



**RAMCON**

*Engineering & Environmental Contracting*

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**

*STID 940*

*STID 940*

*940*

*no cover letter*



**RAMCON**

Engineering & Environmental Contracting

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 Maintenance 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. → NESCO prepared it; dated 5-31-91.

\* 3-16-90  
10,000 gal diesel tank

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### 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. <sup>ok</sup> 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 per composite 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-of-custody to WEST Laboratory located in Davis, CA. WEST is a hazardous materials certified laboratory, CA DOHS ELAP No. 1346.

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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.

but was as high as 100,000 ppm see Table 1

to what about

but TPH-d was as high as 8,900 ppm.

**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).

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#### 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. |

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**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.

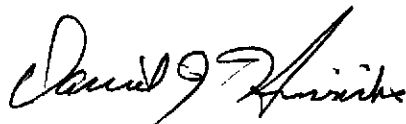
The presence of diesel floating on the surface of the water in the waste oil tank pit; indicates that the diesel present in the main excavation may extend laterally 120 feet south-west to the waste oil pit. The lateral limits of the surface diesel contamination are unknown at the present time. The ground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

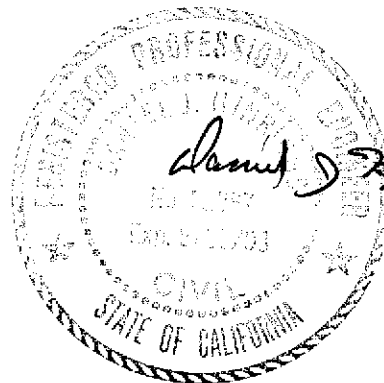
Sincerely,



Jaffrey S Auchterloine  
RAMCON- Project Geologist



Daniel Hinrichs, P.E.  
Consulting Engineer



**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

**APPENDIX 2: ANALYTICAL DATA**

WEST	Main Excavation- Sample Log #4776 & #4777
WEST	Waste Oil Pit- Sample Log #4896

**APPENDIX 3: DOCUMENTATION**

Uniform Hazardous Waste Manifests- Eight Tanks
Certificates of Tank Destruction- Eight Tanks

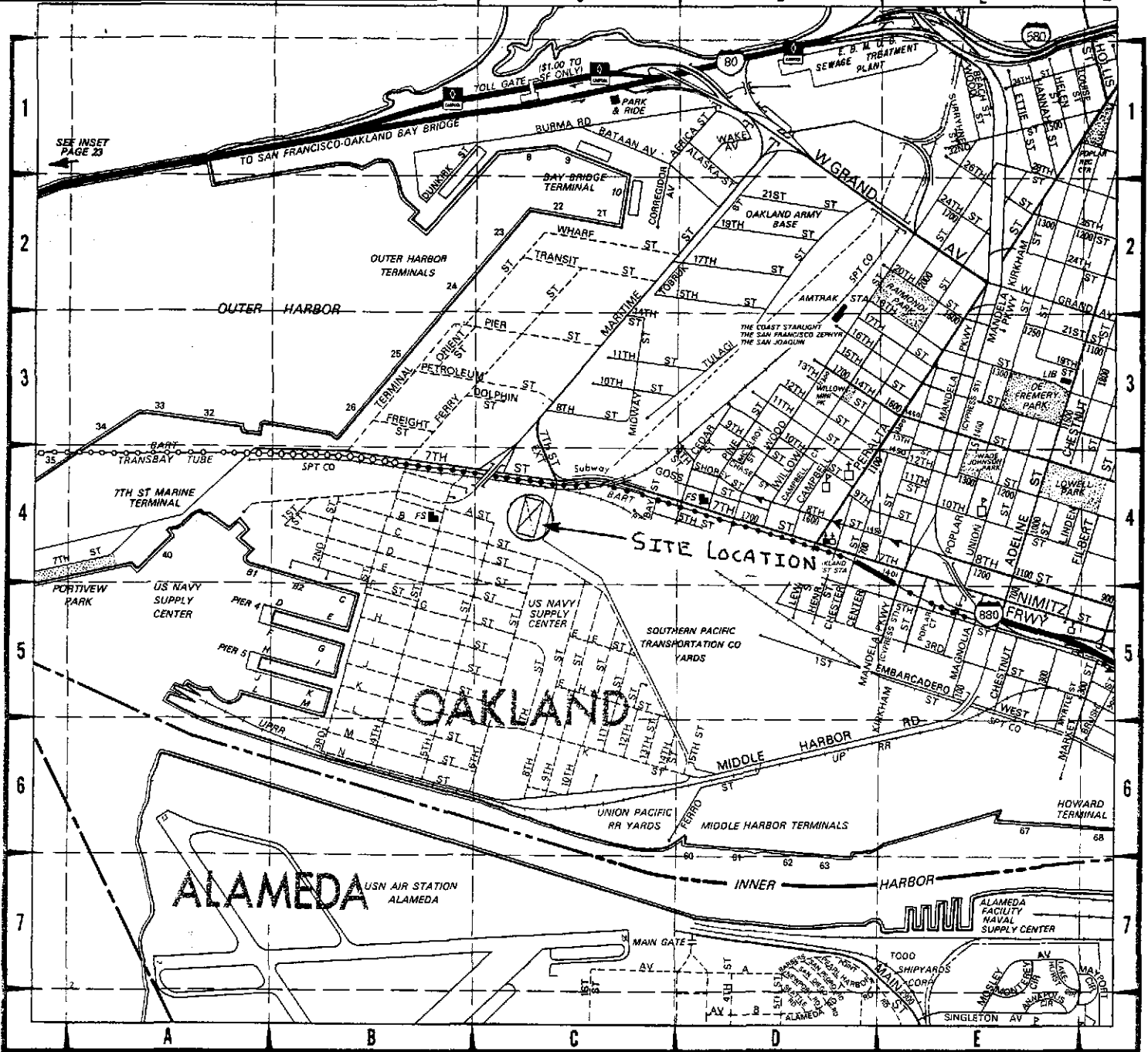
**APPENDIX 1: PLATES & TABLES**

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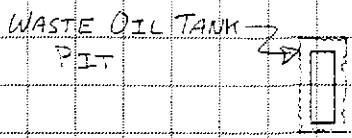
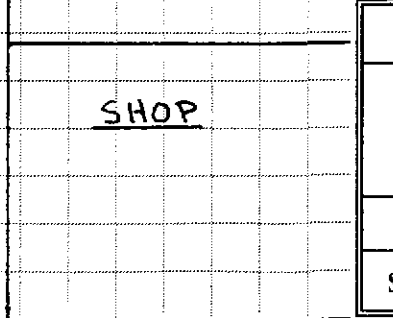
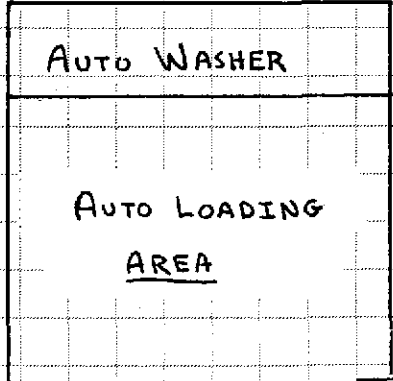
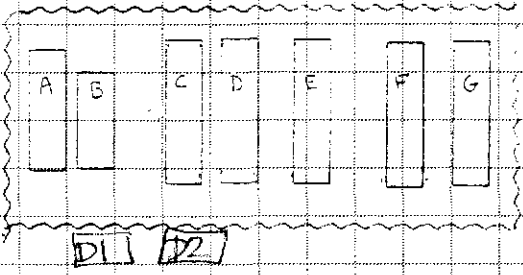
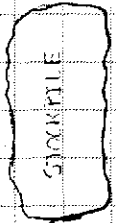
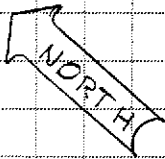
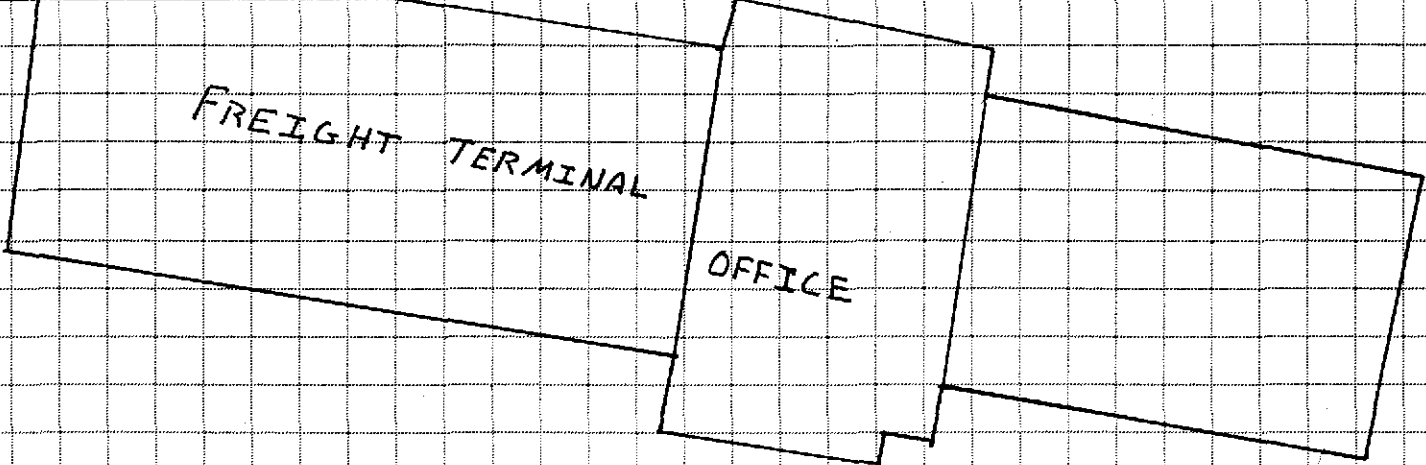
FOR CONTINUATION SEE MAP

DETAIL



1,470.                      1,473.                      FOR CONTINUATION SEE MAP 8                      1,482.                      1,485.

<b>GENERAL LOCATION MAP</b>	
<b>ANR FREIGHT</b> 2225 7th Street Oakland, CA. 94607	
<b>RAMCON Job #476001</b>	<b>Date 9-2-92</b>
<b>Scale: 1 inch = 2,200 ft</b>	<b>PLATE 1</b>



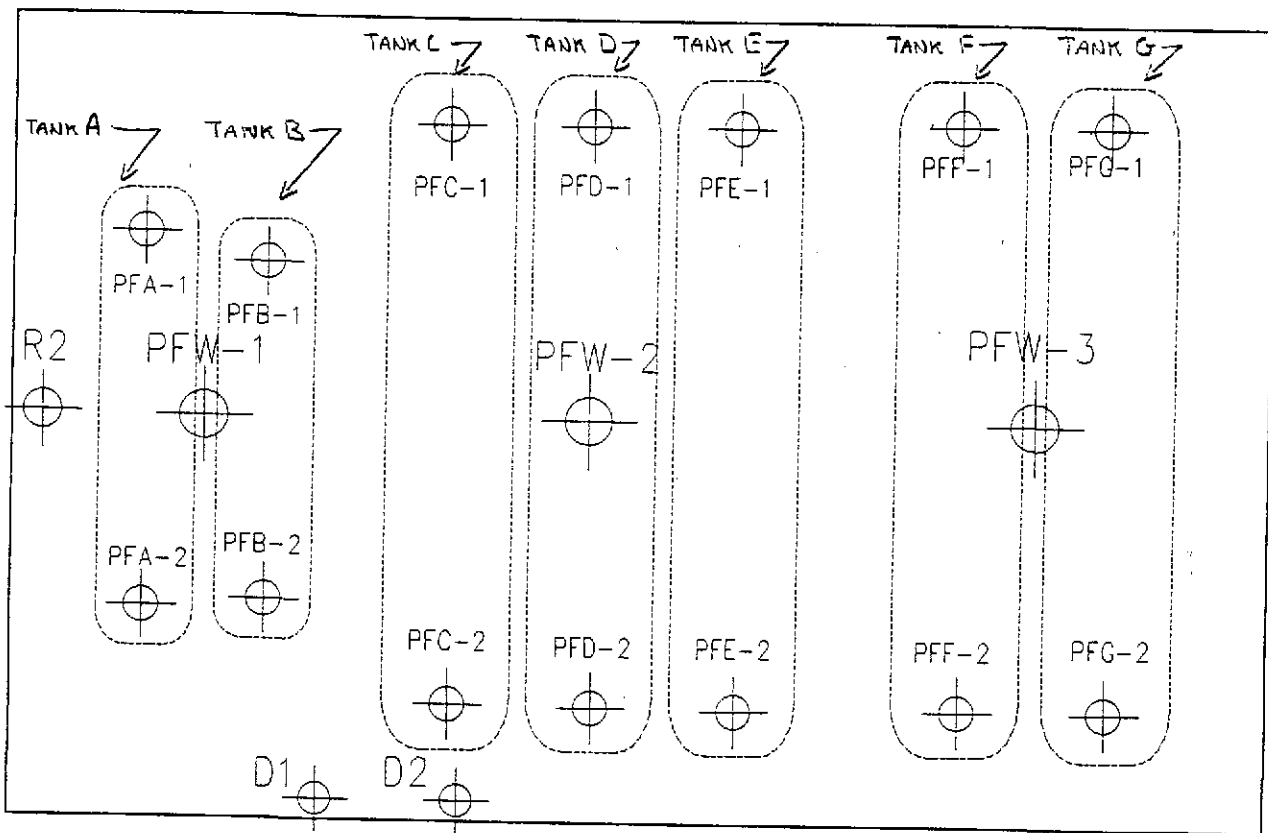
7th St.

