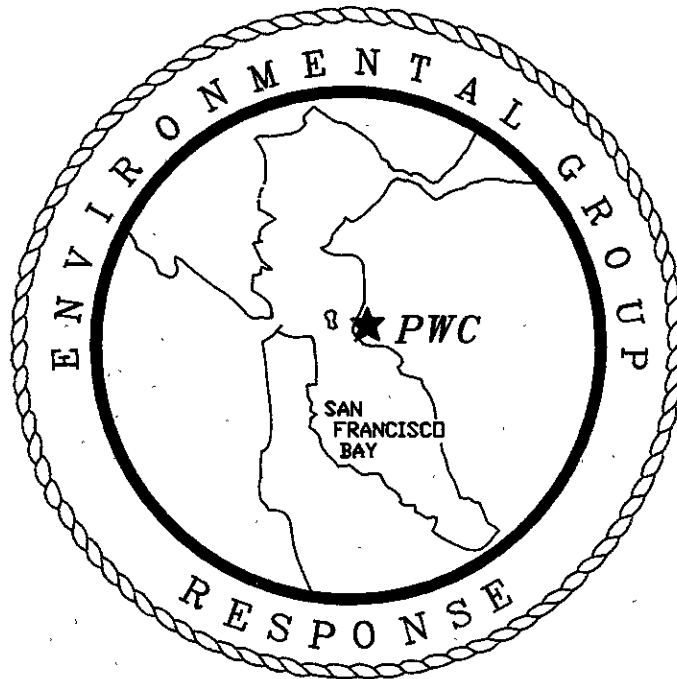


TANK CLOSURE REPORT FOR REMOVAL OF
UNDERGROUND STORAGE TANKS (UST'S)
NOS. B-732-1 & B-732-2
CAMP PARKS, DUBLIN, CALIFORNIA
JULY 1993



Prepared by:

Navy Public Works Center, San Francisco Bay
Environmental Group, Code 614
Oakland, California

In consultation with:

Alameda County Health Care Services,
Hazardous Material Division,
Oakland, California



ENCLOSURE (1)

TANK CLOSURE REPORT FOR REMOVAL
OF UNDERGROUND STORAGE TANKS (UST'S)
NOS. B-732-1 & B-732-2
CAMP PARKS, DUBLIN, CALIFORNIA

CERTIFICATION

I hereby certify that I have examined the Underground Storage Tank (UST) sites to be closed and having reviewed the requirements for tank closure of UST #'s B-732-1 and B-732-2 at Camp Parks, Dublin, California believe that the attached closure report has been prepared in accordance with good engineering practices.

Stephen P. Worthington

Printed name of Registered Professional Engineer

Stephen P. Worthington

Signature of Registered Professional Engineer



Date: 7/23/93 Registration No. 4137 State: California

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TANK CLOSURE REPORT
FOR REMOVAL OF TANKS NOS. B-732-1 AND B-732-2 LOCATED AT
CAMP PARKS, DUBLIN, CALIFORNIA

I. TANK CLOSURE REPORT:

A. Closure Activities: The closure activities were performed in accordance with the tank closure work/health and safety plan.

B. Conditions of Tanks, Fittings and Piping:

1. Tanks Nos. B-732-1 and B-732-2: Tank No. B-732-1 was an 18,000 gallon gasoline tank and Tank No. B-732-2 was a 1,000 gallon waste oil tank installed in 1942. Upon removal, no holes or corrosion pits were found due to the external tank asphalt coatings which protected both tanks. The fittings and piping buried in gravel and clay were also in good condition.

C. Site Excavation:

1. Tank No. B-732-1: 18,000 gallon gasoline OST
 - a. A 35 ft x 30 ft x 14 ft deep excavation using a backhoe was completed to loosen and remove the 10 ft diameter tank (plus 2 1/2 ft long fill pipes). The tank was removed with a 45 ton crane.
 - b. The native soil of the excavation side wall was composed of slightly sandy silt with mostly clay from ground surface to the ground water level about 13 ft from the surface.
 - c. There were no root holes or potential contaminant pathways encountered during the excavation.
 - d. The observed groundwater level was about 13 ft below the ground surface.
 - e. No streaks or odor bearing soils were encountered.
 - f. During excavation around the tank, the groundwater was found to be free of visible oil sheens.
2. Tank No. B-732-2:
 - a. A 12 ft x 8 ft x 8 ft deep excavation was required to remove this 1,000-gallon tank.
 - b. The excavated soil was composed of sand, gravel fill and clay.

- c. There were no root holes or potential contaminant pathways encountered during excavation.
- d. During excavation, rain water accumulated to within 6 inch from the ground level.
- e. The excavated wall had a streak of oil on the clay about 1 ft from the ground surface level. The suspected source was from past overflow.
- f. No ground water was observed to enter the pit.

D. Sampling Methods: Soil samples were collected by carefully driving a brass tube measuring 2 x 6 inches into the soil. Both ends of the tube were capped with plastic and sealed by the Eureka Laboratory sampler. Ground water samples from the Tank 732-1 excavation were collected with an extended stick and a bailer bail at its end to allow submerging bailer to fill slowly before capping. All samples were stored in a portable cooler with ice for transporting to the laboratory with completed chain of custody forms.

1. Tank No. B-732-1: Two soil stockpile samples (one each from stockpile #1 and #2, (see sketch #3 for stockpile locations), and one water sample (see sketch # 4) were initially taken. Eight weeks later, three verification samples (two trench wall samples East and West, and one ground water sample from 13 ft below the surface level after groundwater recharge) and 7 piping trench soil samples A1 thru A7 north and 7 soil samples B1 thru B7 south (every 20 linear feet, see sketch #4) were analyzed by a State certified third party laboratory contractor (Eureka Inc.). These results were previously submitted to Alameda County EPA for review which resulted in authorization for backfilling. Another copy of B-732-1 analytical results are included in Appendix 1 of this closure report.

2. Tank No. B-732-2: Three soil samples (one sample from stockpile #3, see sketch #3, and two samples from trench walls North and South, see sketch #4) and two trench rain water samples (one initial and one verification a week later before emptying the tank pit) were taken. Per Alameda County EPA instructions, rain water was to be emptied and no water sample was required from the pit if it did not recharge. The pit did not recharge upon emptying the rain water.

E. Remedial Measures Conducted at the Time of Tank Removals:

1. Tanks Nos. B-732-1 and B-732-2: No remedial measures were conducted at these sites other than the removal of these two tanks and associated piping.

F. To-Scale Sketch of Excavation Work Site, Sample Location and Previous Plot Plan:

1. Tanks Nos. B-732-1 and B-732-2:
 - a. For work site, see sketch #1.
 - b. For copy of plot plan, see sketch #2.
 - c. For sampling locations, see sketches #3 and #4.

G. Chain of Custody Records:

1. Tanks Nos. B-732-1 and B-732-2:
 - a. For chain of custody records, see Appendix 1.

H. Copies of Signed Laboratory Reports:

1. Tanks Nos. B-732-1 and B-732-2:
 - a. For copies of laboratory reports, see Appendix 1.

I. "TSDF to Generator" Manifest for All Hazardous Waste Hauled Off-site:

1. See Appendix 2.

J. Tabulation of All Non Manifested Contaminated Soil Hauled Off-site:

1. Tanks Nos. B-732-1 and B-732-2:
 - a. No contaminated soil was hauled off-site.

II. Action, Conclusion and Recommendations:

A. Tanks No. B-732-1:

The initial and the verification test results of the groundwater and soil samples from the excavation trench of the 18,000 gallon tank No B-732-1 including all associated piping excavation indicated no significant contamination. Through an earlier request, a copy of these analytical results were submitted

to the Alameda County EPA office whereby permission to backfill was granted since the test results indicated no significant contamination of TPH purgable, TPH extractable, BTEX or metals in stockpiled soil or groundwater was noted. Trench B-732-1 was backfilled with existing clean stockpiled soil and new soil to prevent further trench erosion. Table 1 presents a summary of analytical results showing no significant contamination.

B. Tank No. B-732-2 (1,000 gals):

1. The source of soil/water contamination appears to have been due to a past overflow. A leak, perhaps from the old pipe joints, appears less likely due to the good condition of piping/tank removed. However, per request by Alameda County EPA, a complete investigation of the trench was done by emptying the rain water and taking soil samples 2 ft below the bottom surface of the tank removed. Table 2 presents a summary of analytical results showing no significant contamination.

C. Recommendations:

Based on the above, no significant contamination remains. Therefore, upon approval of this closure report by Alameda County EPA, the smaller pit No. B-732-2 will be backfilled using new, uncontaminated soil, the remaining soil stockpiled will be properly disposed and this site will be closed.

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SOIL AND WATER TESTED FOR LEAD, PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS FOR TANK NO. B-732-1 (18,000 GALS) AND ITS ASSOCIATED PIPING.

<u>SOIL SAMPLE DATE</u>	<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>DETECTED CONSTITUENTS</u>	<u>CONCENTRATIONS (PPM)</u>
3/17/93	Pit 732-1 East	93-03-195	None	None
"	West	"	TPH-D	51
	<i>Piping trenches</i>			
"	732-A1	"	None	None
"	732-A2	"	None	None
"	732-A3	"	None	None
"	732-A4	"	None	None
"	732-A5	"	None	None
"	732-A6	"	None	None
"	732-A7	"	None	None
"	732-B1	"	TPH-D	60
"	732-B2	"	None	None
"	732-B3	"	None	None
"	732-B4	"	None	None
"	732-B5	"	None	None
"	732-B6	"	None	None
"	732-B7	"	None	None

<u>STOCKPILE SOIL SAMPLE</u>	<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>DETECTED CONSTITUENTS</u>	<u>CONCENTRATIONS (PPM)</u>
2/23/93	1A,B,C,D Composite	93-02-208	None	None
"	2A,B,C,D Composite	"	None	None

<u>WATER SAMPLE DATE</u>	<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>DETECTED CONSTITUENTS</u>	<u>CONCENTRATIONS MG/L (PPM)</u>
2/23/93	Pit 732-1	93-02-208	Ethyl Benzene	.0006
			Xylene	.0023
			TPH-G	.065
3/17/93	Pit 732-1A	93-03-195	None	None

Note:

1. Pit 732-1 East and West sample (soil from the tank pit) were tested for Lead, Purgeable Aromatics, TPH.
2. Samples 732-A1 to A7 and 732-B1 to B7 (soil from the excavation of its associated piping trench) were tested for Lead, Purgeable Aromatics and TPH.
3. Stockpile samples 1A,B,C,D and 2A,B,C,D Composite (soil from the excavated tank pit 732-2) were tested for Purgeable Aromatics and TPH.
4. Water sample 732-1 (from the pit of tank 732-1) and sample 732-1A (taken on 3/17/93 for verification) were tested for Purgeable Aromatics and TPH.

