the practitive of the total to human health and the environment; OR, if I am waste management method that is available to me and that Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  18. Transporter 2 Acknowledgement of Receipt of Materials  19. Discrepancy Indication Space  19. Discrepancy Indication Space  20. Facility Owner or Operator Certification of receipt of hazar Printed/Typed Name	Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature	mifest except of ro	orently over the effort t	ilable to me which o minimize my was	minimizes the generation	in and select the being $7279$

P.O. Bax 3000, Sacramento, CA 95812

#### See Instructions on back in page 6.

Department of Health Services
 Toxic Substances Control Program
 Sacramento, California

UNIFORM HAZARDOUS CACOOD WASTE MANIFEST CACOOD	811480 8	est Documen	11 No.	2 Page 1	is not requ	n in the shaded areas ired by Federal law.
P.O. Box 7240 - Deny	cricistment.	30_	A. Stote 8. Stote	Generators ID		1688561
4. Generator's Phone (303) (320 - 3960)  5. Transporter 1 Company Name 6.	US EPA ID Number	<i>v</i> /		Interpreted in Interp	2027	1 1 1 2A
	AID 19 18 12 4 13 18	5.6.5	D: Iron	porters Phone	800 BB (400 BB 400 B	687.1292
	US EPA ID Number	13 13		Tromporter's ID		
	t t t t t t t t t t t t t t t t t t t	1 1 1		corter's Phone Fac®ty's ID		
Erickson, Inc. 255 Parr Blvd.	CO ECT TO THE ITEM			1 1 1 1 1	1 1 1	1 1 1
1	AD 0009466	382	H. Focial	ys Phone	(510)	235-1393
11. US DOT Description (including Proper Shipping Name, Hazard Class, an	nd ID Number)	12. Conta No.	iners Type	13. Total Quantity	14, Unit Wt/Vol	I. Waste Number
Waste Empty Storage Tank	· · · · · · · · · · · · · · · · · · ·					State
NON-RCRA Hazardous Waste	Solid.	0,0 ,1	T P	02000	P	EPA/Other NONE
o. (wast	tool tank)			1 1 1 1		State  EPA/Other
c.	·					Sicre
		1 1	_	1 1 1 1		EPA/Other
d.						State: EPA/Other
J. Additional Descriptions for Materials Listed Above	ma Scorege	1 1	k. Handli	ng Codes for Wastes	Listed Abo	ve
8 9418 . Tank has been liver too Ice per 1000 tals. capacity.	Frith 15 Bs.	. Dry	G.		b. d	
15. Special Handling Instructions and Additional Information						
Keep away from sources of igni						
around U.S.T.'s. SITE LOCATION	%: 2225 - 7th.	. Stre	eet -	· Gakland	, Cal	Lifornia
24 hr. Contact name: Karnin	<u> </u>	Phone	<u> </u>	(1/4) ]	` 🧎 🝷	
GENERATOR'S CERTIFICATION: I hereby declare that the contents of packed, marked, and labeled, and are in all respects in proper cond.	f this consignment are fully and lition for transport by highway as	occurately occurately oc	described pplicable	above by proper stinternational and in	nipping nar ational gov	ne and are classified. ernment regulations.
If I am a large quantity generator, I certify that I have a program economically practicable and that I have selected the practicable threat to human health and the environment; OR, if I am a small qual management method that is available to me and that I can afford.	in place to reduce the volume method of treatment, storage, a	and toxicity or disposal cu	of waste	generated to the o	tegree I ha minimizes t	ive determined to be the present and future
Printed/Typed Name	Signature /				Month	Day Year
Rollo Stephens AGENT	ر د د کور ا	-/_	· /	ALFAT	_	,
17. Transporter I Acknowledgement of Receipt of Materials	[110	<u> </u>		TULY	E <sub>1</sub> C	1 <sub> </sub> 3   9 <sub> </sub> 2
Printed/Typed Name	Signature	,- <b>,</b>	Jan T		Month	Day Year
James, R. Cox	Jan 200			کی جیٹر	0 3	1 3 9 2
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature				Montt	Day Year
						4 . 1 .
19. Discrepancy Indication Space	<u> </u>					
20. Facility Owner or Operator Certification of receipt of hazardous mater	right covered by this manifest exc	ept as noted	in item 1	9.		
Printed/Typed Name	Signature				Month	Day Year