<b>GENERAL SITE PLAN</b>	
<b>ANR FREIGHT</b> 2225 7th Street Oakland, CA. 94607	
Job #476001	Date 9-2-92
Scale: 1 inch = 40 ft	<b>PLATE 2</b>

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 Bulk Oil



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

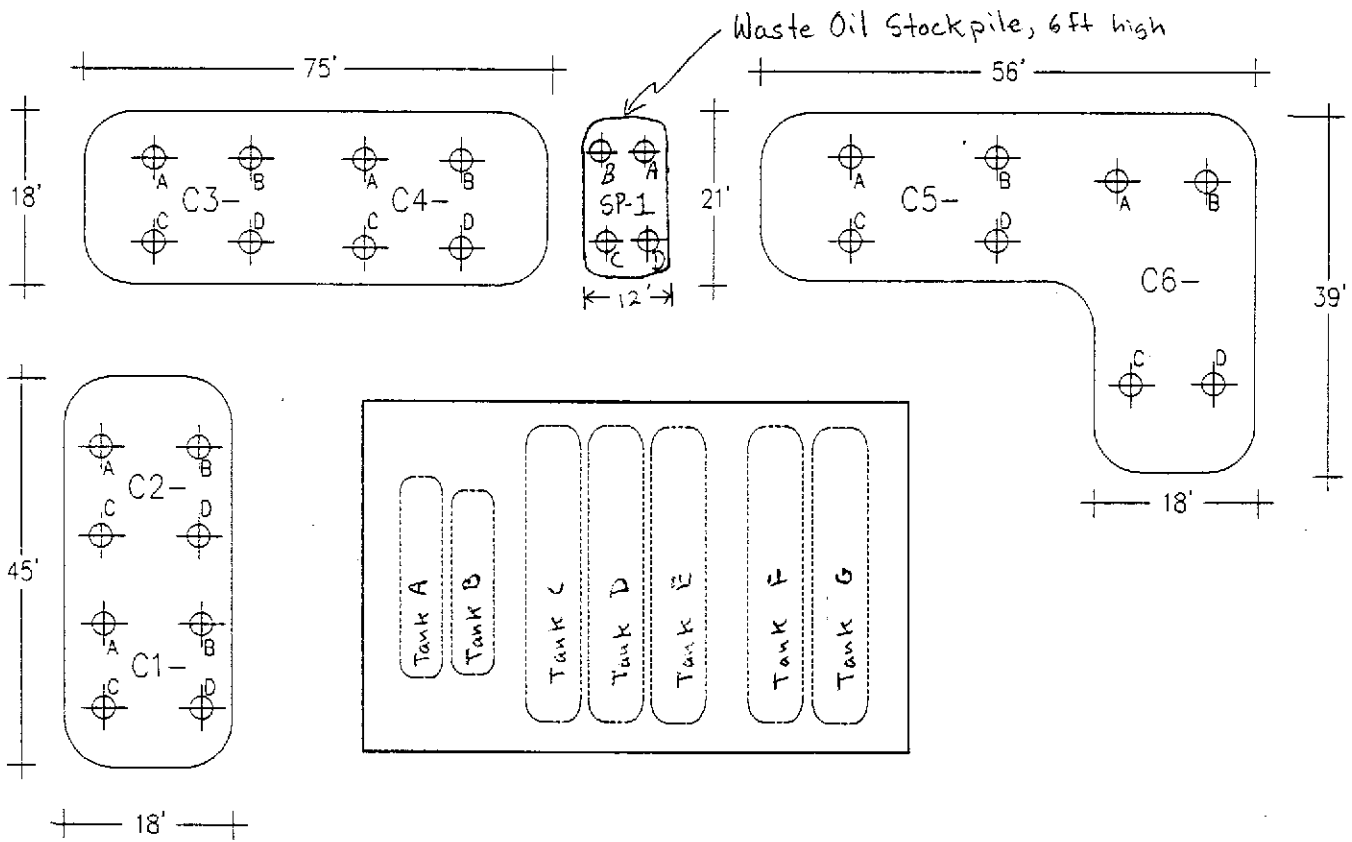
Phone: (916) 753-9500

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.



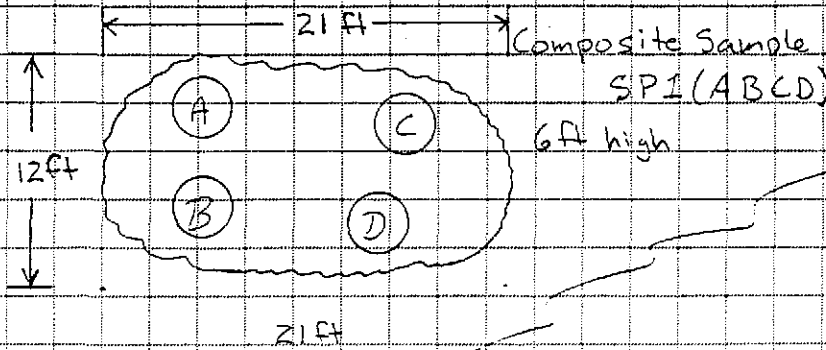
Western Environmental  
 Science & Technology

45133 County Road 32B, Davis, CA 95616

Phone: (916) 753-9500

Drawn by: Dr. **PLATE 4**

STOCKPILE LOCATED North East of Main Excavation



2,000 gallon  
WASTE OIL TANK  
EXCAVATION  
(10 ft by 18 ft 11 ft deep)

PF-1B SHOP

Sample	Comments
PF-1A	analyzed
PF-1B	"
SPI(ABCD)	on hold
PFW-1	Not analyzed
PFW-2	Pure Diesel

Water Samples

PFW-1  
PFW-2

PF-1A

**SITE PLAN- SAMPLE LOCATIONS**  
Waste Oil Tank Removal  
Sampled 8-18-92

**ANR FREIGHT**  
2225 7th Street  
Oakland, CA. 94607

RAMCON Job #476001

Date 9-2-92

Scale: 1 inch = 10 ft

PLATE 5

**TABLE 1: ANALYTICAL SUMMARY**  
**ANR Freight- Oakland, CA.**  
**RAMCON Job #476001 Sampled 7-27-92**  
**WEST Sample Logs #4776 & #4777**  
**MAIN EXCAVATION TANK REMOVAL**

Sample	B	T	E	X	TPH as Diesel	TPH as Motor Oil
PFA-1	7.4	ND	11	47	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	--	--	--	--	--	--
(water) = PFV-1 PW-1(ppm)	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.

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

ANALYSES		Reporting Limits	Sample Number	
			PFA- <sup>I-A</sup>	PFB- <sup>I-B</sup>
Benzene (EPA 8020)		.005 mg/kg	.011	.0076
Toluene		"	ND	ND
Ethylbenzene		"	ND	ND
Xylene		"	ND	.0058
TPH as Gasoline (EPA 8015)		.50 mg/kg	ND	2.7
TPH as Diesel (EPA 8015)		10 mg/kg	270	27
TPH as Motor Oil (EPA 8015)		10 mg/kg	14	ND
Oil & Grease (ASTM 5520)		50 mg/kg	ND	ND
Semi-Volatile Organics (EPA 8270)		(1.1 to .57) mg/kg	ND	ND
Benzo a pyrene		0.10 mg/kg	ND	0.11
Benzo ghi perylene		" "	ND	0.10
Naphthalene		" "	ND	0.24
Phenanthrene		" "	ND	0.29
Pyrene		" "	ND	0.12
Organochlorine Pesticides & PCB's (EPA 8080)		.10 to .20 mg/kg	ND	ND
Halogenated Volatile Organics (EPA 8010)				
t-1, 2-Dichloroethene		.005 mg/kg	.066	.066
1, 2-Dichlopropane		" "	.048	.087
c-1, 2-Dichloroethene		" "	.36	.036
Tetrachloroethene		.001 mg/kg	.0021	ND
<u>Waste Oil Metals:</u>	<u>Title 22 STLC:</u>			
Cadmium	1.0 mg/kg ✓	0.01 mg/kg	.020	0.025
Chromium	5 mg/kg ✓	0.05 mg/kg	0.25	0.29
Lead	5.0 mg/kg ✓	0.005 mg/kg	0.28	0.32
Nickel	20 mg/kg ✓	0.30 mg/kg	1.5	1.4
Zinc	250 mg/kg ✓	0.05 mg/kg	0.40	0.49

*"water" sample was pure diesel.*

*ok*



July 30, 1992  
Sample Log 4776

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





July 30, 1992  
Sample Log 4776

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	Xylenes
PFA-1	7.4	<.50	11	47
PFA-2	11	27	19	65
PFB-1	44	87	54	250
PFB-2	20	38	31	100
PFC-1	<5.0	<5.0	<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
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	<5.0	<5.0
PFG-2	<5.0	<5.0	<5.0	<5.0
D1	<5.0	<5.0	<5.0	12
(Reporting Limit	.005	.005	.005	.005)

  
Steven Podolsky  
Senior Chemist




July 30, 1992  
Sample Log 4776

B T E X Continued

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

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

  
Stewart Podolsky  
Senior Chemist

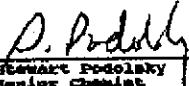


July 30, 1992  
Sample Log 4776

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-volatile)
PFA-1	Diesel: 12000 Motor Oil: <250
PFA-2	Diesel: 43000 Motor Oil: <1000
PFB-1	Diesel: 100000 Motor Oil: <2500
PFB-2	Diesel: 43000 Motor Oil: <1000
PFC-1	Diesel: 17000 Motor Oil: <250
PFC-2	Diesel: 33000 Motor Oil: <250
PFD-1	Diesel: 9000 Motor Oil: <250
PFD-2	Diesel: 4600 Motor Oil: <100
PFE-1	Diesel: 8200 Motor Oil: <250
PFE-2	Diesel: 81000 Motor Oil: <2500
(Reporting Limit	10)

  
Stewart Podolsky  
Senior Chemist



July 30, 1992  
Sample Log 4776

Total Petroleum Hydrocarbons Continued

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

Sample                      TPH (Semi-volatile)

PFF-1                      Diesel: 20000  
                                 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

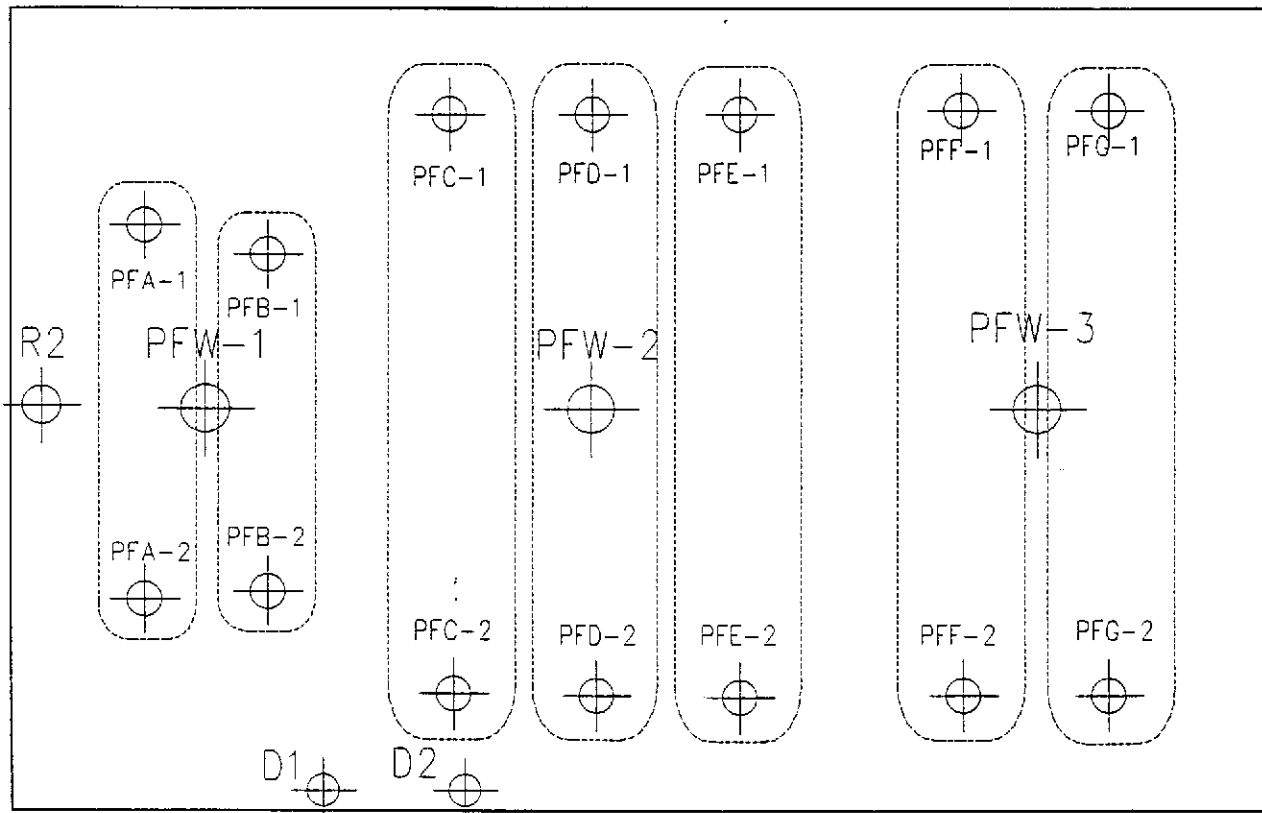
PW-1  
6/23/92?                      Diesel: 47000  
                                 Motor Oil: <500

(Reporting Limit                      10)

  
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 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.



1046 Olive Drive, Suite 3  
Davis, CA 95616

916-753-9500  
FAX #: 916-753-6091  
LAB#: 916-757-4650

# CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

*John Pile*

Phone #:

Company/Address:

*Ramon*

FAX #:

## ANALYSIS REQUEST

TAT

Project Number:

*476001*

P.O.#:

*6170*

Project Name:

*ANR Freight*

Project Location:

*2225 7<sup>th</sup> Street, Oakland*

Sampler Signature:

*Don Lynch*

Sample ID	Sampling		Container			Method Preserved				Matrix		BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 BIE,F)	Total Oil & Grease IR (6520 BIE,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 815/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7420/7421/299.2)	Cd, Cr, Pb, Zn, Ni	W.E.T. (✓)	TOTAL (✓)	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2WR)				
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER																									SOIL			
PFA-1	7/27/02	12:40	✓					✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
PFA-2		14:33																																					
PFB-1		13:00																																					
PFB-2		14:30																																					
PFC-1		13:10																																					
PFC-2		14:42																																					
PFD-1		13:15																																					
PFD-2		13:45																																					
PFE-1		13:20																																					
PFE-2	✓	13:53																																					

Relinquished by: <i>Don Lynch</i>	Date Time <i>7/27/02 20:00</i>	Received by: _____	Remarks: <i>chain #1 &amp; 3</i> <i>outside fudge</i> <span style="border: 1px solid black; padding: 2px;"><i>SL# 1525</i></span>
Relinquished by: _____	Date Time _____	Received by: _____	
Relinquished by: _____	Date Time <i>7/27/02 20:00</i>	Received by Laboratory: <i>Jamie Orkley</i>	



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Davis, CA 95616

916-753-9500  
FAX #: 916-753-6091  
LAB#: 916-757-4650

# CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Phone #:

*John Pike*

## ANALYSIS REQUEST

TAT

Company/Address:

FAX #:

*Rancon*

Project Number:

P.O.#:

Project Name:

*476001*

*6170*

*ANR Freight*

Project Location:

Sampler Signature:

*2225 # St. Oakland*

*[Signature]*

Sample ID	Sampling		Container		Method Preserved				Matrix		BTEX (602/6020)	BTEX/TPH as Gasoline (602/6020/6015)	TPH as Diesel/Oil (6015)	Total Oil & Grease (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/6010	EPA 602/6020	EPA 815/6150	EPA 608/6080 - Pesticides	EPA 608/6080-PCBs	EPA 624/6240	EPA 625/6270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	GAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7430/7421/239.2)	Cd, Cr, Pb, Zn, Ni	W.E.T. (✓)	TOTAL (✓)	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2Wk)
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO <sub>3</sub>	ICE	NONE																							
PFF-1	<i>7/27/92</i>	<i>14:12</i>	✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PFF-2		<i>13:58</i>									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PFG-1		<i>14:00</i>									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PFG-2		<i>14:09</i>									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
D1		<i>14:28</i>									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
D2		<i>14:20</i>									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
C1A-D											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week	
C2A-D											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week	
C3A-D											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week	
C4A-D											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week	
C5A-D											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week	
C6A-D											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week	

Relinquished by: <i>[Signature]</i>	Date Time <i>7/27/92 20:00</i>	Received by: _____	Remarks: <i>chain # 2 of 3</i> <i>outside fridge</i> <div style="border: 1px solid black; padding: 5px; display: inline-block;"><i>S.L. # 1525</i></div>
Relinquished by: _____	Date Time _____	Received by: _____	
Relinquished by: _____	Date Time <i>7/27/92 20:00</i>	Received by Laboratory: <i>Jamie Oakley</i>	
Bill To:			