TABLE 2

SUMMARY OF ANALYTICAL RESULTS FOR SOIL AND WATER TESTED FOR O&G, TPH, BTEX, OTHER METALS, CHLOROHYDROCARBONS AND LEAD FOR TANK NO. B-732-2 (1,000 gals)

<u>SOIL SAMPLE DATE</u>	<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>DETECTED CONSTITUENTS</u>	<u>CONCENTRATIONS (PPM)</u>
5/6/93	1A South	93-05-068	1,2-Dichloro Benzene 1,3-Dichloro Benzene Hexochloroethane Tetrachlorobenzene Pentachloroethane Lead Toluene Xylene	.120 .203 .013 .002 .116 5.4 .02 .014
"	2A North	"	None	None
5/14/93	1A South	93-05-172	Lead	8.8
"	2A North	"	Lead	7.4

<u>STOCKPILE SOIL SAMPLE</u>	<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>DETECTED CONSTITUENTS</u>	<u>CONCENTRATIONS (PPM)</u>
2/23/93	3A,B,C,D Comp.	93-02-208	Chromium Nickel Zinc Lead Cadmium Ethyl Benzene Xylene TPH-G TPH-D TRPH	20.7 28.2 39.2 12.9 .19 .159 .440 46.3 13.5 32

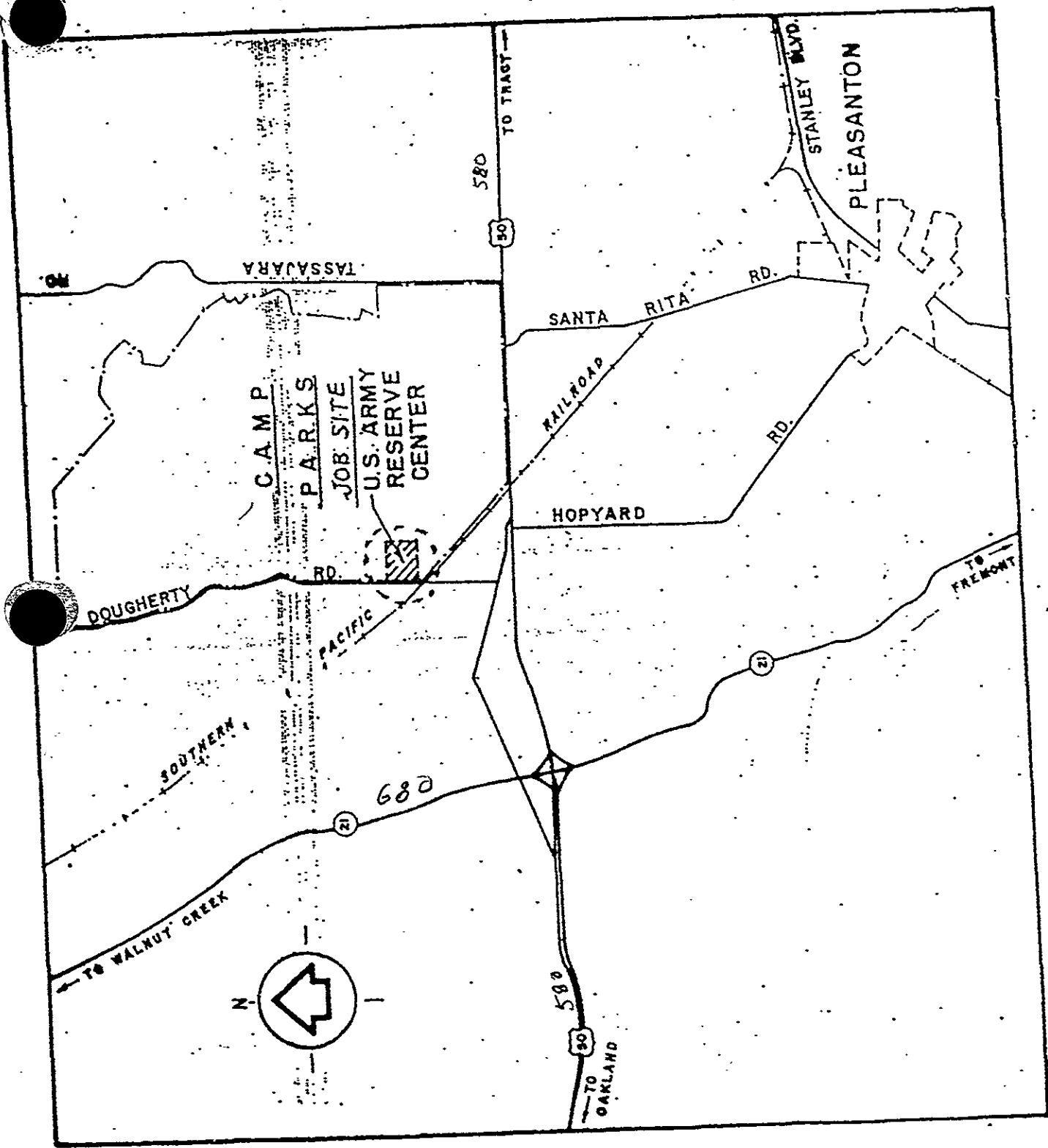
<u>WATER</u> <u>SAMPLE DATE</u>	<u>LOCATION</u>	<u>SAMPLE NO.</u>	<u>DETECTED</u> <u>CONSTITUENTS</u>	<u>CONCENTRATIONS</u> <u>MG/L (PPM)</u>
INITIAL WATER SAMPLE				
2/23/93	Pit 732-2	93-02-208	Chromium	.007
			Zinc	.085
			Lead	.054
			Ethyl Benzene	.196
			Toluene	.118
			Xylene	.939
			TPH-G	13.5
			TPH-D	36.4

FINAL WATER SAMPLE

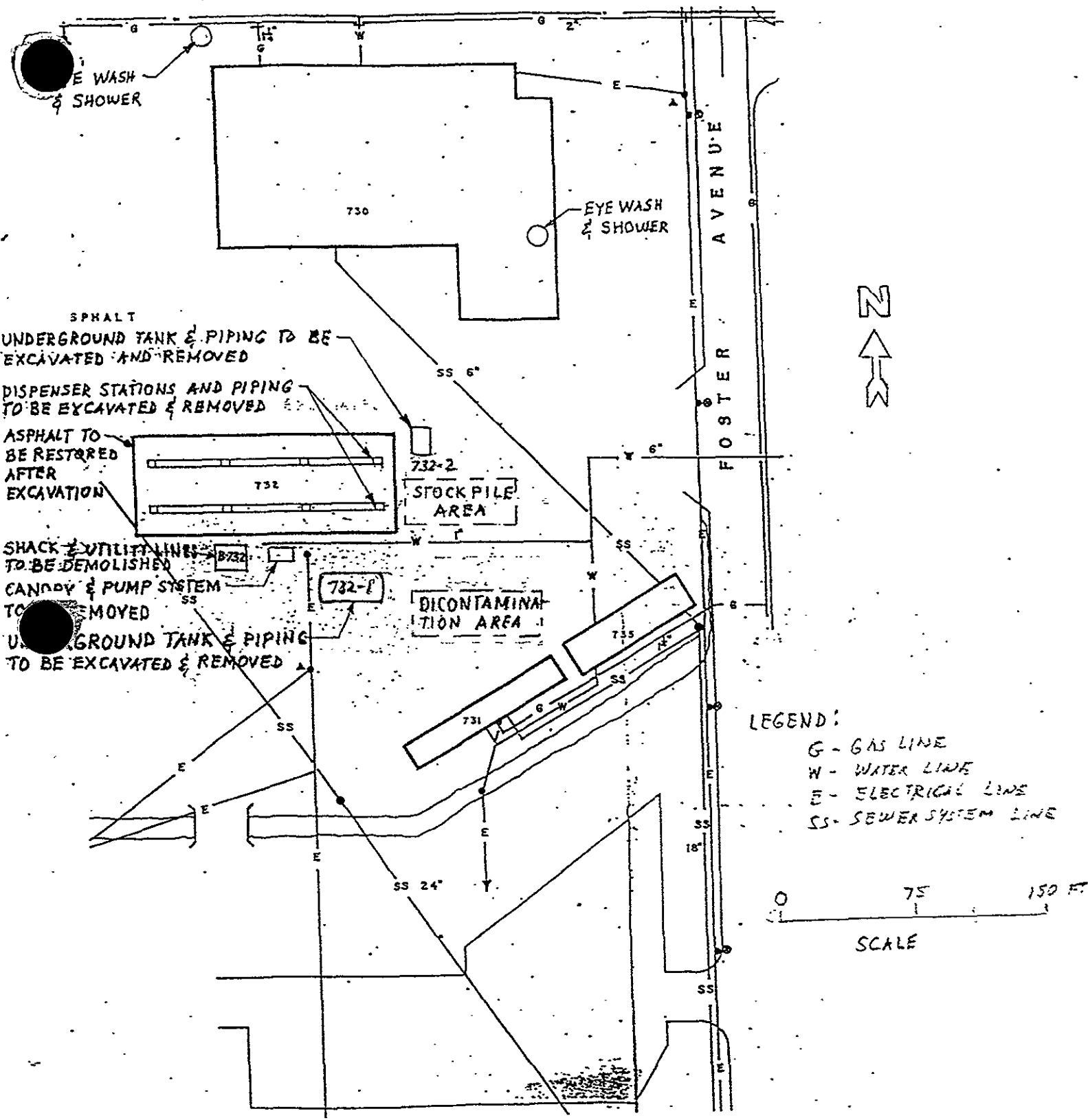
5/3/93	Pit 732-2	93-05-012	Zinc	.02
5/6/93	Pit 732-2	93-05-071	None	None

Note:

- 1A South and 1A North samples (soil from the tank pit) were tested for O&G, Lead, Purgeable Aromatics, TPH and Chlorinated Hydrocarbon. Samples were taken again at the same location on 5/14/93 for verification.
- Stockpile 3A,B,C,D Composite sample (soil from the excavation) was tested for Metals, Total Recoverable Petroleum Hydrocarbons, Purgeable Aromatics, TPH and Chlorinated Hydrocarbons. The stockpiled soil was placed on and covered by plastic. This soil will be disposed in accordance with Federal and State regulations.
- The initial water sample Pit 732-2 (water from the pit after the tank was removed) and the final water samples (verified before disposal) were tested for Metals, Purgeable Aromatics and TPH.
- Water sample Pit 732-2 which was taken on 5/3/93 was tested for Chlorinated Hydrocarbon, O&G, Metals and Purgeable Aromatics.
- Water sample from pit 732-2 which was taken on 5/6/93 was tested for TPH and Purgeable Aromatics.