TRANSPORTER FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE HATIONAL RESPONSE CENTER 1 800 424 8802; WITHIN CALIFORNIA, CALL 1-800 852-7550

GENERATOR

TELEPHONE (510) 235-1393

#### CERTIFICATE

### CERTIFIED SERVICES COMPANY

NO.	08123
TOMER	

CUSTOMER RAMCON	
JOB NO.	79156

)	Erickson, Inc. FOR: TANK	9250 NO	
	Richmond LOCATION: DATE	07/29/92 TIME: 05:24:22	
FE	Visual Gastech/1311 SMPN LAST	PRODUCT	_
	This is to certify that I have personally determined that Petroleum Institute and have found the condition to be This certificate is based on conditions existing at th completed and is issued subject to compliance with all qua	in accordance with its assigned designation. e time the inspection herein set forth was	_
	6500 Gallon Tank TANK SIZE CO	SAFE FOR FIRE	•
	ONYGEN 20.9%  REMARKS:  LOWER EXPLOSIVE LIMIT LESS THAN 0.1	);	
•	"ERICKSON INC. HEREBY CERTIFIES THAT THE AB	OVE NUMBERED TANK HAS BEEN	
	CUT OPEN, PROCESSED, AND THEREFORE DESTROY	ED AT OUR PERMITTED HAZARDOUS	
)	WASTE FACILITY."		
)	In the event of any physical or atmospheric changes affecting the ga immediately stop all hot work and contact the undersigned. This pe changes occur.	s-free conditions of the above tanks, or if in any doubt, rmit is valid for 24 hours if no physical or atmospheric	
•	STANDARD SAFETY DESIGNATION  SAFE FOR MEN: Means that in the compartment or space so designa 19.5 percent by volume; and that (b) Toxic materials in the atmosphe judgment of the Inspector, the residues are not capable of producir while maintained as directed on the Inspector's certificate.	ere are within permissable concentrations; and (c) in the	
•	SAFE FOR FIRE: Means that in the compartment so designated atmosphere is below 10 percent of the lower explosive limit; and the not capable of producing a higher concentration that permitted under and while maintained as directed on the Inspector's certificate, and sufficiently to prevent the spread of fire, are satisfactorily inerted, or necessary by the Inspector.	at (b) In the judgment of the Inspector, the residues are rexisting atmospheric conditions in the presence of fire further, (c) All adjacent spaces have either been cleaned	
	The undersigned representative acknowledges receipt of this certifica which it was issued.	DR	
	REPRESENTATIVE / TITLE	INSPECTOR	

TELEPHONE (510) 235-1393

# CERTIFIED SERVICES COMPANY 255 Parr Boulevard • Richmond, California 94801

IIO DOTOS CUSTOMER RAMCON JOB NO. 79156

FOR: Erickson. Ir	1C TANK NO. 9249
Richmond LOCATION:	DATE:TIME:
Visual Gastech/1314 SMPX TEST METHOD	D LAST PRODUCT
Petroleum Institute and have found the condition	ned that this tank is in accordance with the American on to be in accordance with its assigned designation.  Ing at the time the inspection herein set forth was the all qualifications and instructions.
8000 Gallon Tank TANK SIZE	SAFE FOR FIRE CONDITION
ONYGEN 20.9%	
REMARKS:	HAN 0.1%
EOWER ENTERS TO THE	
	THE LOOKE NUMBERED TANK HAS BEEN
"ERICKSON INC. HEREBY CERTIFIES THAT	
CUT OPEN, PROCESSED, AND THEREFORE	DESTROYED AT OUR PERMITTED HAZARDOUS
WASTE FACILITY."	
In the event of any physical or atmospheric changes affect	ting the gas-free conditions of the above tanks, or if in any doubt, ed. This permit is valid for 24 hours if no physical or atmospheric
changes occur.	su. This permit is valid for 27 hours in the physical and an experience,
to consent by volume, and that (b) Toxic materials in the	so designated (a) The oxygen content of the atmosphere is at least e atmosphere are within permissable concentrations; and (c) In the of producing toxic materials under existing atmospheric conditions
atmosphere is below 10 percent of the lower explosive line not capable of producing a higher concentration that permand while maintained as directed on the inspector's certification.	designated (a) The concentration of flammable materials in the mit; and that (b) In the judgment of the Inspector, the residues are nitted under existing atmospheric conditions in the presence of fire icate, and further, (c) All adjacent spaces have either been cleaned inerted, or in the case of fuel tanks, have been treated as deemed
The undersigned representative acknowledges receipt of the which it was issued.	nis certificate and understands the conditions and limitations under
REPRESENTATIVE	INSPECTOR
	CP€