1046 Olive Drive, Suite 3  
 Davis, CA 95616  
 916-753-9500  
 FAX #: 916-753-6091  
 LAB#: 916-757-4650

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

Project Manager: John Pite Phone #: \_\_\_\_\_

**ANALYSIS REQUEST**

**TAT**

Company/Address: Ramco FAX #: \_\_\_\_\_

Project Number: 476001 P.O.#: 6170 Project Name: ANR Freight

Project Location: 2275 7th St., Oakland Del Norte Sampler Signature: \_\_\_\_\_

Sample ID	Sampling		Container				Method Preserved				Matrix		BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 825/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	Cd, Cr, Pb, Zn, Ni	W.E.T. (✓)	TOTAL (✓)	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2wk)		
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																							
PFW-1	7/27/92	12:00	✓	✓	✓					✓																									
PFW-2		14:53	✓	✓	✓					✓																									
PFW-3		15:10	✓	✓	✓					✓																									
<del>RZ</del> PU-1	7/27/92	15:00																																	

Relinquished by: [Signature]

Date Time: 7/27/92 20:00

Received by: \_\_\_\_\_

Remarks: chain #3 of 3 S.L. #1525  
outside fridge

Relinquished by: \_\_\_\_\_

Date Time: \_\_\_\_\_

Received by: \_\_\_\_\_

Change RZ to PU-1 per Joff K. 7/25/92

Relinquished by: \_\_\_\_\_

Date Time: 7/27/92 20:00

Received by Laboratory: Jamie Daklen

Bill To: \_\_\_\_\_





August 4, 1992  
Sample Log 4777

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

RECEIVED AUG 18 1992

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 Log 4777  
4777-1

Sample: C1A,C1B,C1C,C1D

From : Project # 476001 (ANR Freight)

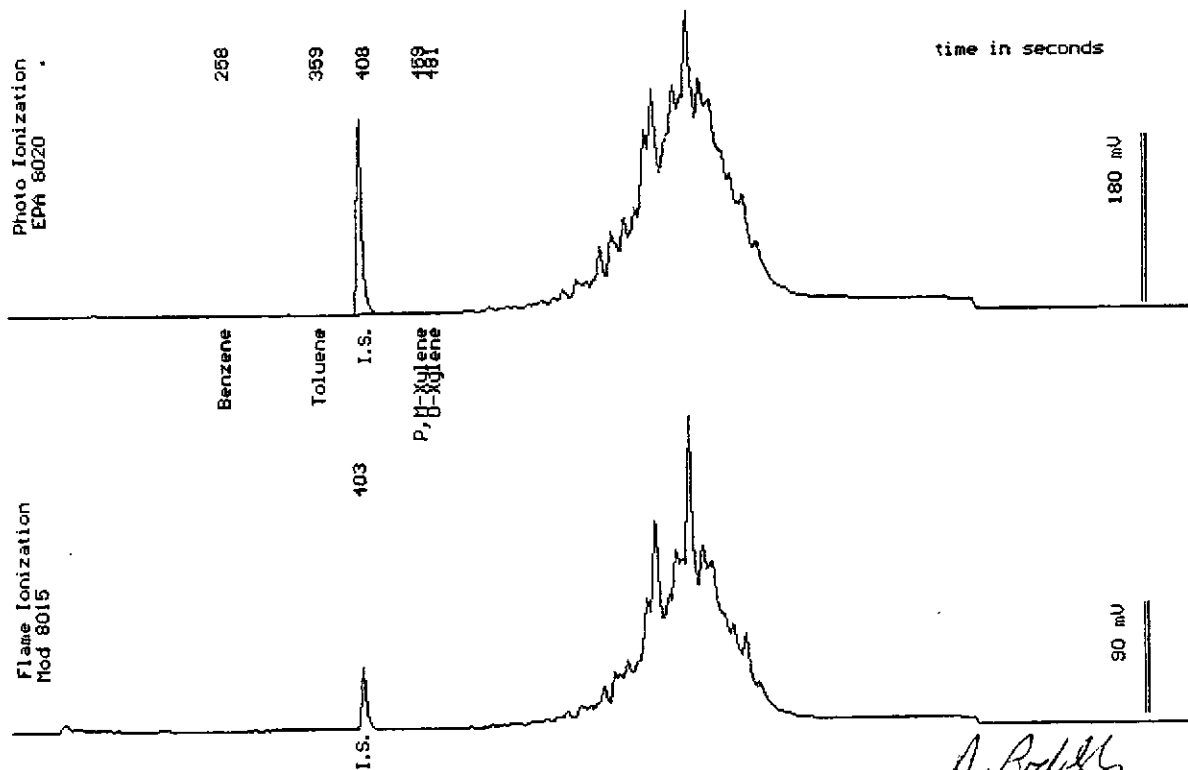
Sampled : 07/27/92

Dilution : 1:1000

QC Batch : 6056i

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0



Date Analyzed: 07-31-92  
Column : 0.53mm ID X 30m DB5 (J&M Scientific)

*Joel Kiff*  
Joel Kiff  
Senior Chemist



Sample Log 4777  
4777-1

Sample: C1A,C1B,C1C,C1D

From : Project # 476001 (ANR Freight)

Sampled : 07/27/92

Extracted: 07/30/92

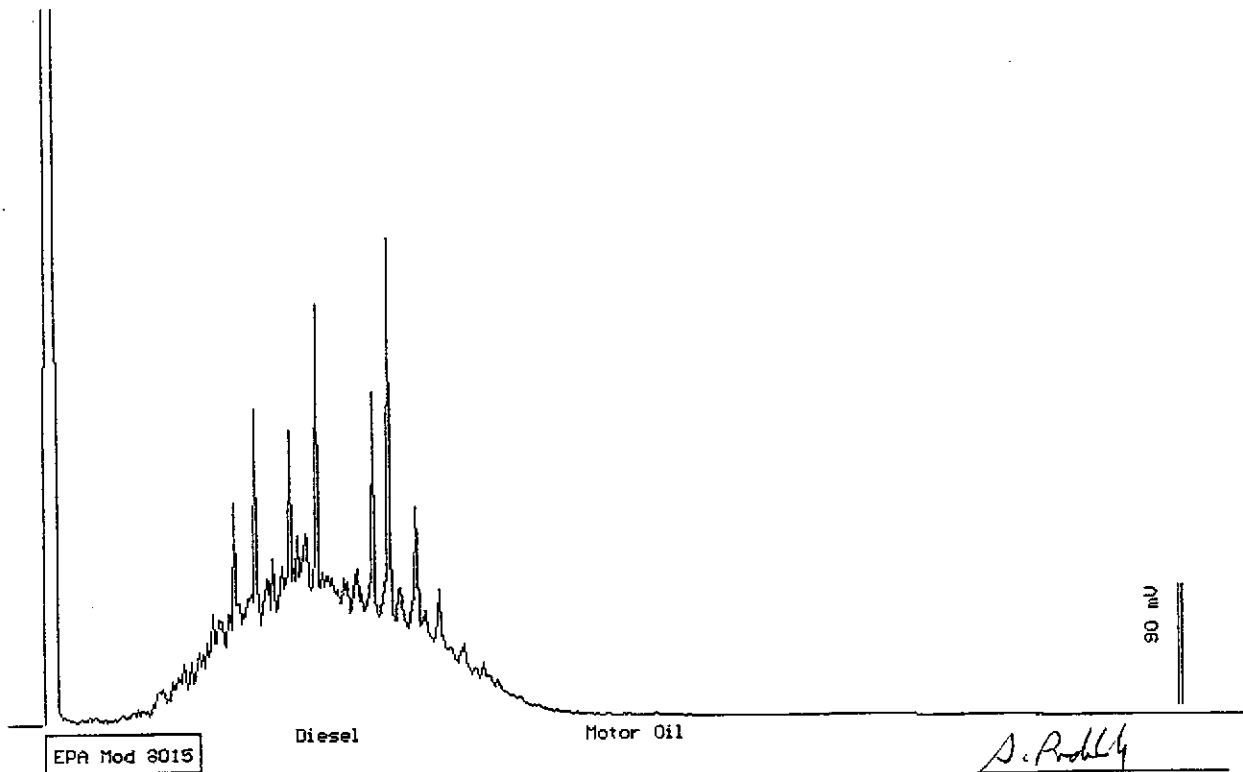
Dilution : 1:5

QC Batch : 8040d

Matrix : Soil

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>
TPH as Diesel	(50)	4000
TPH as Motor Oil	(100)	<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&H Scientific)

*S. Podolsky*  
Stewart Podolsky  
Senior Chemist



Sample Log 4777

4777-2

Sample: C2A,C2B,C2C,C2D

From : Project # 476001 (ANR Freight)

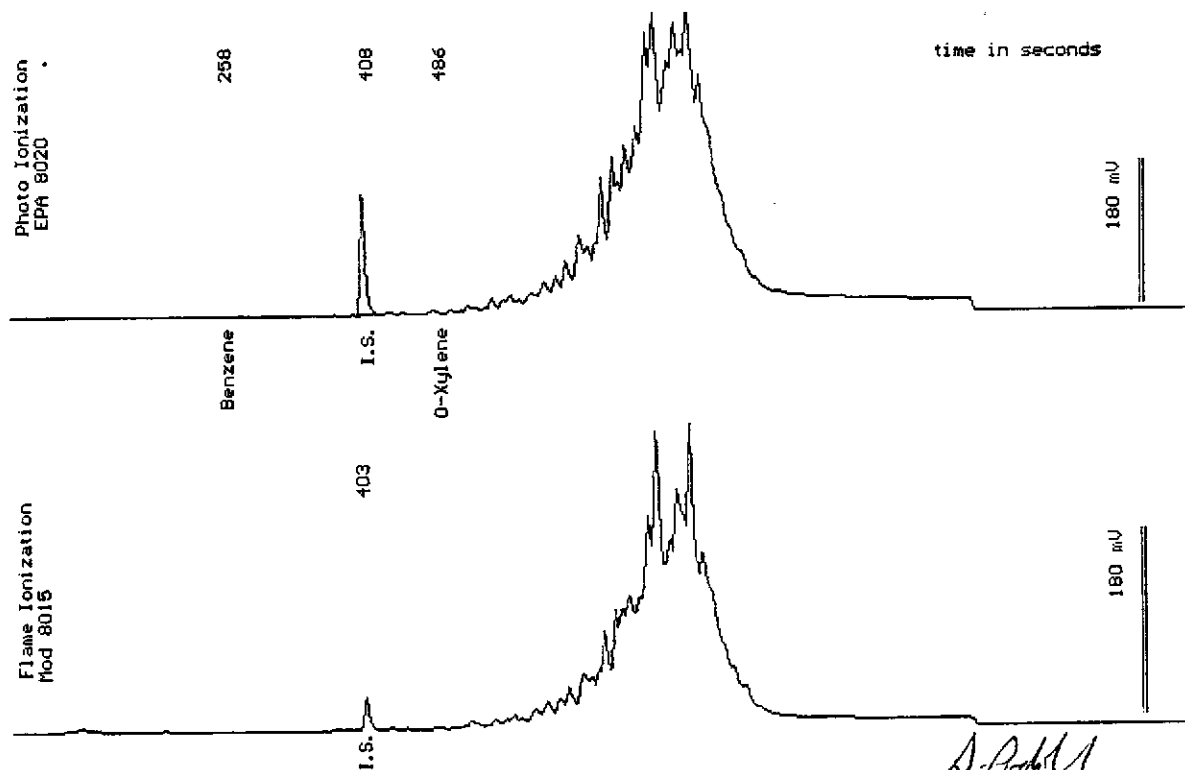
Sampled : 07/27/92

Dilution : 1:1000

QC Batch : 6056i

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0



Date Analyzed: 07-31-92  
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

*J. Kiff*  
Joel Kiff  
Senior Chemist



Sample Log 4777

4777-2

Sample: C2A,C2B,C2C,C2D

From : Project # 476001 (ANR Freight)

Sampled : 07/27/92

Extracted: 07/31/92

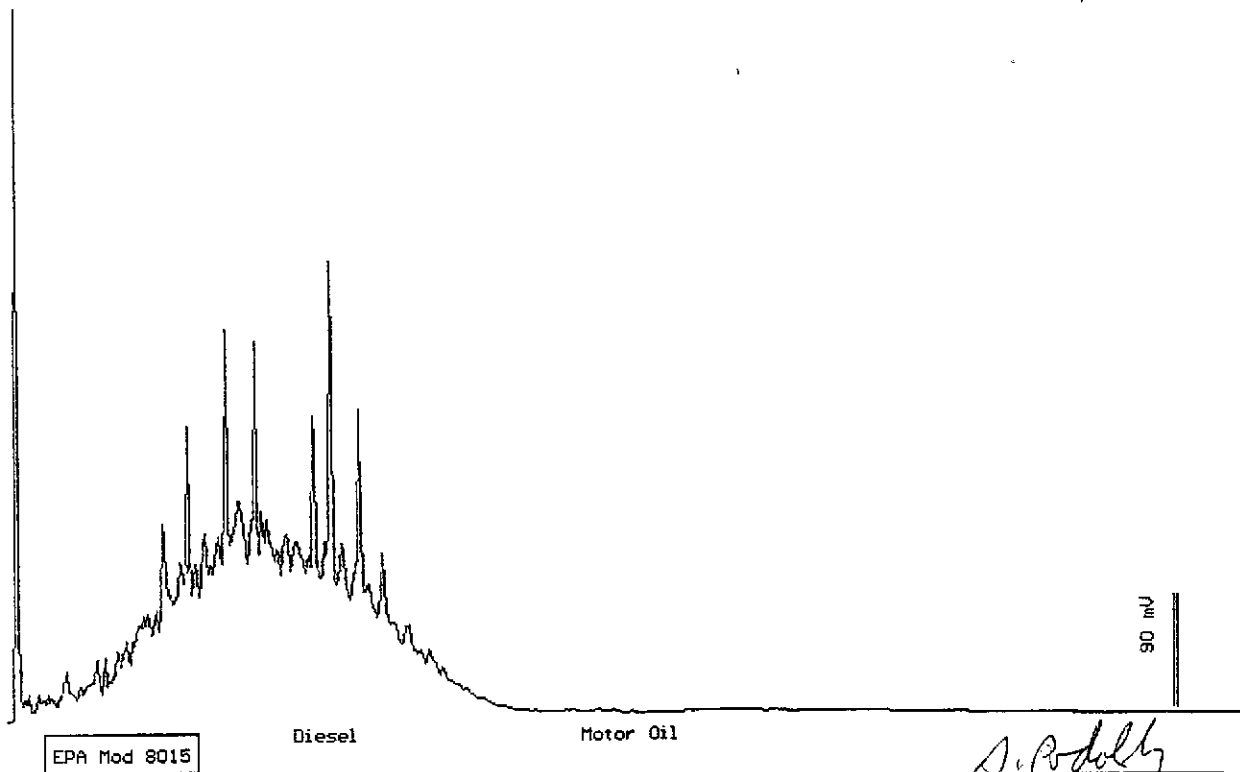
Dilution : 1:5

QC Batch : 8041A

Matrix : Soil

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

*Stewart Podolsky*  
Stewart Podolsky  
Senior Chemist



Sample Log 4777

4777-3

Sample: C3A,C3B,C3C,C3D

From : Project # 476001 (ANR Freight)