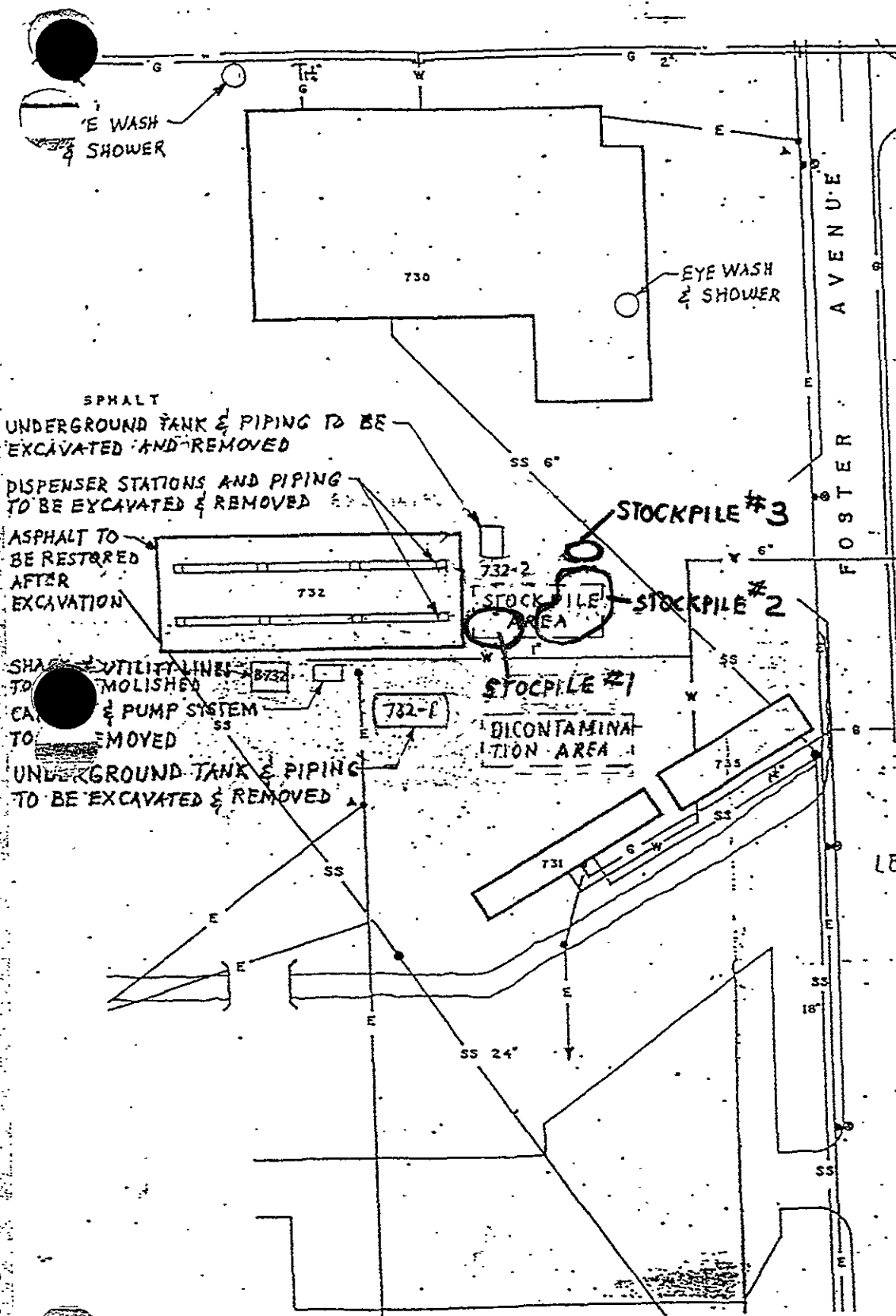
CAMP PARKS
WORK SITE
SKETCH #1



CAMP PARKS (ECS-30)

PLOT PLAN B-732

SKETCH #2



N
↑

★ STOCKPILE #1 & 2
FROM PIT 732-1

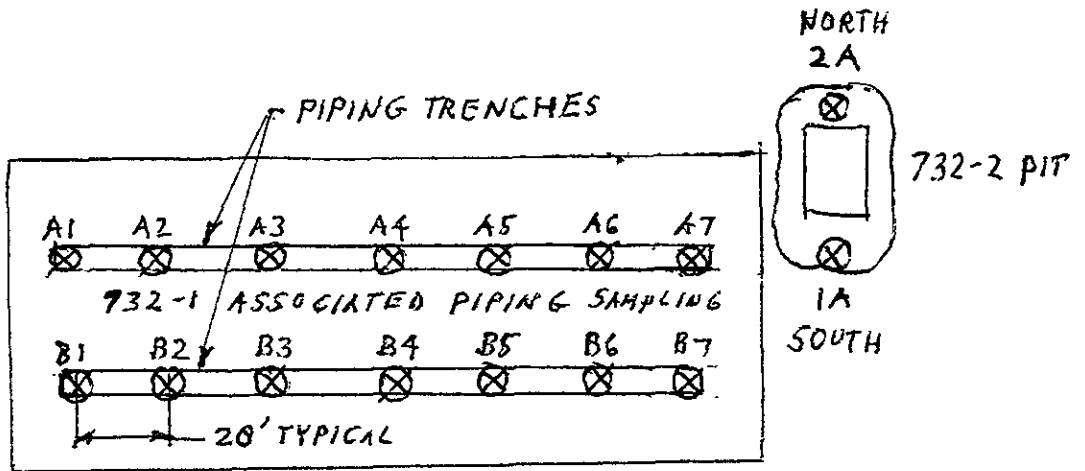
★ STOCKPILE #3
FROM PIT 732-2

LEGEND:

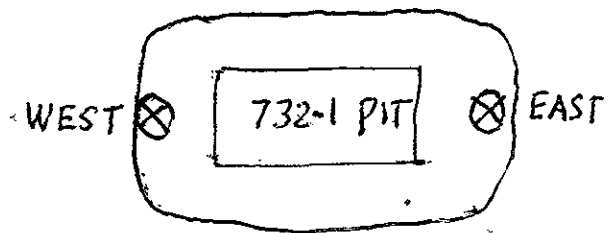
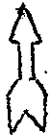
G - GAS LINE
 W - WATER LINE
 E - ELECTRICAL LINE
 SS - SEWER SYSTEM LINE

0 75 150 FT
 SCALE

CAMP PARKS (ECS-30)
STOCKPILE #1, #2, #3 LOCATIONS
SKETCH #3

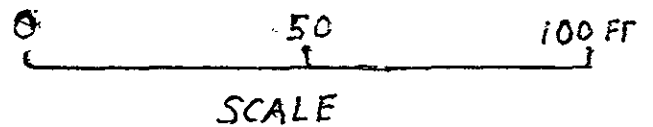


N



LEGEND:

⊗ - SOIL SAMPLE LOCATIONS



CAMP PARKS (ECS-30)

SAMPLING LOCATIONS FOR PIT B-732-1 AND B-731-1 PITS AND ASSOCIATED PIPING

SKETCH # 4



EUREKA LABORATORIES, INC.

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
17403 N.E. 28th STREET
REDMOND, WA 98052
TEL: (206) 885-0284
FAX: (206) 885-0284

March 26, 1993

Ms. Mona McCarty
PUBLIC WORKS CENTER-SFBAY
Bldg 794, Oakland Army Base
P.O. Box 24003
Oakland, CA 94623-1003

Reference: ELI Order No: 93-03-195
Contract #: N62474-92-D-0430
Permit #:
Order #:
P.O. #: 93E-690
Location: Bldg. 732

Dear Ms. McCarty:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for one (1) aqueous sample and sixteen (16) solid samples - ONE WEEK RUSH - for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Lead	EPA 7421-	PIT 732-1 EAST, PIT 732-1 WEST, BLDG. 732-A1, BLDG. 732-A2, BLDG. 732-A3, BLDG. 732-A4, BLDG. 732-A5, BLDG. 732-A6, BLDG. 732-A7, BLDG. 732-B1, BLDG. 732-B2, BLDG. 732-B3, BLDG. 732-B4, BLDG. 732-B5, BLDG. 732-B6, BLDG. 732-B7
Purgeable Aromatics	EPA 8020	PIT 732-1A, PIT 732-1 EAST, PIT 732-1 WEST, BLDG. 732-A1, BLDG. 732-A2, BLDG. 732-A3, BLDG. 732-A4, BLDG. 732-A5, BLDG. 732-A6, BLDG. 732-A7, BLDG. 732-B1, BLDG. 732-B2, BLDG. 732-B3, BLDG. 732-B4, BLDG. 732-B5, BLDG. 732-B6, BLDG. 732-B7
Total Petroleum Hydrocarbons	EPA 8015 (Modified)	Same as above

Sincerely yours,
EUREKA LABORATORIES, INC.

MAR 30 REC'D

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
QA/QC Director

SPY/et
Attachment

LEAD
EPA Method 7421

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/18/1993
DATE ANALYZED: 03/19,22/1993
INSTRUMENT ID: PE5100, V400Z
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1g

<u>ELI SAMPLE ID.</u>	<u>CLIENT SAMPLE ID.</u>	<u>D/L</u>	<u>CONC. [mg/Kg (ppm)]</u>
9303195-02A	PIT 732-1 EAST	0.3	4.1
9303195-03A	PIT 732-1 WEST	0.3	4.7
9303195-04A	BLDG. 732-A1	1.2*	4.9
9303195-05A	BLDG. 732-A2	1.2*	6.5
9303195-06A	BLDG. 732-A3	1.2*	17.4
9303195-07A	BLDG. 732-A4	1.2*	13.9
9303195-08A	BLDG. 732-A5	1.2*	6.4
9303195-09A	BLDG. 732-A6	1.2*	7.2
9303195-10A	BLDG. 732-A7	1.2*	7.4
9303195-11A	BLDG. 732-B1	1.2*	5.4
9303195-12A	BLDG. 732-B2	1.2*	5.0
9303195-13A	BLDG. 732-B3	1.2*	5.8
9303195-14A	BLDG. 732-B4	1.2*	8.2
9303195-15A	BLDG. 732-B5	1.2*	7.4
9303195-16A	BLDG. 732-B6	1.2*	5.8
9303195-17A	BLDG. 732-B7	1.2*	9.2
9303195-18A	METHOD BLANK	0.3	<0.3

DETECTION LIMIT [mg/Kg (ppm)]: 0.3

9303195-22A REAGENT SPIKE RECOVERY 98% **
9303195-23A REAGENT SPIKE RECOVERY DUP. 85% **

* Higher detection limit is due to high analyte concentration.
** Reagent spike set is used due to matrix interference.

Barbara Faubert
Barbara Faubert March 26, 1993
Chemist Date

00001

MAR 30 REC'D

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: NA
DATE ANALYZED: 03/18/1993
INSTRUMENT ID: VG-1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-01A
SAMPLE ID: PIT 732-1A

COMP NO.	Compound	CONCENTRATION ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes (Dimethyl benzenes)	<0.5	0.5

Huey-Chen, Chow

Huey-Chen, Chow
Chemist

March 26, 1993
Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953

Order No: 93-03-195
 Hazardous Waste Testing
 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-690
 PERMIT #:
 ORDER #:
 LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
 DATE RECEIVED: 03/17/1993
 DATE EXTRACTED: 03/19/1993
 DATE ANALYZED: 03/20/1993
 INSTRUMENT ID: VG-1
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT: WET
 SAMPLE VOL./WT.: 20g
 DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-02A
 SAMPLE ID: PIT 732-1A EAST

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
 Chemist

March 26, 1993

Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953

Order No: 93-03-195
 Hazardous Waste Testing
 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-690
 PERMIT #:
 ORDER #:
 LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
 DATE RECEIVED: 03/17/1993
 DATE EXTRACTED: 03/19/1993
 DATE ANALYZED: 03/20/1993
 INSTRUMENT ID: VG-1
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT: WET
 SAMPLE VOL./WT.: 20g
 DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-03A
 SAMPLE ID: PIT 732-1A WEST

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen, Chow

Huey-Chen Chow
 Chemist

March 26, 1993

Date

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ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-04A
SAMPLE ID: BLDG. 732-A1

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993

Date

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PURGEABLE AROMATICS, EPA METHOD 8020

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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
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P.O. #: 93E-690
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DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-05A
SAMPLE ID: BLDG. 732-A2