TELEPHONE (510) 235-1393

# CERTIFIED SERVICES COMPANY

	00707
CUSTOMER RAMCON	
JOB NO.	79156

	FOR: Erickson, Inc. TANK NO
,	LOCATION: DATE: DATE: TIME: 08:47:34
TE	EST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D
	This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.
	20000 Gallon Tank SAFE FOR FIRE CONDITION
	ONYGEN 20.9%  REMARKS:  LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
	"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."
	In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.  STANDARD SAFETY DESIGNATION  SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.  SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.  The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.  All the atmospheric conditions of the atmospheric conditions and limitations under which it was issued.  BEPRESENTATIVE
(	CP5

,TELEPHONE (510) 235-1393

# CERTIFIED SERVICES COMPANY

CUSTOMER.	
JOB NO.	79156

Erickson.	Inc. 9245 TANK NO
Richmond LOCATION:	DATE: TIME:
Visual Gastech/1314 SMP	LAST PRODUCT
Petroleum Institute and have found the cond	mined that this tank is in accordance with the American dition to be in accordance with its assigned designation. In sting at the time the inspection herein set forth was with all qualifications and instructions.
20000 Gallon Tank TANK SIZE	SAFE FOR FIRE
OXYGEN 20.9%	OONDITION
REMARKS:	THAN 0.1%
"ERICKSON INC. HEREBY CERTIFIES TH	HAT THE ABOVE NUMBERED TANK HAS BEEN
CUT OPEN, PROCESSED, AND THEREFOR	RE DESTROYED AT OUR PERMITTED HAZARDOUS
WASTE FACILITY."	
standard stop all hot work and contact the underschanges occur.  STANDARD SAFETY DESIGNATION  SAFE FOR MEN: Means that in the compartment or spansion of the Inspector, the residues are not capably while maintained as directed on the Inspector's certificate.	ace so designated (a) The oxygen content of the atmosphere is at least the atmosphere are within permissable concentrations; and (c) In the older of producing toxic materials under existing atmospheric conditions e.
atmosphere is below 10 percent of the lower explosive not capable of producing a higher concentration that and while maintained as directed on the Inspector's consufficiently to prevent the spread of fire, are satisfacted necessary by the Inspector.	so designated (a) The concentration of flammable materials in the e limit; and that (b) In the judgment of the Inspector, the residues are permitted under existing atmospheric conditions in the presence of fire ertificate, and further, (c) All adjacent spaces have either been cleaned orily inerted, or in the case of fuel tanks, have been treated as deemed
The undersigned representative acknowledges receipt of which it was issued.	of this certificate and understands the conditions and limitations under
REPRÉSENTATIVE TITLE	INSPECTOR CP56