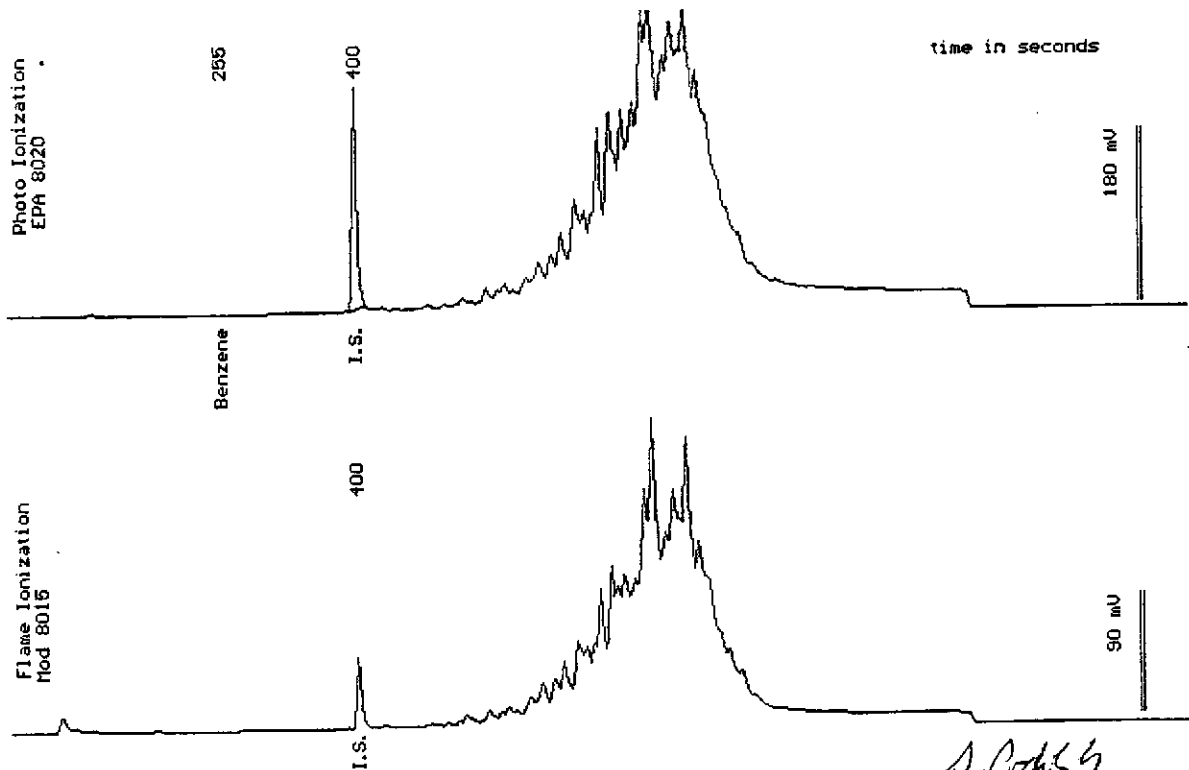
Sampled : 07/27/92

Dilution : 1:1000

QC Batch : 6056i

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0



Date Analyzed: 07-30-92  
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

*J. Kiff*  
Joel Kiff  
Senior Chemist



Sample Log 4777

4777-3

Sample: C3A,C3B,C3C,C3D

From : Project # 476001 (ANR Freight)

Sampled : 07/27/92

Extracted: 07/31/92

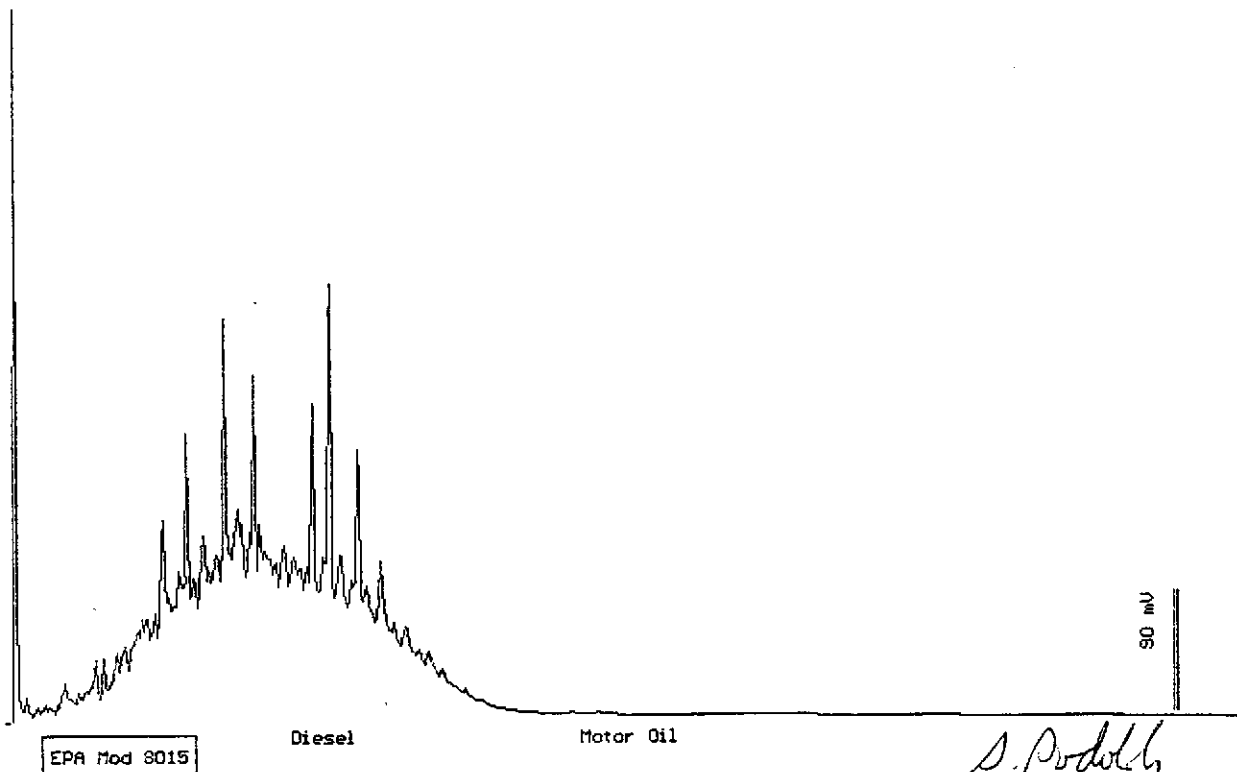
Dilution : 1:5

Matrix : Soil

QC Batch : 8041A

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

\* Increased reporting limit due to diesel interference.



Date: 07-31-92 Time: 19:50:20  
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

*S. Podolsky*  
Stewart Podolsky  
Senior Chemist



Sample Log 4777  
4777-4

Sample: C4A,C4B,C4C,C4D

From : Project # 476001 (ANR Freight)

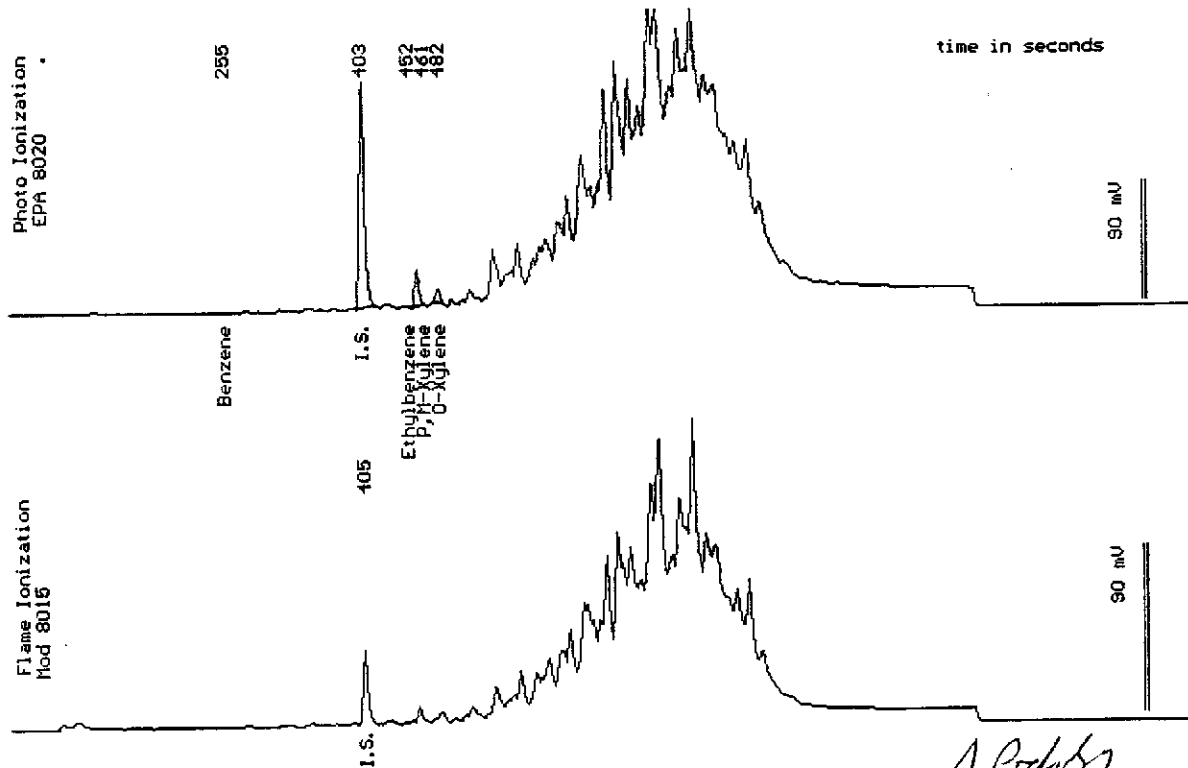
Sampled : 07/27/92

Dilution : 1:1000

QC Batch : 6056i

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	34



Date Analyzed: 07-30-92  
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

Joel Kiff  
Senior Chemist





Sample Log 4777

4777-4

Sample: C4A,C4B,C4C,C4D

From : Project # 476001 (ANR Freight)

Sampled : 07/27/92

Extracted: 07/31/92

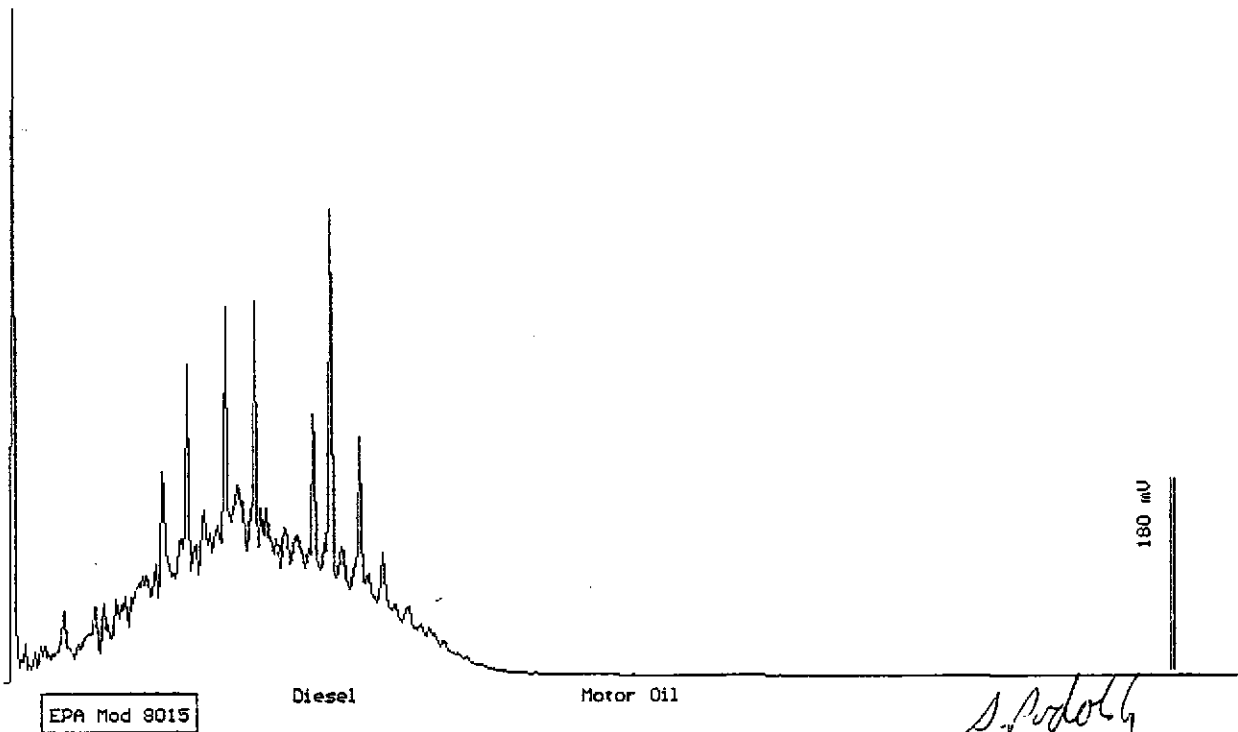
Dilution : 1:5

QC Batch : 8041A

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
TPH as Diesel	(50)	5600
TPH as Motor Oil	(250)	<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)

*S. Podolsky*  
Stewart Podolsky  
Senior Chemist



Sample Log 4777  
4777-5

Sample: C5A, C5B, C5C, C5D

From : Project # 476001 (ANR Freight)

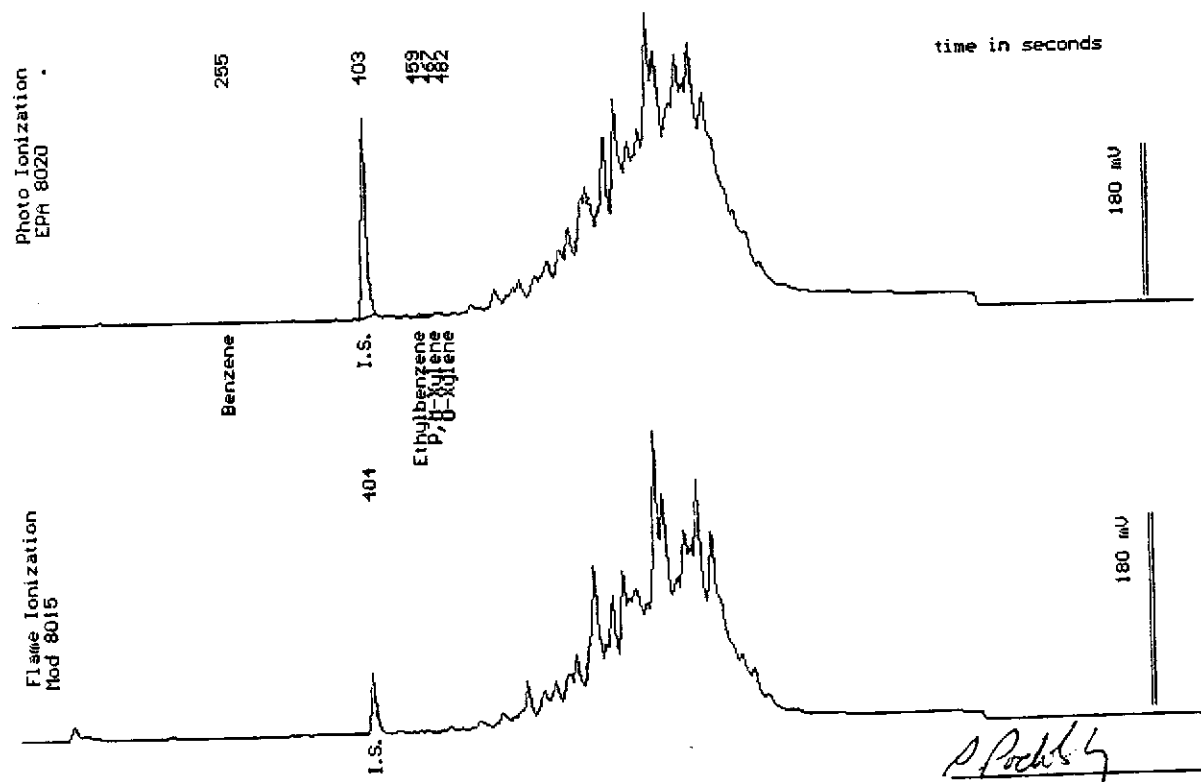
Sampled : 07/27/92

Dilution : 1:1000

Matrix : Soil

QC Batch : 6056i

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0



Date Analyzed: 07-30-92  
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

*Joel Kiff*  
Joel Kiff  
Senior Chemist



Sample Log 4777  
4777-5

Sample: C5A,C5B,C5C,C5D

From : Project # 476001 (ANR Freight)