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993

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PURGEABLE AROMATICS, EPA METHOD 8020

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Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
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DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-06A
SAMPLE ID: BLDG. 732-A3

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen, Chow

Huey-Chen Chow
Chemist

March 26, 1993
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PURGEABLE AROMATICS, EPA METHOD 8020

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(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

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DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-07A
SAMPLE ID: BLDG. 732-A4

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen, Chow

Huey-Chen, Chow
Chemist

March 26, 1993

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PURGEABLE AROMATICS, EPA METHOD 8020

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Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-08A
SAMPLE ID: BLDG. 732-A5

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993
Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-09A
SAMPLE ID: BLDG. 732-A6

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993

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ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953

Order No: 93-03-195
 Hazardous Waste Testing
 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-690
 PERMIT #:
 ORDER #:
 LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
 DATE RECEIVED: 03/17/1993
 DATE EXTRACTED: 03/19/1993
 DATE ANALYZED: 03/20/1993
 INSTRUMENT ID: VG-1
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT: WET
 SAMPLE VOL./WT.: 20g
 DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-10A
 SAMPLE ID: BLDG. 732-A7

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
 Chemist

March 26, 1993
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Order No: 93-03-195
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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-11A
SAMPLE ID: BLDG. 732-B1

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

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March 26, 1993
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CLIENT: PUBLIC WORKS CENTER-SFBAY
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DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-12A
SAMPLE ID: BLDG. 732-B2

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

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Chemist

March 26, 1993
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CLIENT: PUBLIC WORKS CENTER-SFBAY
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PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
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DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-13A
SAMPLE ID: BLDG. 732-B3

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen, Chow

Huey-Chen Chow
Chemist

March 26, 1993
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Certification: 1165

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PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
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DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-14A
SAMPLE ID: BLDG. 732-B4

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

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LOCATION: BLDG 732

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DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-15A
SAMPLE ID: BLDG. 732-B5

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

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Chemist

March 26, 1993
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PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
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DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-16A
SAMPLE ID: BLDG. 732-B6

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993
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PURGEABLE AROMATICS, EPA METHOD 8020

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6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: 03/17/1993
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-17A
SAMPLE ID: BLDG. 732-B7

COMP NO.	Compound	CONCENTRATION ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (Dimethyl benzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-01A
FILE ID: NA
SAMPLE ID: PIT 732-1A

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: SVG1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1000ml
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
JP5 Range	<.2	.2
JP4 Range	<.2	.2
Gasoline Range	<.1	.1
Diesel Range	<.2	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP5 Range	-	
JP4 Range	-	
Gasoline	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP5 Range	-	
JP4 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-02A
FILE ID: NA
SAMPLE ID: PIT 732-1 EAST

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

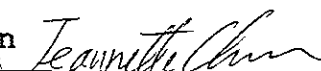
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen
Chemist



03/24/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165- - -

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-03A
FILE ID: NA
SAMPLE ID: PIT 732-1 WEST

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	51	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	51	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	C12-C18
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	C16
Motor Oil Range	-

NA = Not Available

Jeanette Chen
Chemist

Jeanette Chen

03/24/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-04A
FILE ID: NA
SAMPLE ID: BLDG. 732-A1

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svgl
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-05A
FILE ID: NA
SAMPLE ID: BLDG. 732-A2

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svgl
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen

03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-06A
FILE ID: NA
SAMPLE ID: BLDG. 732-A3

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen
03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-07A
FILE ID: NA
SAMPLE ID: BLDG. 732-A4

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svgl
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93

Chemist

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-08A
FILE ID: NA
SAMPLE ID: BLDG. 732-A5

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen
Chemist

Jeanette Chen

03/24/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-09A
FILE ID: NA
SAMPLE ID: BLDG. 732-A6

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-10A
FILE ID: NA
SAMPLE ID: BLDG. 732-A7

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	--
JP5 Range	--
Gasoline Range	--
Diesel Range	--
Motor Oil Range	--

PEAK CARBON NO.

JP4 Range	--
JP5 Range	--
Gasoline Range	--
Diesel Range	--
Motor Oil Range	--

NA = Not Available

Jeanette Chen
Chemist



03/24/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-11A
FILE ID: NA
SAMPLE ID: BLDG. 732-B1

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svgl
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	60	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	60	
CARBON NO. RANGE		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	C12-C18	
Motor Oil Range	-	
PEAK CARBON NO.		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	C16	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen



03/24/93

Chemist

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-12A
FILE ID: NA
SAMPLE ID: BLDG. 732-B2

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range -
JP5 Range -
Gasoline Range -
Diesel Range -
Motor Oil Range -

PEAK CARBON NO.

JP4 Range -
JP5 Range -
Gasoline Range -
Diesel Range -
Motor Oil Range -

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen
03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-13A
FILE ID: NA
SAMPLE ID: BLDG. 732-B3

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen
03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-14A
FILE ID: NA
SAMPLE ID: BLDG. 732-B4

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-15A
FILE ID: NA
SAMPLE ID: BLDG. 732-B5

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svgl
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-16A
FILE ID: NA
SAMPLE ID: BLDG. 732-B6

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: BLDG. 732
ELI SAMPLE ID: 9303195-17A
FILE ID: NA
SAMPLE ID: BLDG. 732-B7

DATE SAMPLED: 03/17/93
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen
03/24/93

Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: NA
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: NA
DATE ANALYZED: 03/18/1993
INSTRUMENT ID: VG-1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-24A
SAMPLE ID: METHOD BLANK

COMP NO.	Compound	CONCENTRATION ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes (Dimethyl benzenes)	<0.5	0.5

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993
Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

ELI SAMPLE ID: 9303195-26A
SAMPLE ID: PIT 732-1A MATRIX SPIKE
RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: NA
DATE ANALYZED: 03/18/1993
INSTRUMENT ID: VG-1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

COMP. NO.	COMPOUND	SPIKE RECOVERY %
V1	Benzene	103
V2	Chlorobenzene	93
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	88
V7	Toluene	89
V8	Xylenes (Dimethyl benzenes)	98

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993
Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

DATE SAMPLED: NA
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: NA
DATE ANALYZED: 03/18/1993
INSTRUMENT ID: VG-1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9303195-27A
SAMPLE ID: PIT 732-1A MATRIX SPIKE
RECOVERY DUPLICATE

COMP. NO.	COMPOUND	SPIKE RECOVERY %
V1	Benzene	109
V2	Chlorobenzene	96
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	91
V7	Toluene	93
V8	Xylenes (Dimethyl benzenes)	100

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-18A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
JP5 Range	<.2	
JP4 Range	<.2	
Gasoline Range	<.1	.1
Diesel Range	<.2	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP5 Range	-	
JP4 Range	-	
Gasoline	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP5 Range	-	
JP4 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen

03/24/93

Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195 --
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

ELI SAMPLE ID: 9303195-20A
SAMPLE ID: BLDG. 732-B6 MATRIX SPIKE
RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

COMP. NO.	COMPOUND	SPIKE RECOVERY %
V1	Benzene	102
V2	Chlorobenzene	81
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	83
V7	Toluene	98
V8	Xylenes (Dimethyl benzenes)	85

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 26, 1993

Date

ORGANIC ANALYSIS REPORT
PURGEABLE AROMATICS, EPA METHOD 8020

EUREKA LABORATORIES, INC. ---
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No: 93-03-195
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-690
PERMIT #:
ORDER #:
LOCATION: BLDG 732

ELI SAMPLE ID: 9303195-21A
SAMPLE ID: BLDG. 732-B6 MATRIX SPIKE
RECOVERY DUPLICATE

DATE SAMPLED: NA
DATE RECEIVED: 03/17/1993
DATE EXTRACTED: 03/19/1993
DATE ANALYZED: 03/20/1993
INSTRUMENT ID: VG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

COMP. NO.	COMPOUND	SPIKE RECOVERY %
V1	Benzene	87
V2	Chlorobenzene	82
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	82
V7	Toluene	86
V8	Xylenes (Dimethyl benzenes)	86

Huey-Chen Chow
Huey-Chen Chow
Chemist

March 26, 1993
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: E765--

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-22A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP5 Range	NA
JP4 Range	NA
Gasoline Range	NA
Diesel Range	118%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	NA
CARBON NO. RANGE	
JP5 Range	-
JP4 Range	-
Gasoline	-
Diesel Range	-
Motor Oil Range	-
PEAK CARBON NO.	
JP5 Range	-
JP4 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Reagent spike set is due to insufficient sample provided.

Jeanette Chen

Chemist

Jeanette Chen
03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828-
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-23A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA


PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP5 Range	NA
JP4 Range	NA
Gasoline Range	NA
Diesel Range	117%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
CARBON NO. RANGE	
JP5 Range	-
JP4 Range	-
Gasoline	-
Diesel Range	-
Motor Oil Range	-
PEAK CARBON NO.	
JP5 Range	-
JP4 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Reagent spike set is due to insufficient sample provided.

Jeanette Chen

Chemist


03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-24A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: NA
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP4 Range	-	
JP5 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen
Chemist

Jeanette Chen

03/24/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-26A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY
BLDG. 732-B6

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	127%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen

Chemist

Jeanette Chen

03/24/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-27A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY DUP
BLDG. 732-B6

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: 40g

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	115%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen
Chemist

Jeanette Chen

03/24/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-28A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: NA
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	90%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	-

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93
Chemist Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-03-195
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-690
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9303195-29A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 03/17/93
DATE EXTRACTED: 03/19/93
DATE ANALYZED: 03/22/93
INSTRUMENT ID: svg1
MATRIX: NA
% MOISTURE: NA
REPORT WT: wet
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	100%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 03/24/93
Chemist Date



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
 TEL: (916) 381-7953
 FAX: (916) 381-4013

RESULTS TO

CLIENT NAVY PWC
 ADDRESS MONA MCCARTY/PACIFICO
 CONTACT _____
 PHONE _____

INVOICE TO

CLIENT _____
 ADDRESS _____
 CONTACT _____
 P.O.# _____

SHIPPING METHOD
Hand carry
10°C

ELI ORDER # <u>GCN19</u> <u>93-03-1945</u>	SHELF # <u>CC93</u>	PROJECT REF # <u>93E-690</u>	PROJECT NAME <u>CAMP PARKS</u>	ANALYSIS REQUEST		TEMP	PK	CONDITION
---	---------------------	------------------------------	--------------------------------	------------------	--	------	----	-----------

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	FULL PH + BTEX	Pb by AA	TEMP	PK	CONDITION
				S	W	O	N	H	H						
1A	PIT 732-1A	3-17-93 1230	BLOG 732	X			X			1 LAMBER 2x40ML VOA	X				
2A	PIT 732-1EAST	3-17-93 1237		X						1 BRASSTUBE	X	X			
3A	PIT 732-1WEST	3-17-93 1255		X											
4A	BLOG 732-A1	3-17-93 1515								1500ML VOA 1500ML VOA					
5A	-A2	3-17-93 1505								1 BRASSTUBE					
6A	-A3	3-17-93 1455													
7A	-A4	3-17-93 1440													
8A	-A5	3-17-93 1435													
9A	-A6	3-17-93 1420													
10A	-A7	3-17-93 1405													