TELEPHONE (510) 235-1393

### CERTIFIED SERVICES COMPANY

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JOI	ВМ	Ο.			7	79	15	5		

		. 9246 . TANK NO	
1	Richmond LOCATION:	07/30/92 11: DATE: TIME:	: 18:11
TE	Visual Gastech/1314 SMPN ST METHOD	LAST PRODUCT	
	This is to certify that I have personally determined Petroleum Institute and have found the condition This certificate is based on conditions existing completed and is issued subject to compliance with	to be in accordance with its as gat the time the inspection he	ssigned designation. erein set forth was
	20000 Gallon Tank TANK SIZE	SAFE FO	
	OXYGEN 20.9% REMARKS: LOWER EXPLOSIVE LIMIT LESS TH	AN 0.1%	
•	"ERICKSON INC. HEREBY CERTIFIES THAT	THE ABOVE NUMBERED TANK P	HAS BEEN
	CUT OPEN, PROCESSED, AND THEREFORE D	ESTROYED AT OUR PERMITTED	) HAZARDOUS
•	WASTE FACILITY."		
	In the event of any physical or atmospheric changes affecting immediately stop all hot work and contact the undersigned changes occur.	ng the gas-free conditions of the above to the above to the spermit is valid for 24 hours if no	tanks, or if in any doubt, physical or atmospheric
	STANDARD SAFETY DESIGNATION  SAFE FOR MEN: Means that in the compartment or space so 19.5 percent by volume; and that (b) Toxic materials in the judgment of the Inspector, the residues are not capable of while maintained as directed on the Inspector's certificate.	atmosphere are within permissable conc	entrations; and (c) in the
	SAFE FOR FIRE: Means that in the compartment so de atmosphere is below 10 percent of the lower explosive limi not capable of producing a higher concentration that permi and while maintained as directed on the Inspector's certific sufficiently to prevent the spread of fire, are satisfactorily in necessary by the Inspector.	t; and that (b) In the judgment of the in tted under existing atmospheric condition ate, and further, (c) All adjacent spaces	ns in the presence of fire have either been cleaned
	The undersigned representative acknowledges receipt of this which it was issued.	certificate and understands the condition	ons and limitations under
	REPRESENTATIVE TITLE	INSPECTOR	CP5
	1 /		OF 37

TELERHONE (510) 235-1393

# CERTIFIED SERVICES COMPANY

CHSTOMER	· ·
JOB NO.	79156

	Erickson, Inc. 9247  FOR: TANK NO
	Richmond 07/31/92 09:23:04  LOCATION: DATE: TIME:
TES	Visual Gastech/1314 SMPN D ST METHOD LAST PRODUCT
1 444	
	This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.
	20000 Gallon Tank SAFE FOR FIRE  TANK SIZE CONDITION
	ONYGEN 20.9%
	LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
	LOWER PAR LODE VE PETRE VEDO TIME. IV
	TOTO TAVE HAR SEEV
	"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
	CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS
	WASTE FACILITY."
	In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.
	STANDARD SAFETY DESIGNATION
	SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.
	SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.
	The undersigned répresentative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued
	TITLE INSPECTOR
ı	REPRESENTATIVE TITLE INSPECTOR

, TELERHONE (510) 235-1393

# CERTIFIED SERVICES COMPANY

	INO.	08122
-	CUSTOMER	
į	RAMCON	
	JOB NO.	79156

	92 <u>4</u> 8 TANK NO		
Richmond LOCATION:	07/31/92 09:23:04 DATE: TIME:		
Visual Gastech/1314 SMPN TEST METHOD	LAST PRODUCT		
***			
Petroleum Institute and have found the condition	d that this tank is in accordance with the American to be in accordance with its assigned designation. at the time the inspection herein set forth was all qualifications and instructions.		
20000 Gallon Tank TANK SIZE	SAFE FOR FIRE		
OXYGEN 20.9%			
REMARKS: LOWER EXPLOSIVE LIMIT LESS THA	N 0.1%		
**************************************			
"ERICKSON INC. HEREBY CERTIFIES THAT I	THE ABOVE NUMBERED TANK HAS BEEN		
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS			
WASTE FACILITY."			
In the event of any physical or atmospheric changes affecting immediately stop all hot work and contact the undersigned. changes occur.	g the gas-free conditions of the above tanks, or if in any doubt, This permit is valid for 24 hours if no physical or atmospheric		
STANDARD SAFETY DESIGNATION			
SAFE FOR MEN: Means that in the compartment or space so 19.5 percent by volume; and that (b) Toxic materials in the a	designated (a) The oxygen content of the atmosphere is at least tmosphere are within permissable concentrations; and (c) In the producing toxic materials under existing atmospheric conditions		
SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.			
The undersigned representative acknowledges receipt of this which it was issued.	certificate and understands the conditions and limitations under		
REPRESENTATIVE TITLE	INSPECTOR		
. (1			