Sampled : 07/27/92

Extracted: 07/31/92

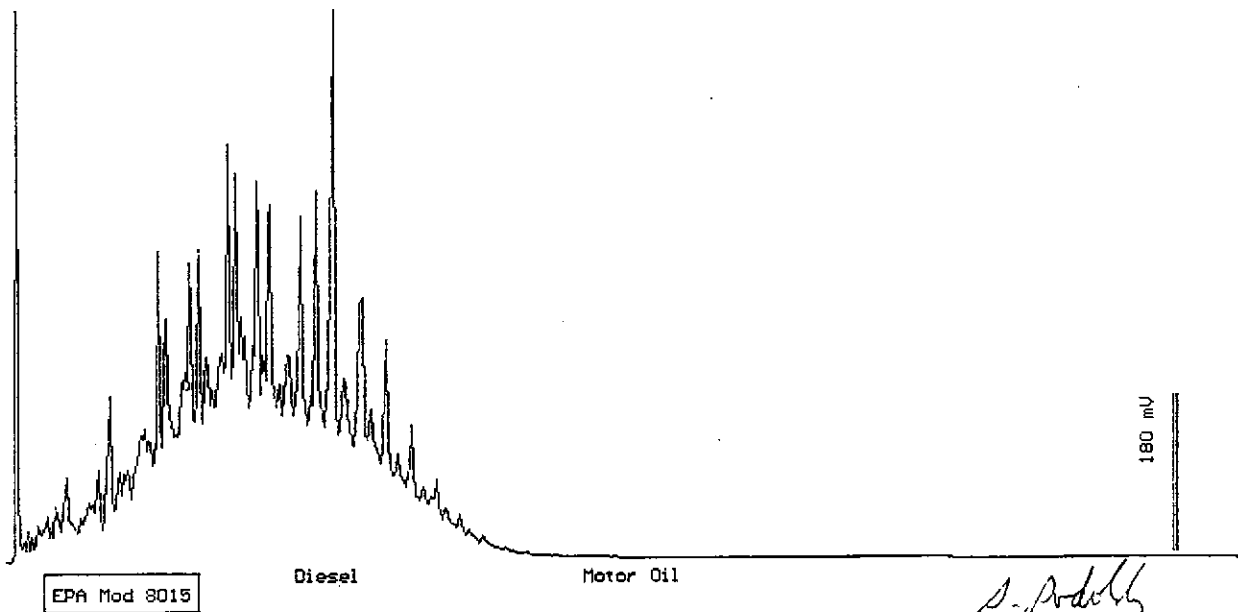
Dilution : 1:5

Matrix : Soil

QC Batch : 8041A

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

\* Increased reporting limit due to diesel interference.



Date: 07-31-92 Time: 20:59:14  
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

*S. Podolsky*  
Stewart Podolsky  
Senior Chemist



Sample Log 4777

4777-6

Sample: C6A,C6B,C6C,C6D

From : Project # 476001 (ANR Freight)

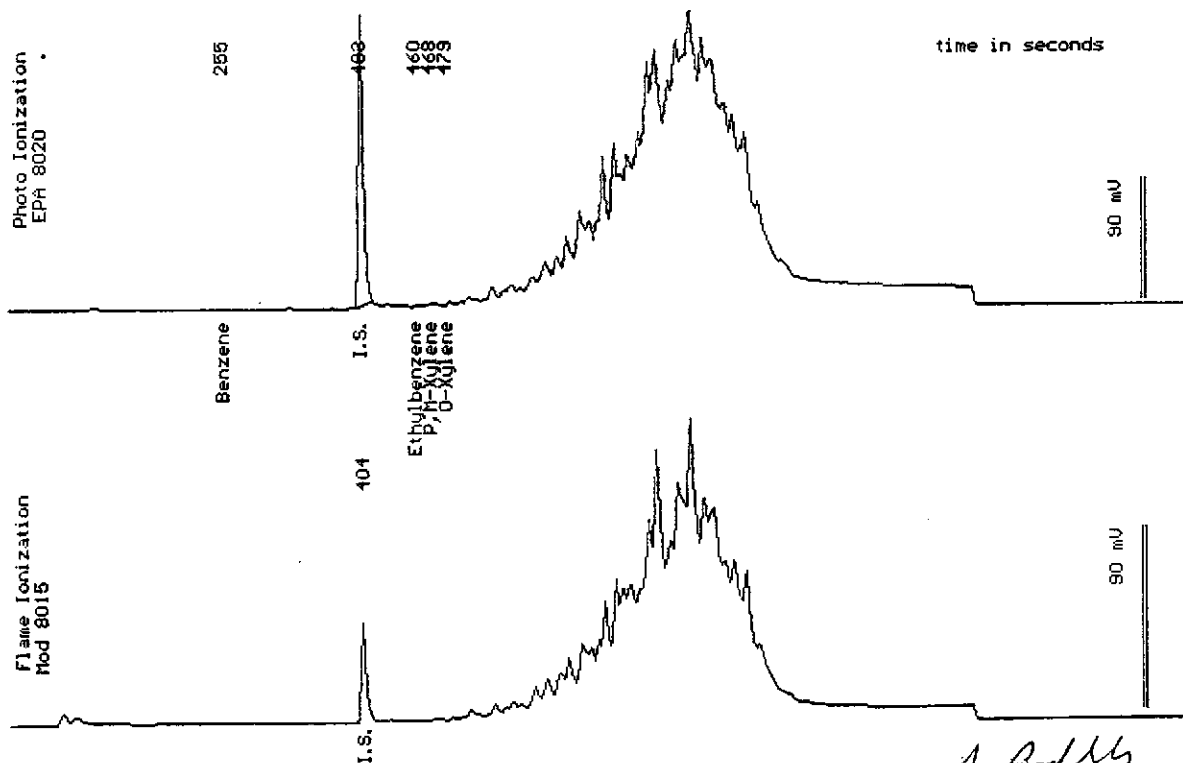
Sampled : 07/27/92

Dilution : 1:1000

QC Batch : 6056i

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(5.0)	<5.0
Toluene	(5.0)	<5.0
Ethylbenzene	(5.0)	<5.0
Total Xylenes	(5.0)	<5.0



Date Analyzed: 07-30-92  
Column : 0.53mm ID X 30m DB5 (J&W Scientific)

*Joel Kiff*  
Joel Kiff  
Senior Chemist



Sample Log 4777

4777-6

Sample: C6A,C6B,C6C,C6D

From : Project # 476001 (ANR Freight)

Sampled : 07/27/92

Extracted: 07/31/92

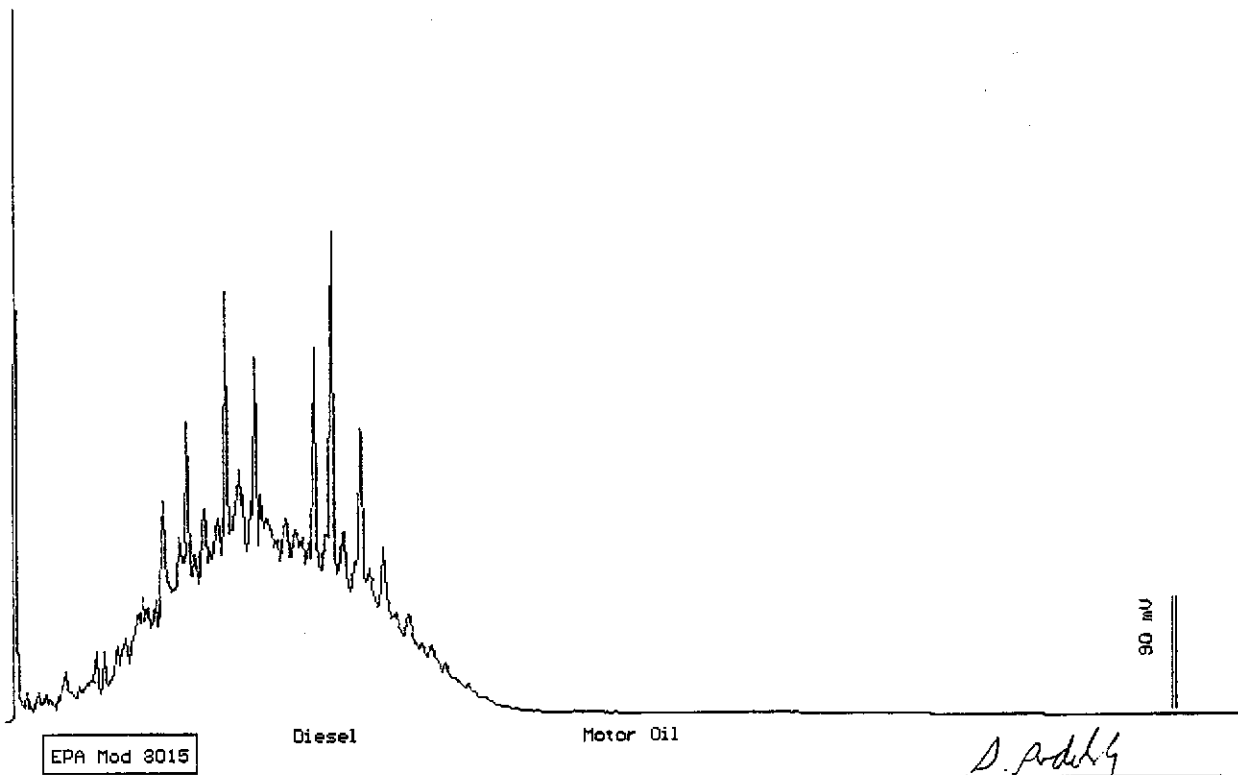
Dilution : 1:5

Matrix : Soil

QC Batch : 8041A

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

\* Increased reporting limit due to diesel interference.



Date: 07-31-92 Time: 21:33:51  
Column : 0.53mm ID X 15m DB1 (J&W Scientific)

*D. Podolsky*  
Stewart Podolsky  
Senior Chemist

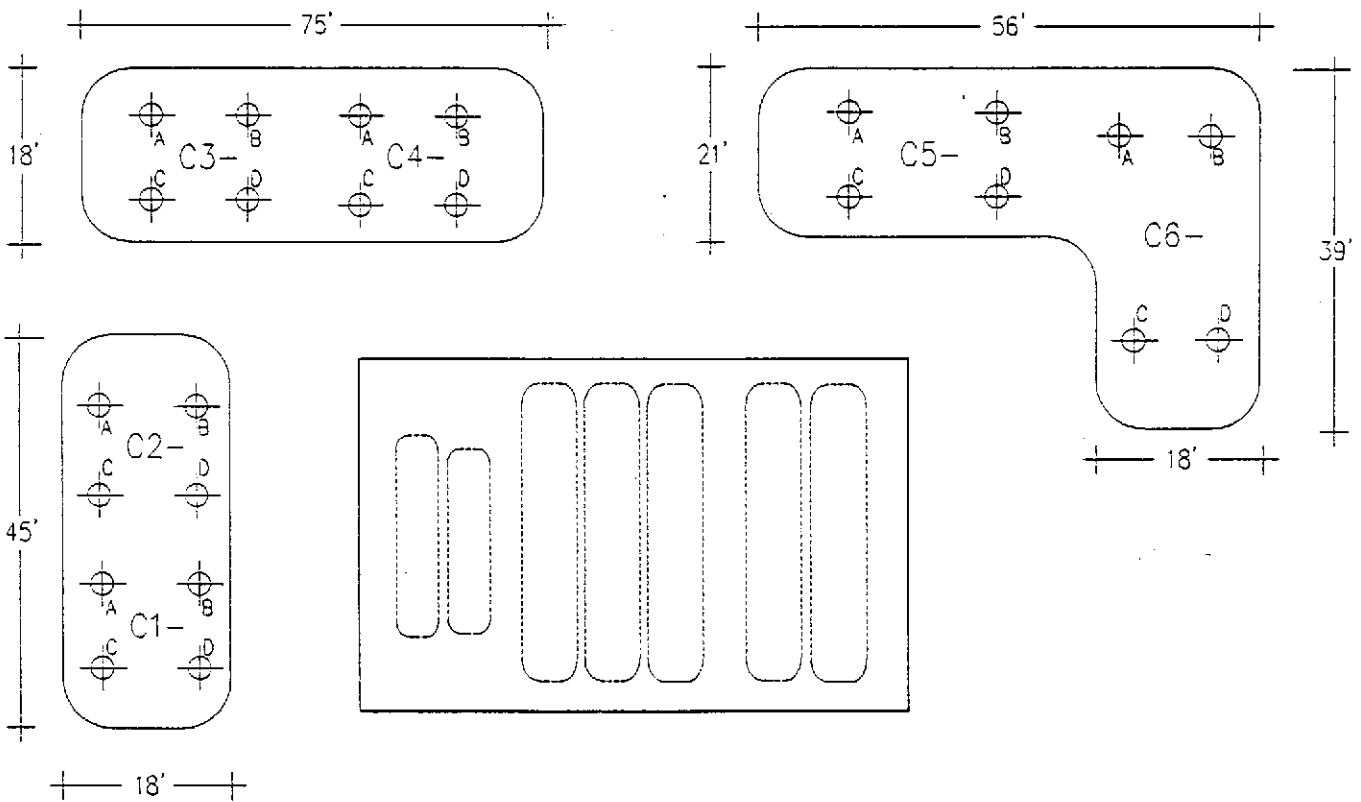
NOTES:



▷ 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.