EXPEDITE

SAMPLER'S SIGNATURE <u>R. Morgan</u>	DATE/TIME 3-17-93 1530	RELINQUISHED BY: <u>R. Morgan</u>	DATE/TIME 3-17-93 1730	RECEIVED BY: <u>Simon Young</u>	DATE/TIME 3/17/93 1730
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME	RECEIVED BY LAB:	DATE/TIME



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
 TEL: (916) 381-7953
 FAX: (916) 381-4013

RESULTS TO

CLIENT NAVY PWC
 ADDRESS _____
 CONTACT _____
 PHONE _____

INVOICE TO

CLIENT _____
 ADDRESS _____
 CONTACT _____
 P.O.# _____

SHIPPING METHOD

*Hand
 carry
 10°C*

ELI ORDER # 6CV19
93-03-194
 SHELF # CC92
 PROJECT REF # 93E-690

PROJECT NAME
CAMP PARK

ANALYSIS REQUEST

*FULL VFA + BTX
 Pb by AA*

T
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N

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	ANALYSIS REQUEST		TEMP	CONDITION
				S	W	O	N	H	H					
11A	BLOG 732-B1	3-17-93 1350	BLOG 732	X			X			1500ML JAR	X	X		
12A	-B2	3-17-93 1345												
13A	-B3	3-17-93 1340												
14A	-B4	3-17-93 1335												
15A	-B5	3-17-93 1325												
16A	-B6	3-17-93 1320												
17A	-B7	3-17-93 1315												

EXPEDITE

SAMPLER'S SIGNATURE <i>R. Morgan</i>	DATE/TIME 3-17-93 1530	RELINQUISHED BY: <i>R. Morgan</i>	DATE/TIME 3-17-93 1730	RECEIVED BY: <i>Simon Young</i>	DATE/TIME 3/17/93 17:30
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME	RECEIVED BY LAB:	DATE/TIME

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808
SAMPLE LOCATION: CAMP PARK
ELI SAMPLE ID: 9305071-01A
FILE ID: NA
SAMPLE ID: PIT 732.2

DATE SAMPLED: 05/06/93
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
JP5 Range	<.2	.2
JP4 Range	<.2	.2
Gasoline Range	<.1	.1
Diesel Range	<.2	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP5 Range	-	
JP4 Range	-	
Gasoline	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP5 Range	-	
JP4 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen
Chemist



05/10/93
Date

00005

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020



EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARKS BLDG 732-2

DATE SAMPLED: 05/06/1993
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305071-01A
SAMPLE ID: PIT 732.2

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes(dimethylbenzenes)	<0.5	0.5

Huey-Chen Chow

Chemist

May 11, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification: 1165


CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARKS BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305071-02A
SAMPLE ID: METHOD BLANK

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes(dimethylbenzenes)	<0.5	0.5

Huey-Chen Chow


Chemist

May 11, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953


Order No.: 93-05-071
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARKS BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305071-04A
SAMPLE ID: PIT 732.2 MATRIX SPIKE RECOVERY

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	83%
V2	Chlorobenzene	88%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	81%
V7	Toluene	79%
V8	Xylenes (dimethylbenzenes)	80%

Huey-Chen Chow

Chemist

May 11, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification: 1165


CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARKS BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305071-05A
SAMPLE ID: PIT 732.2 MATRIX SPIKE RECOVERY
DUPLICATE

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	82%
V2	Chlorobenzene	88%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	78%
V7	Toluene	79%
V8	Xylenes (dimethylbenzenes)	80%

Huey-Chen Chow


Chemist

May 11, 1993

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305071-02A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
JP5 Range	<.2	.2
JP4 Range	<.2	.2
Gasoline Range	<.1	.1
Diesel Range	<.2	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
JP5 Range	-	
JP4 Range	-	
Gasoline	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
JP5 Range	-	
JP4 Range	-	
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen
Chemist

Jeanette Chen

05/10/93
Date

00006

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305071-06A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP5 Range	NA
JP4 Range	NA
Gasoline Range	NA
Diesel Range	85%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP5 Range	-
JP4 Range	-
Gasoline	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP5 Range	-
JP4 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Reagent spike set is used due to insufficient sample provided.

Jeanette Chen

Chemist

Jeanette Chen
05/10/93

Date

00007

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-071
Hazardous Waste Testing
Certification No.: E765

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305071-07A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP5 Range	NA
JP4 Range	NA
Gasoline Range	NA
Diesel Range	80%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
CARBON NO. RANGE	
JP5 Range	-
JP4 Range	-
Gasoline	-
Diesel Range	-
Motor Oil Range	-
PEAK CARBON NO.	
JP5 Range	-
JP4 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Reagent spike set is used due to insufficient sample provided.

Jeanette Chen
Chemist



05/10/93
Date

00008

Replacement of Broken bottle from previous sampling. (5/03/93)

12°C



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
TEL: (916) 381-7953
FAX: (916) 381-4013

RESULTS TO

CLIENT Oakland NSC PWC
ADDRESS _____
CONTACT MONA MC CARTHY
PHONE _____

INVOICE TO

CLIENT _____
ADDRESS _____
CONTACT _____
P.O.# _____

SHIPPING METHOD

Hand Carry

ELI ORDER # 071
93-05 ~~051~~

SHELF # F38

PROJECT REF # _____

PROJECT NAME _____

ANALYSIS REQUEST

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ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	Full TPA	ANALYSIS REQUEST				TEMP	PH	CONDITION	
				S	W	D	N	H	H			N	H	2	S				4
1A	PIT 732-2	5/06/93	COMP PARK BLDG 732-2	X			X				1x1000ml Amb bottle.	X							

24 HOUR RUSH

SAMPLER'S SIGNATURE [Signature]

DATE/TIME 5/06/93 1220

RELINQUISHED BY: [Signature]

DATE/TIME 5/06/93 1530

RECEIVED BY: _____

DATE/TIME _____

RECEIVED BY: _____

DATE/TIME _____

RELINQUISHED BY: _____

DATE/TIME _____

RECEIVED BY LAB: K. Franceschi

DATE/TIME 5/6/93 1520

CHLORINATED HYDROCARBONS
EPA Method 612

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953


Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/03/1993
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/03/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: SVG-3
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 1L
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-01A
CLIENT SAMPLE ID: PIT 732-2

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<0.04	0.04
2-Chloronaphthalene	<0.4	0.4
1,2-Dichlorobenzene	<0.02	0.02
1,3-Dichlorobenzene	<0.02	0.02
1,4-Dichlorobenzene	<0.04	0.04
Hexachlorobenzene	<0.02	0.02
Hexachlorobutadiene	<0.02	0.02
Hexachlorocyclohexane	<0.02	0.02
Hexachlorocyclopentadiene	<0.02	0.02
Hexachloroethane	<0.02	0.02
Tetrachlorobenzenes	<0.02	0.02
1,2,4-Trichlorobenzene	<0.1	0.1
Pentachloroethane	<0.02	0.02

Samir Samaan 
Chemist

May 5, 1993
Date

OIL AND GREASE
EPA METHOD 413.2

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/03/1993
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/04/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: FTIR
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 970ml
DILUTION FACTOR: 1

<u>ELI</u> <u>SAMPLE ID</u>	<u>CLIENT</u> <u>SAMPLE ID</u>	<u>CONCENTRATION</u> <u>[mg/L (ppm)]</u>	<u>D/L</u> <u>[mg/L (ppm)]</u>
9305012-01A	PIT 732-2	<0.1	0.1
9305012-02A	METHOD BLANK	<0.1	0.1
9305012-06A	REAGENT SPIKE RECOVERY	107% *	
9305012-07A	REAGENT SPIKE RECOVERY DUPLICATE	102% *	

* Reagent spike set is used due to insufficient sample provided.

Ren Zheng, Ph.D.
Chemist

May 5, 1993
Date

00001

% WATER (Karl Fisher)
ASTM D401-81

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/03/1993
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: L/I AQUAMETRY
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA

<u>ELI SAMPLE I.D.</u>	<u>SAMPLE I.D.</u>	<u>RESULT %</u>	<u>D/L</u>
9305012-01A	PIT 732-2	99.3	0.1%
	PIT 732-2 DUPLICATE	98.7	0.1%

Cindy Gao *Cindy Gao*
Chemist May 5, 1993
Date

METALS

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/03/1993
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/04/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: JA 9000, PE5100,
V400Z & V-30
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 100ml

ELI SAMPLE ID: 9305012-01A
SAMPLE ID: PIT 732-2

<u>METALS</u>	<u>RESULT</u> [mg/L (ppm)]	<u>D/L</u> [mg/L (ppm)]	<u>MATRIX</u>
Chromium	<0.02	0.02	6010
Nickel	<0.10	0.10	6010
Zinc	0.02	0.01	6010
Lead	<0.003	0.003	7421
Cadmium	<0.0005	0.0005	7131
Mercury	<0.001	0.001	7470

Barbara Faubert
Barbara Faubert
Chemist

Susie Lee Ph.D.
Susie Lee
Chemist

May 5 1993
Date

METALS

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953


Order No.: 93-05-012
 Hazardous Waste Testing
 Certification: 1165

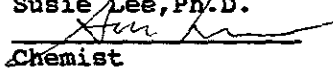
CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT: N62474-92-D-0430
 P.O. #: 93EL-808
 PERMIT #:
 ORDER #:
 LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
 DATE RECEIVED: 05/03/1993
 DATE EXTRACTED: 05/04/1993
 DATE ANALYZED: 05/04/1993
 INSTRUMENT ID: JA 9000, PE5100,
 V400Z & V-30
 MATRIX: AQUEOUS
 % MOISTURE: NA
 REPORT WT.: NA
 SAMPLE VOL./WT.: NA

ELI SAMPLE ID: 9305012-02A
 SAMPLE ID: METHOD BLANK

<u>METALS</u>	<u>RESULT</u> <u>[mg/L (ppm)]</u>	<u>D/L</u> <u>[mg/L (ppm)]</u>	<u>MATRIX</u>
Chromium	<0.02	0.02	6010
Nickel	<0.10	0.10	6010
Zinc	<0.01	0.01	6010
Lead	<0.003	0.003	7421
Cadmium	<0.0005	0.0005	7131
Mercury	<0.001	0.001	7470

Barbara Faubert

 Chemist

Susie Lee, Ph.D.

 Chemist

May 5 1993
 Date

METALS

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/04/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: JA 9000, PE5100,
V400Z & V-30
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 100ml

ELI SAMPLE ID: 9305012-04A
SAMPLE ID: MATRIX SPIKE RECOVERY *

<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>MATRIX</u>
Chromium	98%	6010
Nickel	89%	6010
Zinc	97%	6010
Lead	103% **	7421
Cadmium	112% ▲	7131
Mercury	117% ▲	7470

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

** Reagent spike set is used due to matrix interference.

▲ PH 732-2 Matrix Spike Recovery

Barbara Faubert
Barbara Faubert
Chemist

Susie Lee, Ph.D.
Susie Lee
Chemist

May 5 1993
Date

METALS

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/04/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: JA 9000, PE5100,
V400Z & V-30
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 100ml

ELI SAMPLE ID: 9305012-05A
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *

<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>MATRIX</u>
Chromiumm	98%	6010
Nickel	87%	6010
Zinc	97%	6010
Lead	107% **	7421
Cadmiumm	113% ▲	7131
Mercury	105% ▲	7470

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

** Reagent spike set is used due to matrix interference.

▲ PH 732-2 Matrix Spike Recovery

Barbara Faubert
Barbara Faubert
Chemist

Susie Lee, Ph.D.
Susie Lee
Chemist

May 5 1993
Date

PURGEABLE AROMATICS
EPA METHOD 602

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/03/1993
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/03/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-01A
CLIENT SAMPLE ID: PIT 732-2

COMP NO.	COMPOUND	CONC. ug/L (ppb)	D/L ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes (Dimethyl benzenes)	<0.5	0.5

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 5, 1993
Date

PURGEABLE AROMATICS
EPA METHOD 602

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/03/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-02A
CLIENT SAMPLE ID: METHOD BLANK

COMP NO.	COMPOUND	CONC. ug/L (ppb)	D/L ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes (Dimethyl benzenes)	<0.5	0.5

Huey-Chen, Chow
Huey-Chen, Chow
Chemist

May 5, 1993
Date

PURGEABLE AROMATICS
EPA METHOD 602

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: NA
CONTRACT: N62474-92-D-0430	DATE RECEIVED: 05/03/1993
P.O. #: 93EL-808	DATE EXTRACTED: NA
PERMIT #:	DATE ANALYZED: 05/03/1993
ORDER #:	INSTRUMENT ID: VG-4
LOCATION: CAMP PARK BLDG 732-2	MATRIX: AQUEOUS
	% MOISTURE: NA
ELI SAMPLE ID: 9305012-04A	REPORT WT.: NA
CLIENT SAMPLE ID: PIT 732-2 MATRIX SPIKE RECOVERY	SAMPLE VOL./WT.: 5ml
	DILUTION FACTOR: 1

COMP NO.	COMPOUND	SPIKE RECOVERY
V1	Benzene	70%
V2	Chlorobenzene	82%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	73%
V7	Toluene	75%
V8	Xylenes (Dimethyl benzenes)	80%

Huey-Chen Chow

Huey-Chen Chow
Chemist

May 5, 1993
Date

PURGEABLE AROMATICS
EPA METHOD 602

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: NA
DATE ANALYZED: 05/03/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-05A
CLIENT SAMPLE ID: PIT 732-2 MATRIX SPIKE
RECOVERY DUPLICATE

COMP NO.	COMPOUND	SPIKE RECOVERY
V1	Benzene	68%
V2	Chlorobenzene	81%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	72%
V7	Toluene	71%
V8	Xylenes (Dimethyl benzenes)	78%

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 5, 1993
Date

**CHLORINATED HYDROCARBONS
EPA Method 612**

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

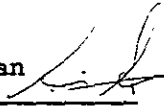
Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/03/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: SVG-3
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-02A
CLIENT SAMPLE ID: METHOD BLANK

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<0.04	0.04
2-Chloronaphthalene	<0.4	0.4
1,2-Dichlorobenzene	<0.02	0.02
1,3-Dichlorobenzene	<0.02	0.02
1,4-Dichlorobenzene	<0.04	0.04
Hexachlorobenzene	<0.02	0.02
Hexachlorobutadiene	<0.02	0.02
Hexachlorocyclohexane	<0.02	0.02
Hexachlorocyclopentadiene	<0.02	0.02
Hexachloroethane	<0.02	0.02
Tetrachlorobenzenes	<0.02	0.02
1,2,4-Trichlorobenzene	<0.1	0.1
Pentachloroethane	<0.02	0.02

Samir Samaan 
Chemist

May 5, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 612

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/03/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: SVG-3
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-06A
CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY *

COMPOUND	SPIKE RECOVERY
Benzyl Chloride	-
2-Chloronaphthalene	89%
1,2-Dichlorobenzene	64%
1,3-Dichlorobenzene	65%
1,4-Dichlorobenzene	-
Hexachlorobenzene	90%
Hexachlorobutadiene	82%
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	75%
Tetrachlorobenzenes	66%
1,2,4-Trichlorobenzene	82%
Pentachloroethane	96%

* Reagent spike set is used due to insufficient sample provided.

Samir Samaan

Chemist

May 5, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 612

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-012
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/03/1993
DATE EXTRACTED: 05/03/1993
DATE ANALYZED: 05/04/1993
INSTRUMENT ID: SVG-3
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305012-07A


CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY DUP. *

COMPOUND	SPIKE RECOVERY
Benzyl Chloride	-
2-Chloronaphthalene	100%
1,2-Dichlorobenzene	64%
1,3-Dichlorobenzene	65%
1,4-Dichlorobenzene	-
Hexachlorobenzene	92%
Hexachlorobutadiene	82%
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	80
Tetrachlorobenzenes	66%
1,2,4-Trichlorobenzene	82%
Pentachloroethane	88%

* Reagent spike set is used due to insufficient sample provided.

Samir Samaan

Chemist


May 5, 1993
Date

4 HRS TAT

93EL-2



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
TEL: (916) 381-7953
FAX: (916) 381-4013

RESULTS TO

CLIENT Oakland NSC PWC
ADDRESS _____
CONTACT MONA Mc CARTY
PHONE 510-302-5426

INVOICE TO

CLIENT _____
ADDRESS _____
CONTACT _____
P.O.# _____

SHIPPING METHOD

Hand Carried
180c

ELI ORDER # 93-05-012 SHELF # 471 PROJECT REF # SCVR

PROJECT NAME _____

ANALYSIS REQUEST

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	Full TPH	% WATER	BTEX	OIL & GREASE	CHLO HYDROCAR	METALS	TEMP	PH	CONDITION
				S O I L	W A T E R	A I R	N O N E	H N O 3	H 2 S O 4										
	PA Pit 732-2	5/03/93	CONF PARK BLDG 732-2	X			X	X	X	1x1000ml Plast 2x1000ml Amber 2x1000ml VOA 1x1000ml G-TAR 1x1000ml Plastic	X	X	X	X	X	X			
24 HOUR RUSH																			

SAMPLER'S SIGNATURE [Signature]

DATE/TIME 5/03/93
12:15

RELINQUISHED BY: [Signature]

DATE/TIME 5/03/93
15:15

RECEIVED BY: [Signature]

DATE/TIME _____

RECEIVED BY: _____

DATE/TIME _____

RELINQUISHED BY: _____

DATE/TIME _____

RECEIVED BY LAB: [Signature]

DATE/TIME 5/30/93 15:15


24775 177

73EL-808

PRELIMINARY
COPY PUBLISHED

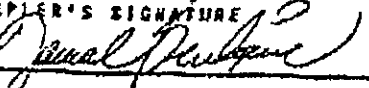
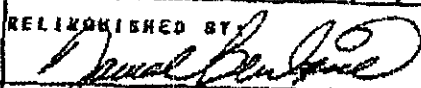

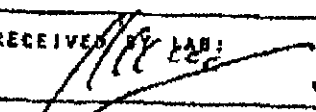
May 4, 93 17:42 No. 006 P. 01

EUREKA LABS, INC.

 EUREKA LABORATORIES, INC. 6790 FLORIN PERKINS ROAD TEL: (916) 381-7953 FAX: (916) 381-6013	RESULTS TO CLIENT: <u>Oakland NSC</u> <u>PWC</u>		INVOICE TO CLIENT: _____		SHIPPING METHOD <u>Hand Carry</u> <u>180c</u>
	ADDRESS: _____		ADDRESS: _____		
	CONTACT: <u>MONA MC CARTY</u>		CONTACT: _____		
	PHONE: <u>510-302-5426</u>		P.O. #: _____		

EST. ORDER # <u>93-05-012</u>	SHELF # <u>571/508</u>	PROJECT REF # <u>571/508</u>	PROJECT NAME _____
----------------------------------	---------------------------	---------------------------------	-----------------------

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX					PRESERVATION			CONTAINER TYPE & NO.	ANALYSIS REQUEST					VERT	BY	CORR	PROG								
				S	O	A	I	L	N	M	N		R	H	Full TPH	% NAHCK	BTEX					Oil & Grease	CHLOR HYDROCAR	METALS					
	CA Pit 732-2	5/03/93	CONF PARK BLDG 732-2	X					X	X	X	1/500um/100um EXTENDED RANGE 20/100um/100um 10/100um/100um ATMOSPHERIC PARTIC	X	X	X	X	X	X											
24 HOUR RUSH																													

CLIENT'S SIGNATURE 	DATE/TIME <u>5/03/93</u> <u>12:15</u>	RELINQUISHED BY: 	DATE/TIME RECEIVED BY: <u>5/03/93</u> <u>15:15</u>	DATE/TIME _____
RECEIVED BY: 	DATE/TIME _____	RELINQUISHED BY: _____	DATE/TIME RECEIVED BY: 	DATE/TIME <u>5/03/93</u> <u>15:15</u>

4501

COPY

OIL AND GREASE
EPA METHOD 413.2

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/06/1993
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: FTIR
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 25g
DILUTION FACTOR: 1

<u>ELI</u> <u>SAMPLE ID</u>	<u>CLIENT</u> <u>SAMPLE ID</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>D/L</u> <u>[mg/Kg (ppm)]</u>
9305068-01A	SOUTH SIDE 732.2	<4	4
9305068-02A	METHOD BLANK	<4	4
9305068-04A	SOUTH SIDE 732.2	MATRIX SPIKE RECOVERY	98%
9305068-05A	SOUTH SIDE 732.2	MATRIX SPIKE RECOVERY	97%
	DUPLICATE		
9305068-06A	REAGENT SPIKE RECOVERY		98%
9305068-07A	REAGENT SPIKE RECOVERY DUPLICATE		100%

Ren Zheng, Ph.D.
Chemist

May 11, 1993
Date

00001

LEAD
EPA METHOD 7421

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARKS BLDG 732-2

DATE SAMPLED: 05/06/1993
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: PE5100
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 1g

<u>ELI SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>RESULT</u> [mg/Kg (ppm)]	<u>D/L</u> [mg/Kg (ppm)]
9305068-01A	SOUTH SIDE 732.2	5.4	0.3
9305068-02A	METHOD BLANK	<0.3	0.3
9305068-06A	REAGENT SPIKE RECOVERY	111% *	
9305068-07A	REAGENT SPIKE RECOVERY DUPLICATE	110% *	

* The matrix spike used in this analysis is from another sample of the same analytical batch. However, due to high analyte concentration in the matrix spike sample, the reagent spike sample is reported.

Barbara Faubert
Barbara Faubert
Chemist
Date May 11, 1993

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

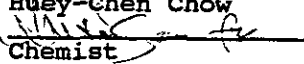
CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/06/1993
INSTRUMENT ID: VG-2
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-02A
SAMPLE ID: METHOD BLANK

COMP. No.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes(dimethylbenzenes)	<1	1

Huey-Chen Chow


Chemist

May 11, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953

Order No.: 93-05-068
 Hazardous Waste Testing
 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT: N62474-92-D-0430
 P.O. #: 93EL-808A
 PERMIT #:
 ORDER #:
 LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/06/1993
 DATE RECEIVED: 05/06/1993
 DATE EXTRACTED: 05/06/1993
 DATE ANALYZED: 05/06/1993
 INSTRUMENT ID: VG-2
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT.: WET
 SAMPLE VOL./WT.: 20g
 DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-01A
 SAMPLE ID: SOUTH SIDE 732.2

COMP. No.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	20	1
V8	Xylenes(dimethylbenzenes)	14	1

Note: All positively indentified compounds were second column or second detector confirmed.