Western Environmental  
Science & Technology

1046 Olive Drive, Suite 3  
Davis, CA 95616

916-753-9500  
FAX #: 916-753-6091  
LAB#: 916-757-4650

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

Project Manager:

Phone #:

John Pile

#### ANALYSIS REQUEST

TAT

Company/Address:

FAX #:

Ramcan

Project Number:

P.O.#:

Project Name:

476001

6170

ANR Freight

Project Location:

Sampler Signature:

2225 7th St., Oakland

*[Signature]*

Sample ID	Sampling		Container				Method Preserved				Matrix		BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel/Oil (8015)	Total Oil & Grease (5520 B/E,F)	Total Oil & Grease IR (5520 B/E,F,C)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	W.E.T. (✓)	TOTAL (✓)	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2Wk)
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																				
PFF-1	7/27/92	14:12	✓					✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PFF-2		13:58										✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PFG-1		14:00										✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PFG-2		14:09										✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D1		14:28										✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D2		14:20										✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
C1A-D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week
C2A-D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week
C3A-D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week
C4A-D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week
C5A-D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week
C6A-D												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 week

Relinquished by:

Date Time

Received by:

Remarks:

*[Signature]*

7/27/92 20:00

*[Signature]*

chain # 2 of 3  
outside fridge

S.L. # 1525

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

Bill To:

7/27/92 20:00

*[Signature]*



August 27, 1992  
Sample Log 4896

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

*waste oil*

Subject: Analytical Results for 2 Soil Samples  
Identified as: Project # 476001 (ANR Freight)  
Received: 08/19/92  
Purchase 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 Kiff  
Senior Chemist





August 27, 1992  
Sample Log 4896

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



Sample Log 4896  
4896-1

Sample: PFA-1

From : Project # 476001 (ANR Freight)

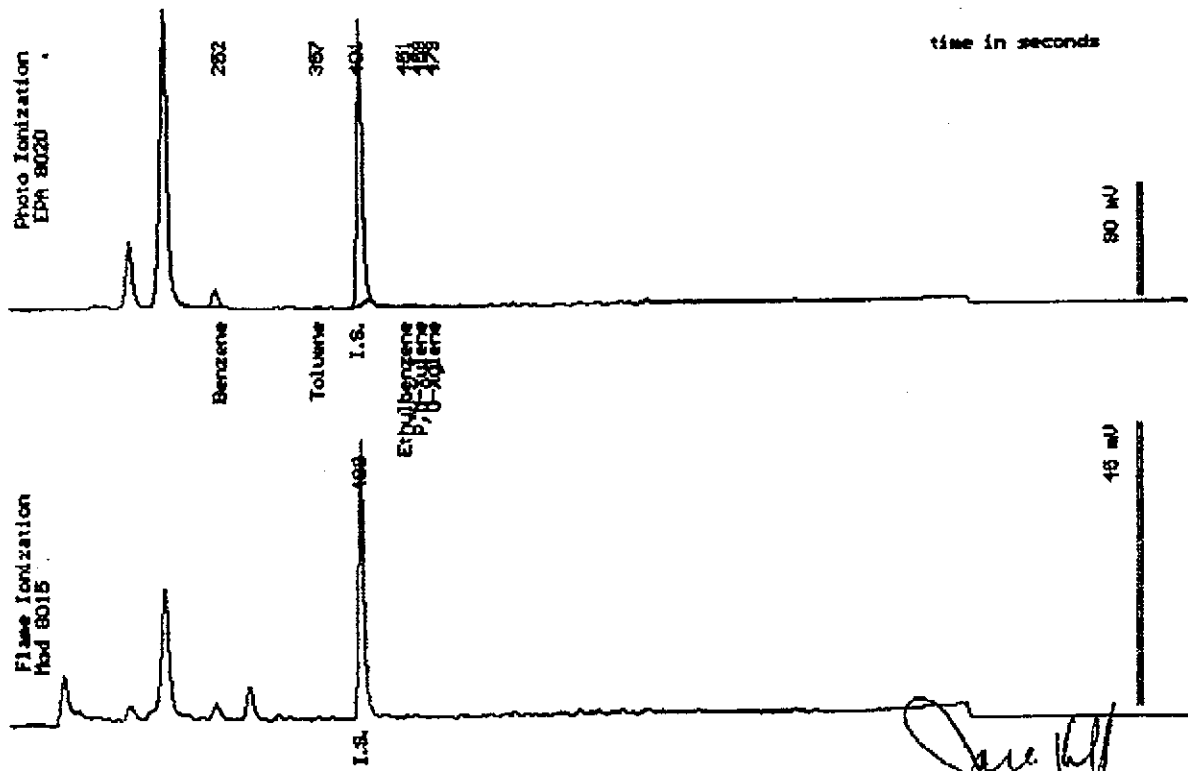
Sampled : 08/18/92

Dilution : 1:1

QC Batch : 6061f

Matrix : Soil

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
Benzene	(.0050)	.011
Toluene	(.0050)	<.0050
Ethylbenzene	(.0050)	<.0050
Total Xylenes	(.0050)	<.0050
TPH as Gasoline	(.50)	<.50



Date Analyzed: 08-23-92  
Column : 0.83mm ID X 30m DB5 (J&W Scientific)

Joel Kliff  
Senior Chemist

Sample: PFA-1

From : Project # 476001 (ANR Freight)

Sampled : 08/18/92

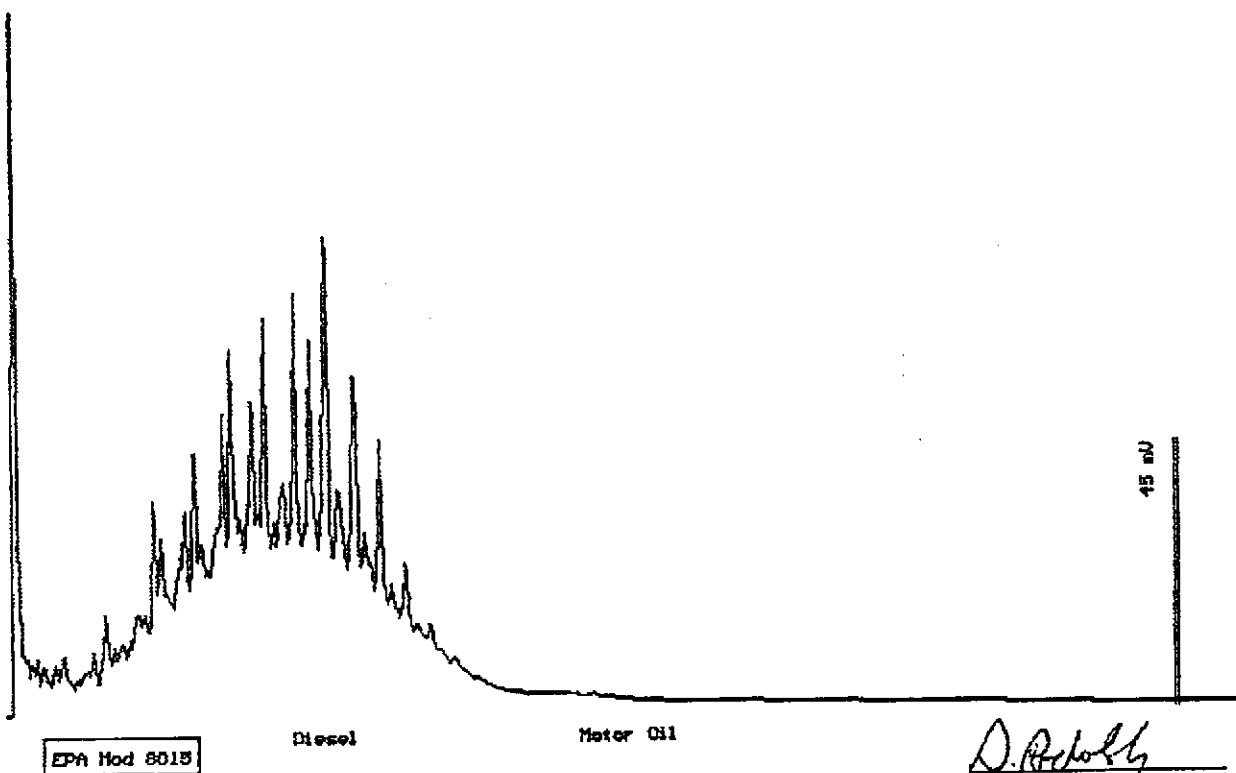
Extracted: 08/20/92

Dilution : 1:1

Matrix : Soil

QC Batch : 8045c

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$
TPH as Diesel	(10)	270
TPH as Motor Oil	(10)	14



Date: 08-20-92 Time: 14:01:19  
Column : 0.83mm ID X 15m DB1 (JSM Scientific)

*D. Podolsky*  
Stewart Podolsky  
Senior Chemist



Sample Log 4896

4896-2

Sample: PFB-1

From : Project # 476001 (ANR Freight)

Sampled : 08/18/92

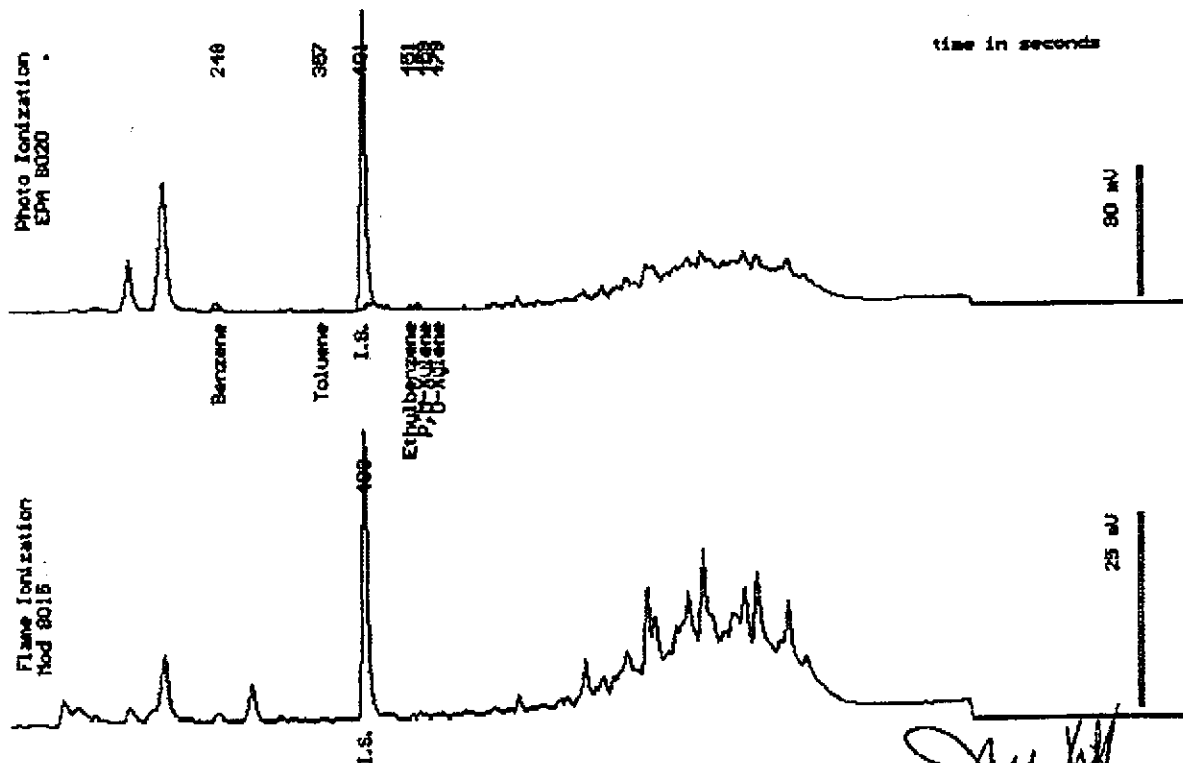
Dilution : 1:1

QC Batch : 6061f

Matrix : Soil

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

\* Product is not typical gasoline.



Date Analyzed: 08-23-92  
Column : 0.53mm ID X 30m DB5 (J&H Scientific)

Joel Kiff  
Senior Chemist



Sample Log 4896

4896-2

Sample: PFB-1

From : Project # 476001 (ANR Freight)

Sampled : 08/18/92

Extracted: 08/20/92

Dilution : 1:1

QC Batch : 8045c

Matrix : Soil

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



EPA Mod 8015

Diesel

Date: 08-20-92 Time: 14:38:31  
Column : 0.53mm ID X 15m DB1 (J&M Scientific)

*S. Podolsky*  
Stewart Podolsky  
Senior Chemist




August 27, 1992  
Sample Log 4896

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
PFA-1	<50
PFB-1	<50
(Reporting Limit	50)

  
Joe Kiff  
Senior Chemist



August 27, 1992  
Sample Log 4896

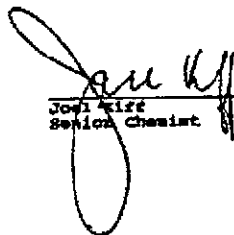
Sample: PFA-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Matrix : Soil  
Extracted : 08/21/92

Received : 08/19/92  
Analyzed : 08/25/92

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MDL) <small>ug/kg</small>	Measured Value <small>ug/kg</small>	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	

  
Josh Kirtz  
Senior Chemist



August 27, 1992  
Sample Log 4896

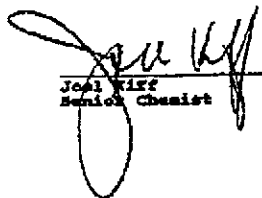
Sample: PFA-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Matrix : Soil  
Extracted : 08/21/92

Received : 08/19/92  
Analyzed : 08/25/92

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MDL) <small>ug/kg</small>	Measured Value <small>ug/kg</small>	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	

  
Joel Kirk  
Senior Chemist





August 27, 1992  
Sample Log 4896  
4896-1

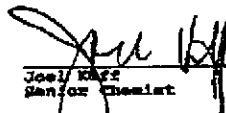
Sample: PFA-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Matrix : Soil  
Extracted : 08/24/92

Received : 08/19/92  
Analyzed : 08/25/92

8080 - Organochlorine Pesticides and PCBs

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>	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 Kuff  
Senior Chemist



August 27, 1992  
Sample Log 4896  
4896-1

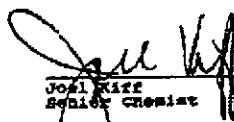
Sample: PFA-1

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

Received : 08/19/92  
Analyzed : 08/23/92

8010 - Halogenated Volatils Organics

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>	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	
<u>t-1,2-Dichloroethene</u>	(.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	
<u>1,2-Dichloropropane</u>	(.005)	.048	
Trichloroethene	(.001)	<.001	
Bromodichloromethane	(.005)	<.005	
<u>c-1,2-Dichloroethene</u>	(.005)	.36	
c-1,3-Dichloropropene	(.005)	<.005	
t-1,3-Dichloropropene	(.005)	<.005	
1,1,2-Trichloroethane	(.005)	<.005	
<u>Tetrachloroethene</u>	(.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	

  
Joel Riff  
Senior Chemist



August 27, 1992  
Sample Log 4896

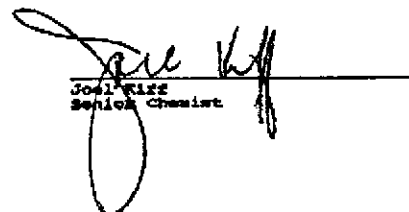
Sample: PFB-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Matrix : Soil  
Extracted : 08/21/92

Received : 08/19/92  
Analyzed : 08/25/92

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured	
		Value $\mu\text{g}/\text{kg}$	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-chloroethoxy) methane	(0.10)	<0.10	
bis (2-ethylhexyl) phthalate	(0.20)	<0.20	
bis (2-chloroisopropyl) ether	(0.10)	<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	