Huey-Chen Chow
 Chemist

May 11, 1993
 Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/06/1993
INSTRUMENT ID: VG-2
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-04A
SAMPLE ID: MATRIX SPIKE RECOVERY *

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	86%
V2	Chlorobenzene	114%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	89%
V7	Toluene	98%
V8	Xylenes (dimethylbenzenes)	91%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
[Signature]
Chemist

May 11, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

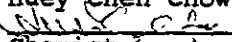
CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/06/1993
INSTRUMENT ID: VG-2
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-05A
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	76%
V2	Chlorobenzene	112%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	89%
V7	Toluene	118%
V8	Xylenes(dimethylbenzenes)	91%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Hsuey-Chen Chow

Chemist

May 11, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953


Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-02A
CLIENT SAMPLE ID: METHOD BLANK

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<15	15
1,2-Dichlorobenzene	<0.8	0.8
1,3-Dichlorobenzene	<0.8	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	<0.8	0.8
Tetrachlorobenzenes	<0.8	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	<0.8	0.8

Samir Samaan 
Chemist

May 11, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: 05/06/1993
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: DRY
SAMPLE VOL./WT.: 30g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-01A
CLIENT SAMPLE ID: SOUTH SIDE 732.2

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<15	15
1,2-Dichlorobenzene	120	0.8
1,3-Dichlorobenzene	203	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	13	0.8
Tetrachlorobenzenes	2.0	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	116	0.8

w

levels are below PRCs

Samir Samaan *[Signature]*
Chemist

May 11, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165


CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-06A
CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY *

COMPOUND	SPIKE RECOVERY
Benzyl Chloride	87%
2-Chloronaphthalene	85%
1,2-Dichlorobenzene	84%
1,3-Dichlorobenzene	-
1,4-Dichlorobenzene	-
Hexachlorobenzene	110%
Hexachlorobutadiene	-
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	-
Tetrachlorobenzenes	87%
1,2,4-Trichlorobenzene	111%
Pentachloroethane	-

* Reagent spike set is used due to matrix interference.

Samir Samaan 
Chemist

May 11, 1993
Date

00009

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG 732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/1993
DATE EXTRACTED: 05/06/1993
DATE ANALYZED: 05/07/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305068-07A

CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY DUP. *

COMPOUND	SPIKE RECOVERY
Benzyl Chloride	81%
2-Chloronaphthalene	81%
1,2-Dichlorobenzene	79%
1,3-Dichlorobenzene	-
1,4-Dichlorobenzene	-
Hexachlorobenzene	104%
Hexachlorobutadiene	-
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	-
Tetrachlorobenzenes	84%
1,2,4-Trichlorobenzene	104%
Pentachloroethane	-

* Reagent spike set is used due to matrix interference.

Samir Samaan

Chemist

May 11, 1993
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: CAMP PARK
ELI SAMPLE ID: 9305068-01A
FILE ID: NA
SAMPLE ID: SOUTH SIDE 732.2

DATE SAMPLED: 05/06/93
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/10/93
Chemist Date

00011

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305068-02A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/10/93
Chemist Date

00012

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305068-04A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY
SOUTH SIDE 732.2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	123%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/10/93
Chemist Date

00013

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305068-05A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY DUP
SOUTH SIDE 732.2

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: 068-1AMSD
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	110%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
 CARBON NO. RANGE	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-
 PEAK CARBON NO.	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/10/93
Chemist Date

00014

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305068-06A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	55%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-


PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen

Chemist


05/10/93

Date

00015

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-068
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305068-07A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 05/06/93
DATE EXTRACTED: 05/06/93
DATE ANALYZED: 05/07/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	55%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/10/93

Chemist

Date

00016

Preliminary copy

Duplicate

24 HRS TAT

CHIT # 93EL-808A



EUREKA LABORATORIES, INC.
 6790 FLORIN PERKINS ROAD
 TEL: (916) 381-7953
 FAX: (916) 381-8013

RESULTS TO

CLIENT Oakland NSC PWC
 ADDRESS _____
 CONTACT Anna Mc Carthy
 PHONE _____

INVOICE TO

CLIENT _____
 ADDRESS _____
 CONTACT _____
 P.O.# _____

SHIPPING METHOD

ECL ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	ANALYSIS REQUEST				T	A	C
				S	O	L	H	B	H		B	FULL TPH	BTEX	OIL & GREASE			
1A	South side	5/14/93	CAMP ROCK BLDG # 732-2	X			X			1 BRASS TUBE	X	X	X	X			
2A	North side	5/14/93	u u u	X			X			u u	X	X	X	X			

24 HOUR RUSH

SAMPLER'S SIGNATURE <i>James [Signature]</i>	DATE/TIME RELINQUISHED BY: 5/14/93	RELINQUISHED BY: <i>James [Signature]</i>	DATE/TIME RECEIVED BY: 5/14/93 1815	RECEIVED BY:
RECEIVED BY:	DATE/TIME RELINQUISHED BY:	RELINQUISHED BY:	DATE/TIME RECEIVED BY LAB:	RECEIVED BY:

4573

PURGEABLE AROMATICS
EPA METHOD 602 / 6020

Navy (93-05-172)

DATE SAMPLED: -
 DATE RECEIVED: 5/17/93
 DATE EXTRACTED: 5/17/93
 DATE ANALYZED: 5/17/93

INSTRUMENT ID: ~~6020~~ VG-4
 MATRIX: solid
 % MOISTURE: -
 REPORT WT: wet

SAMPLE ID	BK	1A	2A			2A H Uprk	2A M Sprk
Sample Vol/WT	N/A	20 g	20 g				
Dilution Factor	1	1	1				
D/L (µg/kg)	1	1	1				
V1 Benzene	nd	nd	nd			93 f	89 f
V2 Chlorobenzene						87 f	87 f
V3 1,2-Dichlorobenzene						-	-
V4 1,3-Dichlorobenzene						-	-
V5 1,4-Dichlorobenzene						-	-
V6 Ethyl benzene						87 f	88 f
V7 Toluene						95 f	111 f
V8 Xylenes (Dimethyl benzenes)						106 f	101 f

May 18, 93 17:07 No. 009 P.03

8AM.

Client: Navy ELI #: 9305172 Date Extracted: 5-17-93
 Analysis: Pb Matrix: Solid, Wet Date Analyzed: 1) Pb: 5-17-93
 EPA Method: 7421 D. F.: See Below
 Instrument ID: PE5100 Sample Vol/Wt.: 1g
 Chemist: B. Faubert Digestion Method: 1) Pb: EPA 3050 CLP MODIFIED

ELI #	Sample ID	Result			D/L (mg/Kg)			Notes and Comments	D. F.		
		1	2	3	1	2	3		1	2	3
		Pb			Pb				Pb		
9305172	1A	8.8			1.2**			** NOTE 3	4		
	2A	7.4			↓				↓		
	* R [S]	115%						* NOTE 4			
	* R [SD]	106%									
	Method Blank	<			0.3						

EUREKA LABS, INC.

24 HRS TAT

CHIT # 93EL-808A

10°C



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
TEL: (916) 381-7953
FAX: (916) 381-4013

RESULTS TO

CLIENT Oakland NSC PWC
ADDRESS _____
CONTACT MONA MC CARTY
PHONE _____

INVOICE TO

CLIENT _____
ADDRESS _____
CONTACT _____
P.O.# _____

SHIPPING METHOD

Hand Carry

ELI ORDER #

93-05-068

SHELF #

F36

PROJECT REF #

PROJECT NAME

ELI ID

CLIENT SAMPLE ID

DATE/TIME OF SAMPLING

SAMPLE LOCATION

MATRIX

PRESERVATION

CONTAINER TYPE & NO.

ANALYSIS REQUEST

TEMP
PH
COMPOSITION

1A South Side 732-2

5/06/93

CAMP PARK BLDG 732-2

X

X

1 BRASS TUBE

Full TPA

BTEX

Oil & GREASE

CHLO HYDROCA

LEAD by AA

24 HOUR RUSH

SAMPLER'S SIGNATURE

Janal Bulbone

DATE/TIME

5/06/93 1230

RELINQUISHED BY:

Janal Bulbone

DATE/TIME

5/06/93 1530

RECEIVED BY:

DATE/TIME

RECEIVED BY:

DATE/TIME

RELINQUISHED BY:

DATE/TIME

RECEIVED BY LAB:

K. Franceschi

DATE/TIME

5/6/93 1530



**OIL AND GREASE
EPA METHOD 413.2**

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: 05/14/1993
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: FTIR
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 25g
DILUTION FACTOR: 1

<u>ELI SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>CONCENTRATION [mg/Kg (ppm)]</u>	<u>D/L [mg/Kg (ppm)]</u>
9305172-01A	SOUTH SIDE	<4	4
9305172-02A	NORTH SIDE	<4	4
9305172-03A	METHOD BLANK	<4	4
9305172-05A	NORTH SIDE MATRIX SPIKE RECOVERY	102%	
9305172-06A	NORTH SIDE MATRIX SPIKE RECOVERY DUPLICATE	107%	
9305172-07A	REAGENT SPIKE RECOVERY	102%	
9305172-08A	REAGENT SPIKE RECOVERY DUPLICATE	102%	

Ren Zheng
Ren Zheng, Ph.D.
Chemist

May 19, 1993
Date

LEAD
EPA METHOD 7421

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: 05/14/1993
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: PE5100
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 1g

<u>ELI</u>		<u>RESULT</u>	<u>D/L</u>
<u>SAMPLE I.D.</u>	<u>SAMPLE I.D.</u>	<u>[mg/Kg (ppm)]</u>	<u>[mg/Kg (ppm)]</u>
9305172-01A	SOUTH SIDE	8.8	1.2 **
9305172-02A	NORTH SIDE	7.4	1.2 **
9305172-03A	METHOD BLANK	<0.3	0.3
9305172-07A	REAGENT SPIKE RECOVERY	115% *	
9305172-08A	REAGENT SPIKE RECOVERY	106% *	
	DUPLICATE		

Barbara Faubert
Barbara Faubert
Chemist
May 19, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SPRAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: 05/14/1993
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
& MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-01A
SAMPLE ID: SOUTH SIDE

COMP. No.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (dimethylbenzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 19, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: 05/14/1993
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-02A
SAMPLE ID: NORTH SIDE

COMP. No.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (dimethylbenzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 19, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-03A
SAMPLE ID: METHOD BLANK

COMP. No.	COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (dimethylbenzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 19, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-05A
SAMPLE ID: NORTH SIDE MATRIX SPIKE RECOVERY

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	93%
V2	Chlorobenzene	87%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	87%
V7	Toluene	95%
V8	Xylenes(dimethylbenzenes)	106%

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 19, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-06A
SAMPLE ID: NORTH SIDE MATRIX SPIKE RECOVERY
DUPLICATE

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	89%
V2	Chlorobenzene	87%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	88%
V7	Toluene	111%
V8	Xylenes(dimethylbenzenes)	101%

Huey-Chen Chow
Huey-Chen Chow
Chemist

May 19, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: 05/14/1993
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 30g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-01A
CLIENT SAMPLE ID: SOUTH SIDE

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<25	25
1,2-Dichlorobenzene	<0.8	0.8
1,3-Dichlorobenzene	<0.8	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	<0.8	0.8
Tetrachlorobenzenes	<0.8	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	<0.8	0.8

Samir Samaan 

Chemist

May 19, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: 05/14/1993
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 30g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-02A
CLIENT SAMPLE ID: NORTH SIDE

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<25	25
1,2-Dichlorobenzene	<0.8	0.8
1,3-Dichlorobenzene	<0.8	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	<0.8	0.8
Tetrachlorobenzenes	<0.8	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	<0.8	0.8

Samir Samaan 

Chemist

May 19, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

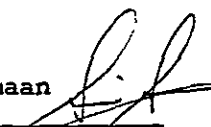
Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-03A
CLIENT SAMPLE ID: METHOD BLANK

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<25	25
1,2-Dichlorobenzene	<0.8	0.8
1,3-Dichlorobenzene	<0.8	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	<0.8	0.8
Tetrachlorobenzenes	<0.8	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	<0.8	0.8

Samir Samaan 
Chemist

May 19, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

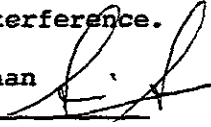
ELI SAMPLE ID: 9305172-07A
CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY *

COMPOUND	% SPIKE RECOVERY
Benzyl Chloride	-
2-Chloronaphthalene	95%
1,2-Dichlorobenzene	86%
1,3-Dichlorobenzene	80%
1,4-Dichlorobenzene	-
Hexachlorobenzene	120%
Hexachlorobutadiene	-
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	-
Tetrachlorobenzenes	91%
1,2,4-Trichlorobenzene	-
Pentachloroethane	50%

* Reagent spike set is used due to matrix interference.