  
Joel Rizz  
Senior Chemist



August 27, 1992  
Sample Log 4896


Sample: PFB-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Matrix : Soil  
Extracted : 08/21/92

Received : 08/19/92  
Analyzed : 08/25/92

8270 - Semi Volatile Organic Priority Pollutants

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>	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-Methyl-4,6-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	

  
Joel R. Lee  
Senior Scientist



August 27, 1992  
Sample Log 4896  
4896-2

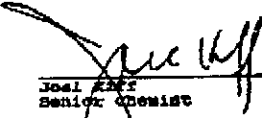
Sample: PFB-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Matrix : Soil  
Extracted : 08/24/92

Received : 08/19/92  
Analyzed : 08/25/92

8080 - Organochlorine Pesticides and PCBs

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>	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	

  
Joel King  
Senior Chemist



August 27, 1992

Sample Log 4896

4896-2

Sample: PFB-1

From : Project # 476001 (ANR Freight)

Sampled : 08/18/92

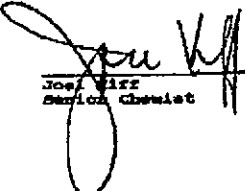
Matrix : Soil

Received : 08/19/92

Analyzed : 08/23/92

8010 - Halogenated Volatile Organics

Parameter	(MDL) $\mu\text{g}/\text{kg}$	Measured Value $\mu\text{g}/\text{kg}$	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-Trichloroethane	(.005)	<.005	
Tetrachloroethene	(.001)	<.001	
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	

  
Joe Varr  
Senior Chemist

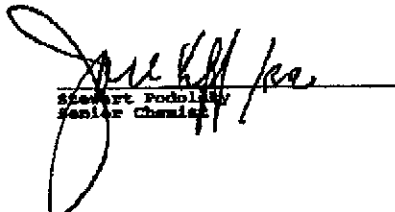


September 1, 1992  
Sample Log 4896

Sample: PFA-1

From : Project # 476001 (ANR Freight)  
Sampled : 08/18/92  
Received : 08/19/92  
Matrix : Soil

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/L</small>
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
Zn in WET Extract	(0.30)	1.5 mg/L
Ni in WET Extract	(0.05)	0.40 mg/L

  
Stuart Podolsky  
Senior Chemist



September 1, 1992  
Sample Log 4896

Sample: PFB-1

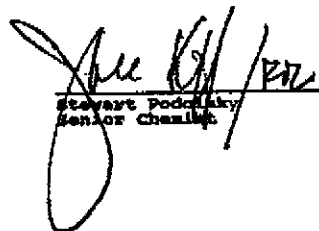
From : Project # 476001 (ANR Freight)

Sampled : 08/18/92

Received : 08/19/92

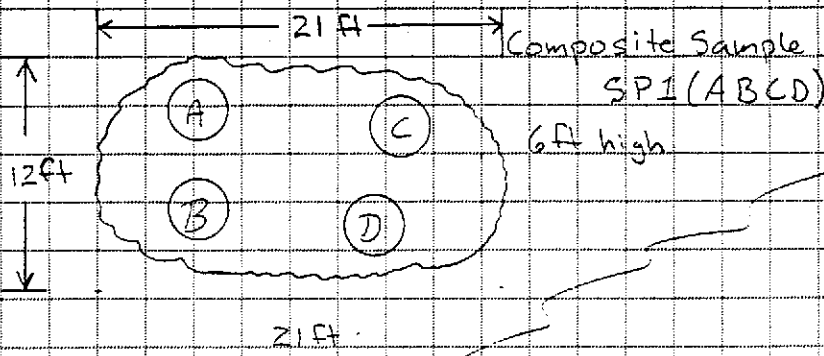
Matrix : Soil

Parameter	(MDL) <small>mg/kg</small>	Measured Value <small>mg/kg</small>
Cd in WET Extract	(0.01)	0.025 mg/L
Cr in WET Extract	(0.05)	0.29 mg/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

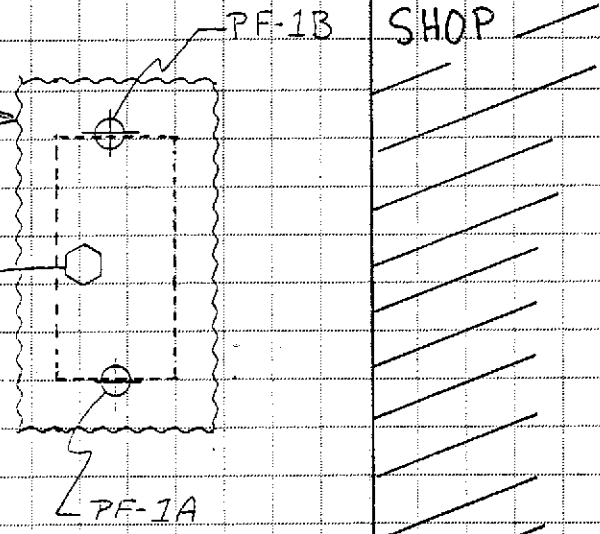
  
Stewart Podolsky  
Senior Chemist



STOCKPILE LOCATED North East of Main Excavation



2,000 gallon  
WASTE OIL TANK  
EXCAVATION  
(10 ft by 18 ft 11 ft deep)



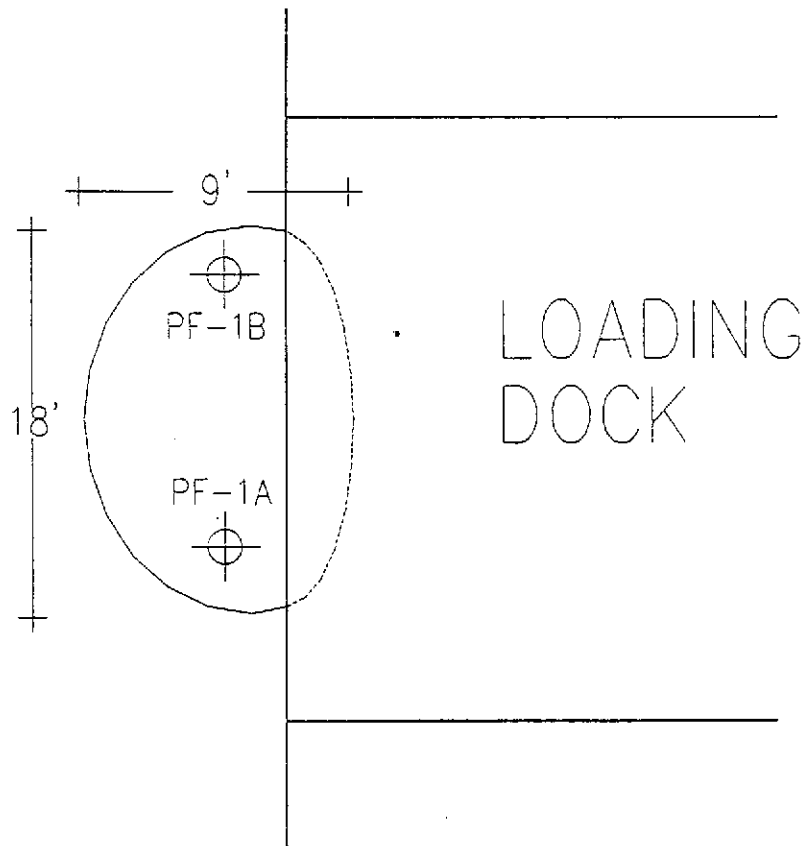
Samples	Comments
PF-1A	analyzed
PF-1B	"
SPI(ABCD)	on hold
PFW-1	Not analyzed
PFW-2	Pure Diesel

Water Samples  
PFW-1  
PFW-2

<b>SITE PLAN- SAMPLE LOCATIONS</b> Waste Oil Tank Removal Sampled 8-18-92	
ANR FREIGHT 2225 7th Street Oakland, CA. 94607	
RAMCON Job #476001	Date 9-2-92
Scale: 1 inch = 10 ft	PLATE 5

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'.



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

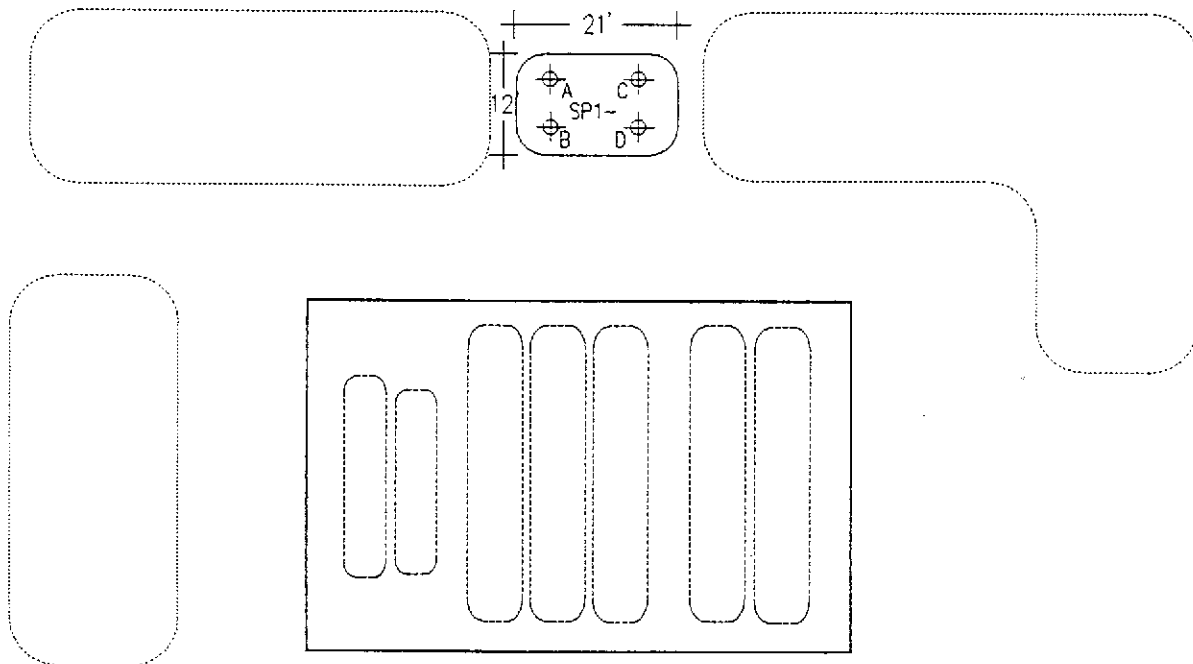
Phone: (916) 753-9500

Drawn by: Dan Lips.



NOTES:

- ▷ 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

SCALE N.T.S.



Western Environmental  
Science & Technology

45133 County Road 32B, Davis, CA 95616

Phone: (916) 753-9500

Drawn by: Dan Lips.



Western Environmental  
Science & Technology

1046 Olive Drive, Suite 3  
Davis, CA 95616

916-753-9500  
FAX #: 916-753-6091  
LAB#: 916-757-4650

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

Project Manager:

John Pile

Phone #:

Company/Address: Ramcon

FAX #:

Project Number:

476001

P.O.#:

6302

Project Name:

ANR Freight

Project Location:

2225 7th St., Oakdale, Ca.

Sampler Signature:

*[Signature]*

### ANALYSIS REQUEST

TAT

Sample ID	Sampling		Container			Method Preserved				Matrix		BTEX (602/6030)	BTEX/TPH as Gasoline (602/6030/6015)	TPH as Diesel/Oil (6015)	Total Oil & Grease (5520 BIE,F)	Total Oil & Grease IR (5530 BIE,F,C)	96 - Hour Fish Bioassay	EPA 601/6010	EPA 602/6020	EPA 616/6160	EPA 606/6060 - Pesticides	EPA 608/6080-PCBs	EPA 624/6240	EPA 625/6270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni	W.E.T. (✓)	TOTAL (✓)		
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER																						SOIL	
SPLA-D	8/18/92	16:00	✓					✓			✓																							
PFA-1		15:30	✓					✓			✓		✓	✓	✓		✓																	
PFB-1		15:40	✓					✓			✓		✓	✓	✓		✓																	
PFW-1(5)		15:10	3	1	1						✓																							
PFW-2(7)	8/19/92	13:00	3	4				✓			✓																							

RUSH SERVICE (12 hr) or (24 hr)  
 EXPEDITED SERVICE (48 hr) or (1 wk)  
 STANDARD SERVICE (2wk)

Relinquished by: *[Signature]*

Date Time: 8/18/92 17:55

Received by: \_\_\_\_\_

Remarks: wait till AM. (8-19-92) call from John Pile to determine tests...

Relinquished by: \_\_\_\_\_

Date Time: \_\_\_\_\_

Received by: \_\_\_\_\_

L+T+ 3.8

Relinquished by: \_\_\_\_\_

Date Time: 8/18/92 17:57

Received by Laboratory: *[Signature]*

Bill To: \_\_\_\_\_

**APPENDIX 2:      ANALYTICAL DATA**

WEST            Main Excavation- Sample Log #4776 & #4777

WEST            Waste Oil Pit- Sample Log #4896



July 30, 1992  
Sample Log 4776

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAC000811480192253</b>		Manifest Document No. <b>2253</b>		2. Page 1 of 1		Information in the shaded area is not required by Federal law.					
3. Generator's Name and Mailing Address <b>DONGARY INVESTMENTS L.T.D. P.O. BOX 7240 DENVER, COLORADO 94606</b>						A. State Manifest Document Number <b>90392253</b>							
4. Generator's Phone <b>(303) 320-3960</b>						B. State Generator's ID							
5. Transporter 1 Company Name <b>TRIDENT TRUCK LINE, INC.</b>			6. US EPA ID Number <b>C A D 9 8 2 4 8 4 3 7 0</b>			C. State Transporter's ID <b>3099877</b>		D. Transporter's Phone <b>(907) 783-2881</b>					
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 <b>ERICKSON INCORPORATED 255 PARR BLVD. RICHMOND, CA. 94801</b>						10. US EPA ID Number <b>C A D 0 0 9 4 6 6 3 9 2</b>							
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. <b>WASTE EMPTY TANK NON-RCRA HAZARDOUS WASTE SOLID</b>						<b>001 C M</b>		<b>20000</b>		<b>P</b>		State EPA/Other	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above <b>QUANTITY ONE EMPTY STORAGE TANK(S) 72459244</b> <b>HAVE BEEN INERTED WITH 15 LBS. DRY ICE PER 1000 GAL. CAPACITY.</b>						K. Handling Codes for Wastes Listed Above <b>01</b>							
15. Special Handling Instructions and Additional Information <b>KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS AND GLASSES WHEN WORKING AROUND UNDERGROUND STORAGE TANKS. 24 HR. CONTACT NAME: PAMCON AND PHONE (916) 372-7535</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.													
Printed/Typed Name <b>Kelle Stephens</b>				Signature <i>[Signature]</i>				Month Day Year <b>as agent 07 27 92</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Johanie Myers</b>				Signature <i>[Signature]</i>				Month Day Year <b>07 27 92</b>					
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>[Signature]</i>													

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

90392253

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line



92081095  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAC00081148081095</b>	Manifest Document No. <b>1095</b>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>DONGARY INVESTMENTS LTD. P.O. BOX 7240 DENVER, COLORADO 94606</b>		4. Generator's Phone <b>303-320-3960</b>		A. State Manifest Document Number <b>92081095</b>	B. State Generator's ID
5. Transporter 1 Company Name <b>ERICKSON, INC.</b>		6. US EPA ID Number <b>CAD009466392</b>		C. State Transporter's ID <b>309177</b>	D. Transporter's Phone <b>(510) 235-1393</b>
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 <b>Erickson, Inc. 255 Parr Blvd. Richmond, Ca: 94801</b>		10. US EPA ID Number <b>CAD009466392</b>		G. State Facility's ID <b>CAD009466392</b>	H. Facility's Phone <b>(916) 235-1393</b>
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Val
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid:		001	T P	20000	P
b.					
c.					
d.					
I. Additional Descriptions for Materials Listed Above ONE Empty Storage Tank (s) have been incinerated with 15 lbs. of waste per 1000 Gall. Capacity		J. Handling Codes for Wastes Listed Above O1A		K. Waste Number Scale 1/2 EPA/ID: NONE	
15. Special Handling Instructions and Additional Information Keep away from sources of ignition: Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name <b>RAMCON</b> & Phone <b>(916) 312-7535</b>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  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 <b>Kollo Stephens</b>		Signature <i>[Signature]</i>		Month Day Year <b>07 27 95</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Jim Cox, ERICKSON INC.</b>		Signature <i>[Signature]</i>		Month Day Year <b>07 27 95</b>	
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 <b>Donald H. Ross</b>		Signature <i>[Signature]</i>		Month Day Year <b>07 27 95</b>	

DO NOT WRITE BELOW THIS LINE.

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

91488995  
GENERATOR  
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAC000911480</b>	Manifest Document No. <b>88995</b>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>DONGARY INVESTMENTS LTD. P.O. BOX 7240 DENVER, COLORADO 94606</b>			A. State Manifest Document Number <b>91488995</b>		
4. Generator's Phone <b>309 330-3960</b>			B. State Generator's ID		
5. Transporter 1 Company Name <b>TRIDENT TRUCK LINE, INC.</b>		6. US EPA ID Number <b>C, A, D, 9, 8, 2, 4, 8, 4, 3, 7, 0</b>		C. State Transporter's ID <b>309901</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone <b>(510) 783-2881</b>	
9. Designated Facility Name and Site Address <b>ERICKSON INCORPORATED 255 PARR BLVD RICHMOND, CA 94801</b>		10. US EPA ID Number <b>C, A, D, 0, 0, 9, 4, 6, 6, 3, 9, 2</b>		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID <b>CAD, 0, 0, 9, 4, 6, 6, 3, 9, 2</b>	
				H. Facility's Phone <b>(510) 235-1393</b>	

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
<b>EMPTY TANK, NON-RCRA HAZARDOUS WASTE SOLID</b>	<b>0.01</b>	<b>T, P</b>	<b>20.000</b>	<b>P</b>	State: <b>512</b> EPA/Other: <b>NONE</b>
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above <b>QUANTITY ONE EMPTY STORAGE TANK(S) 9246</b>		K. Handling Codes for Wastes Listed Above	
HAVE BEEN INERTED WITH 15 LBS. DRY ICE PER 1,000 GAL. CAPACITY		a. <b>OR</b>	b.
		c.	d.

15. Special Handling Instructions and Additional Information  
**KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS AND GLASSES WHEN WORKING AROUND UNDERGROUND STORAGE TANKS. 24 HR. CONTACT NAME: RAMCON AND PHONE: (916) 372-7535**

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 <b>Rollo Stephens</b>	Signature <i>[Signature]</i>	Month Day Year <b>07 27 19 97</b>
---------------------------------------------	---------------------------------	--------------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name <b>TOM PILKINGTON</b>	Signature <i>[Signature]</i>	Month Day Year <b>07 12 19 97</b>

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 <b>Donald A. [Signature]</b>	Signature <i>[Signature]</i>	Month Day Year <b>07 27 19 97</b>

DO NOT WRITE BELOW THIS LINE.

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

79150

91489006

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8602; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No. <b>CAC00081148089006</b>		Manifest Document No. <b>016</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator Name and Mailing Address <b>DONGARY INVESTMENTS L.T.D., P.O. Box 7240 DENVER, Colorado 94606</b>				A. State Manifest Document Number <b>91489006</b>					
4. Generator's Phone <b>303-320-3960</b>				6. US EPA ID Number		C. State Transporter's ID <b>309977</b>		B. State Generator's ID	
5. Transporter 1 Company Name <b>TRIDENT TRUCK LINE, INC.</b>				C1 A1 D1 91821484370		D. Transporter's Phone <b>(510) 783-2881</b>		E. State Transporter's ID	
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID <b>CAD008466392</b>	
9. Designated Facility Name and Site Address <b>ERICKSON INCORPORATED 255 PARR BLVD RICHMOND, CA 94801</b>				10. US EPA ID Number		H. Facility's Phone <b>(510) 235-1393</b>		I. Waste Number	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit	
				No. Type		Quantity		Wt/Vol	
a. <b>WASTE EMPTY TANK, NON-RCRA HAZARDOUS WASTE SOLID</b>				001 T1P		20000		P	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
J. Additional Descriptions for Materials Listed Above						K. Handling Operations for Materials Listed Above			
QUANTITY <b>ONE</b> EMPTY STORAGE TANK(S) <b>9247</b>						a. <b>01</b> b.			
HAVE BEEN INERTED WITH 15LBS. DRY ICE PER 1,000 GAL. CAPACITY						c. d.			
15. Special Handling Instructions and Additional Information KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS AND GLASSES WHEN WORKING AROUND UNDERGROUND STORAGE TANKS. 24 HR. CONTACT NAME: <b>RAMCON</b> AND PHONE <b>(916) 372-7535</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.									
Printed/Typed Name <b>Rolle Stephens</b>				Signature <i>[Signature]</i>				Month Day Year <b>07 27 95</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>				Month Day Year <b>07 12 79</b>	
Printed/Typed Name <b>MIKE VERNAZZA</b>				Signature <i>[Signature]</i>				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 <i>[Signature]</i>				Signature <i>[Signature]</i>				Month Day Year <b>07 27 95</b>	

DO NOT WRITE BELOW THIS LINE.

White: TSDf SENDS THIS COPY TO OHS WITHIN 30 DAYS  
To: P.O. Box 3000, Sacramento, CA 95812

92081096  
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

RECEIVED BY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAL00081148081096	Manifest Document No.	2. Page of 1	Information in the shaded areas is not required by Federal law.
----------------------------------	---------------------------------------------------	-----------------------	-----------------	-----------------------------------------------------------------

3. Generator's Name and Mailing Address DONGARY INVESTMENTS LTD., P.O. BOX 7240 DENVER, COLORADO 94606	A. State Manifest Document Number 92081096
4. Generator's Phone 303 330-3960	B. State Generator's ID

5. Transporter 1 Company Name ERICKSON, INC.	6. US EPA ID Number CAD009466392	C. State Transporter's ID 309177	D. Transporter's Phone (510) 235-1393
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 Erickson, Inc. 255 Parr Blvd. Richmond, Ca: 94801	10. US EPA ID Number CAD009466392	G. State Facility ID CAD009466392	H. Facility's Phone (510) 235-1393
---------------------------------------------------------------------------------------------------------	--------------------------------------	--------------------------------------	---------------------------------------

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
	No.	Type			
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid:	001	TP	20000	P	State: 512 EPA/Other: NONE
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

12. Additional Descriptions for Materials Listed Above Qty: ONE Empty Storage Tank (s) # 9248 Tank (s) have been inerted with 15 lbs Dry Ice per 1000 Gal. Capacity:	K. Handling Codes for Materials Listed Above a. 01
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15. Special Handling Instructions and Additional Information  
Keep away from sources of ignition. Always wear hardhats when working around  
U.S.T.'s 24 Hr. Contact Name RAMCON & Phone (916) 372-7535

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.

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 Rollo Stephens	Signature <i>Rollo Stephens</i>	Month Day Year 07 27 92
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17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name JOHN DOUGLASS	Signature <i>John Douglass</i>	Month Day Year 07 27 92
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18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
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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 Donald A. Hanson	Signature <i>Donald A. Hanson</i>	Month Day Year 07 27 92
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DO NOT WRITE BELOW THIS LINE.

92081141

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

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <b>CAL00081148081141</b>		Manifest Document No. <b>41</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>DONGARY INVESTMENTS LTD. P.O. BOX 7240 DENVER, COLORADO 94606</b>				A. State Manifest Document Number <b>92081141</b>		B. State Generator's ID							
4. Generator's Phone <b>303 320-3960</b>				C. State Transporter's ID <b>309176</b>		D. Transporter's Phone <b>(510) 235-1393</b>							
5. Transporter 1 Company Name <b>ERICKSON INC.</b>				6. US EPA ID Number <b>CAL0009466392</b>		E. State Transporter's ID							
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>Erickson, Inc: 255 Parr Blvd: Richmond, Ca: 94801</b>				10. US EPA ID Number <b>CAL0009466392</b>		G. State Facility's ID <b>CAL0009466392</b>		H. Facility's Phone <b>(510) 235-1393</b>					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total		14. Unit		15. Waste Number	
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid:						No. Type		Quantity		Wt/Vol		State EPA/Other	
						002 R		14500		P		NONE	
b.													
c.													
d.													
16. Additional Descriptions for Materials Listed Above <b>Two Empty Storage Tank (s) 9249, 9250</b>						C. Handling Code (as listed above) <b>0150</b>							
Tank (s) have been inerted with 15 lbs.						per 1000 Gall. Capacity.							
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name <b>RAMCEN</b> & Phone <b>(916) 312-7535</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  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 <b>Rollo Stephens</b>				Signature 				Month <b>07</b>		Day <b>27</b>		Year <b>1996</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Robert Haney</b>				Signature 				Month <b>07</b>		Day <b>27</b>		Year <b>1996</b>	
18. Transporter 2 Acknowledgement of Receipt of Material 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 <b>Donald H. [unclear]</b>				Signature 				Month <b>07</b>		Day <b>27</b>		Year <b>1996</b>	

DO NOT WRITE BELOW THIS LINE.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CAD 00811480</b>		Manifest Document No. <b>81341311</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address <b>Dongary Investments P.O. Box 7240 - Denver, Colorado</b>				A: State Manifest Document Number <b>91688561</b>							
4. Generator's Phone <b>(303) 320-3960</b>				B: State Generator's ID							
5. Transporter 1 Company Name <b>Dexanna, Ltd.</b>		6. US EPA ID Number <b>CAD 982438566</b>		C: State Transporter's ID <b>108784</b>							
7. Transporter 2 Company Name		8. US EPA ID Number		D: Transporter's Phone <b>(510) 687-1292</b>							
9. Designated Facility Name and Site Address <b>Erickson, Inc. 255 Parr Blvd. Richmond, California 94801</b>		10. US EPA ID Number <b>CAD 009466392</b>		E: State Transporter's ID							
				F: Transporter's Phone							
				G: State Facility's ID							
				H: Facility's Phone <b>(510) 235-1393</b>							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)							12. Containers	13. Total	14. Unit	15. Waste Number	
a. <b>Waste Empty Storage Tank</b>							No.	Quantity	Wt/Vol	State	
b. <b>NON-RCRA Hazardous Waste Solid.</b>										<b>512</b>	
c. <b>(waste oil tank)</b>										EPA/Other <b>NONE</b>	
d.										State	
										EPA/Other	
										State	
										EPA/Other	
J: Additional Descriptions for Materials Listed Above <b>Qty 1 Empty Storage Tank # 9418. Tank has been inerted with 15 lbs. Dry Ice per 1000 gals. capacity.</b>							K: Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information <b>Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s. SITE LOCATION: 2225 - 7th. Street - Oakland, California 24 hr. Contact name: <b>Ramon</b> &amp; Phone # <b>(415) 578-7888</b></b>							a.				
							b.				
							c.				
							d.				
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 <b>Rollo Stephens AGENT</b>			Signature <i>[Signature]</i>			Month <b>03</b>		Day <b>13</b>		Year <b>1992</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name <b>James R. Cox</b>			Signature <i>[Signature]</i>			Month <b>03</b>		Day <b>13</b>		Year <b>1992</b>	
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	

DO NOT WRITE BELOW THIS LINE.

Yellow: GENERATOR RETAINS

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

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER RAMCON
JOB NO. 79156

FOR: Erickson, Inc. TANK NO. 9250

LOCATION: Richmond DATE: 07/29/92 TIME: 05:24:22

TEST 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.

TANK SIZE 6500 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
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 permissible 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.

REPRESENTATIVE K. Hughes TITLE \_\_\_\_\_ INSPECTOR DR



TELEPHONE  
(510) 235-1393

# CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER	RAMCON
JOB NO.	79156

FOR: Erickson, Inc. TANK NO. 9249

LOCATION: Richmond DATE: 08/05/92 TIME: 10:10:28

TEST 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.

TANK SIZE 8000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
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 permissible 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.

Kid Hughes REPRESENTATIVE TITLE DR INSPECTOR



# CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER RAMCON
JOB NO. 79156

FOR: Erickson, Inc. TANK NO. 9244

LOCATION: Richmond DATE: 07/30/92 TIME: 08:47:34

TEST METHOD Visual Gastech/1314 SMPX 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.

TANK SIZE 20000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
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 permissible 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.

W. Hughes REPRESENTATIVE TITLE INSPECTOR DR

# CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER  
RAMCON

JOB NO. 79156

FOR: Erickson, Inc. TANK NO. 9245

LOCATION: Richmond DATE: 07/30/92 TIME: 10:32:22

TEST METHOD Visual Gastech/1311 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.

TANK SIZE 20000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
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 permissible 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.

K. DeGhies REPRESENTATIVE TITLE INSPECTOR DR

# CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER  
RAMCON

JOB NO. 79156

FOR: Erickson, Inc. TANK NO. 9246

LOCATION: Richmond DATE: 07/30/92 TIME: 11:48:41

TEST METHOD Visual Gastech/1314 SMPX 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.

TANK SIZE 20000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
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 permissible 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.

Kidder  
REPRESENTATIVE

DR  
TITLE

DR  
INSPECTOR

TELEPHONE  
(510) 235-1393

# CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER  
RAMCOA

JOB NO. 79156

FOR: Erickson, Inc. TANK NO. 9247

LOCATION: Richmond DATE: 07/31/92 TIME: 09:23:04

Visual Gastech/1314 SMPX D

TEST METHOD \_\_\_\_\_ LAST PRODUCT \_\_\_\_\_

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.

TANK SIZE 20000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.3%  
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 permissible 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.

K. Hughes  
REPRESENTATIVE

\_\_\_\_\_  
TITLE

[Signature]  
INSPECTOR

TELEPHONE  
(510) 235-1393

# CERTIFICATE

## CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 08159  
CUSTOMER  
RAMCON  
JOB NO. 79156

Erickson, Inc. 9248  
FOR: \_\_\_\_\_ TANK NO. \_\_\_\_\_

Richmond 07/31/92 09:23:04  
LOCATION: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

Visual Gastech/1314 SMPN D  
TEST METHOD \_\_\_\_\_ LAST PRODUCT \_\_\_\_\_

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 \_\_\_\_\_

OXYGEN 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 permissible 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 than 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.

\_\_\_\_\_  
REPRESENTATIVE  
*K. Hughes*  
\_\_\_\_\_  
TITLE  
*DR*  
\_\_\_\_\_  
INSPECTOR