Samir Samaan

Chemist


May 19, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93EL-808A
PERMIT #:
ORDER #:
LOCATION: CAMP PARK BLDG #732-2

DATE SAMPLED: NA
DATE RECEIVED: 05/14/1993
DATE EXTRACTED: 05/17/1993
DATE ANALYZED: 05/17/1993
INSTRUMENT ID: SVG-3
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9305172-08A

CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY DUP. * DILUTION FACTOR: 1

COMPOUND	% SPIKE RECOVERY
Benzyl Chloride	-
2-Chloronaphthalene	94%
1,2-Dichlorobenzene	87%
1,3-Dichlorobenzene	84%
1,4-Dichlorobenzene	-
Hexachlorobenzene	110%
Hexachlorobutadiene	-
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	-
Tetrachlorobenzenes	91%
1,2,4-Trichlorobenzene	-
Pentachloroethane	56%

* Reagent spike set is used due to matrix interference.

Samir Samaan

Chemist

May 19, 1993

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: CMP PRK B-732-2
ELI SAMPLE ID: 9305172-01A
FILE ID: NA
SAMPLE ID: SOUTH SIDE

DATE SAMPLED: 05/14/93
DATE RECEIVED: 05/14/93
DATE EXTRACTED: 05/17/93
DATE ANALYZED: 05/17/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 40g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/18/93
Chemist Date

00013

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
 6790 Florin Perkins Road
 Sacramento, CA 95828
 (916)381-7953

Order No.: 93-05-172
 Hazardous Waste Testing
 Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 PROJECT: NA
 TASK #: NA
 P.O.#: 93EL-808A
 SAMPLE LOCATION: CMP PRK B-732-2
 ELI SAMPLE ID: 9305172-02A
 FILE ID: NA
 SAMPLE ID: NORTH SIDE

DATE SAMPLED: 05/14/93
 DATE RECEIVED: 05/14/93
 DATE EXTRACTED: 05/17/93
 DATE ANALYZED: 05/17/93
 INSTRUMENT ID: SVG1
 MARIIX: SOLID
 % MOISTURE: NA
 REPORT WT: WET
 SAMPLE VOL./WT.: 40g
 DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/18/93
 Chemist Date

00014

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305172-03A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 05/14/93
DATE EXTRACTED: 05/17/93
DATE ANALYZED: 05/17/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
JP4 Range	<10	10
JP5 Range	<10	10
Gasoline Range	<5	5
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		

CARBON NO. RANGE

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/18/93
Chemist Date

00015

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification No.: 1165


CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305172-05A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY
SOUTH SIDE

DATE SAMPLED: NA
DATE RECEIVED: 05/14/93
DATE EXTRACTED: 05/17/93
DATE ANALYZED: 05/17/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 40g

PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	91%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
 CARBON NO. RANGE	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-
 PEAK CARBON NO.	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen
Chemist



05/18/93

Date

00016

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305172-06A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY DUP
SOUTH SIDE

DATE SAMPLED: NA
DATE RECEIVED: 05/14/93
DATE EXTRACTED: 05/17/93
DATE ANALYZED: 05/17/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 40g .

PETROLEUM HYDROCARBONS

CONCENTRATION

	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	89%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

JP4 Range	--
JP5 Range	--
Gasoline Range	--
Diesel Range	--
Motor Oil Range	--

PEAK CARBON NO.

JP4 Range	--
JP5 Range	--
Gasoline Range	--
Diesel Range	--
Motor Oil Range	--

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/18/93
Chemist Date

00017

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305172-07A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 05/144/93
DATE EXTRACTED: 05/17/93
DATE ANALYZED: 05/17/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	95%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
CARBON NO. RANGE	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-
PEAK CARBON NO.	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/18/93
Chemist Date

00018

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-05-172
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: NA
TASK #: NA
P.O.#: 93EL-808A
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9305172-08A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 05/14/93
DATE EXTRACTED: 05/17/93
DATE ANALYZED: 05/17/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS	CONCENTRATION
	%
JP4 Range	NA
JP5 Range	NA
Gasoline Range	NA
Diesel Range	92%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	
CARBON NO. RANGE	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-
PEAK CARBON NO.	
JP4 Range	-
JP5 Range	-
Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Jeanette Chen *Jeanette Chen* 05/18/93
Chemist Date

00019

24 HRS TAT

CHIT # 93EL-808A



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
TEL: (916) 381-7953
FAX: (916) 381-4013

RESULTS TO

CLIENT Oakland NSC PWC
ADDRESS _____
CONTACT Mona Mc Carthy
PHONE _____

INVOICE TO

CLIENT _____
ADDRESS _____
CONTACT _____
P.O.# _____

SHIPPING METHOD

ELI ORDER # 93-05-172
SHELF # 63712
PROJECT REF # H1

PROJECT NAME

ANALYSIS REQUEST

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX				PRESERVATION				CONTAINER TYPE & NO.	Full TPH	BTEX	OIL & GREASE	CHLO HYDRO	LEAD (by AA)	TEMP	PH	CONDITION
				S	W	O	N	H	H	N	H									
1A	South Side	5/14/93	CAMP PARK BLDG # 732-2	X			X					1 BRASS TUBE	X	X	X	X	X			
2A	North Side	5/14/93	u u u	X			X					u u	X	X	X	X	X			

24 HOUR RUSH

SAMPLER'S SIGNATURE <i>James Penhune</i>	DATE/TIME 5/14/93	RELINQUISHED BY: <i>James Penhune</i>	DATE/TIME 5/14/93 1815	RECEIVED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME	RECEIVED BY LAB:	DATE/TIME



EUREKA LABORATORIES, INC.

Air Pollution
Chemical Analysis,
Research & Testing
Environmental Studies
Robotics
Toxicology

Corporate Office:
6790 FLORIN PERKINS ROAD
SACRAMENTO, CA 95828
TEL: (916) 381-7953
FAX: (916) 381-4013

Branch Office:
17403 N.E. 28th STREET
REDMOND, WA 98052
TEL: (206) 885-0284
FAX: (206) 885-0284

March 4, 1993

Ms. Mona McCarty
PUBLIC WORKS CENTER-SFBAY
Bldg. 794, Oakland Army Base
P.O. Box 24003
Oakland, CA 94623-1003

Reference - ELI Order #: 93-02-208
Contract: N62474-92-D-0430
P.O. #: 93E-629
Permit #:
Order #:
Location: Bldg 732 Camp Parks

Dear Ms. McCarty:

Eureka Laboratories, Inc. is pleased to submit a laboratory report for the subject project. This report presents analytical results for two (2) aqueous and three (3) solid samples -ONE WEEK RUSH- for the following analyses:

<u>ANALYSIS</u>	<u>METHOD</u>	<u>SAMPLE ID.</u>
Metals	EPA 6010 7421 7131 7470 7471	PIT 732-2 SURFACE & STOCKPILE 3A,B,C,D COMP.
Total Recoverable Petroleum Hydrocarbons	EPA 418.1	STOCKPILE 3A,B,C,D COMP.
Purgeable Aromatics	EPA 8020	PIT 732-2 SURFACE, PIT 732-1 SURFACE, STOCKPILE 1A,B,C,D COMP., STOCKPILE 2A,B,C,D COMP. & STOCKPILE 3A,B,C,D COMP.
Total Petroleum Hydrocarbons (Gasoline)	EPA 8015 (Modified)	same as above

MAR - 8 1993

Public Works Center-SFBAY
March 4, 1993
Page 2 of 2

ANALYSIS

METHOD

SAMPLE ID.

Chlorinated Hydrocarbons

EPA 8120

STOCKPILE 3A,B,C,D COMP.

Total Petroleum
Hydrocarbons
(Diesel & Motor Oil)

EPA 8015
(Modified)

PIT 732-2 SURFACE,
PIT 732-1 SURFACE,
STOCKPILE 1A,B,C,D COMP.,
STOCKPILE 2A,B,C,D COMP. &
STOCKPILE 3A,B,C,D COMP.

Sincerely,
EUREKA LABORATORIES, INC.

By: Shao-Pin Yo
Shao-Pin Yo, Ph.D.
QA/QC Director

SPY/pv

Attachment

MAR - 8 1993

METALS

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953

Order No.: 93-02-208
 Hazardous Waste Testing
 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-629
 ORDER #:
 PERMIT #:
 LOCATION: BLDG 732 CAMP PARKS

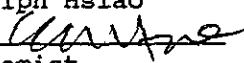
DATE SAMPLED: 02/23/1993
 DATE RECEIVED: 02/23/1992
 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 & V-30
 MATRIX: AQUEOUS
 % MOISTURE: NA
 REPORT WT.: NA
 SAMPLE VOL./WT.: 100ml

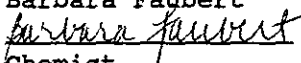
ELI SAMPLE ID: 9302208-01A
 CLIENT SAMPLE ID: PIT 732-2 SURFACE

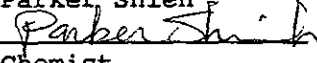
<u>METALS</u>	<u>RESULT</u> <u>[mg/L (ppm)]</u>	<u>D/L</u> <u>[mg/L (ppm)]</u>	<u>METHOD</u>
Chromium	0.007	0.004	6010
Nickel	<0.02	0.02	6010
Zinc	0.085	0.002	6010
Lead	0.054	0.006 *	7421
Cadmium	0.001	0.005	7131
Mercury	<0.001	0.001	7470

* Higher detection limit is due to high analyte concentration.

MAR - 8 1993

Ralph Hsiao

 Chemist

Barbara Faubert

 Chemist

Parker Shieh

 Chemist

March 4, 1993
 Date

METALS

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

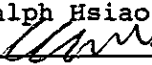
Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

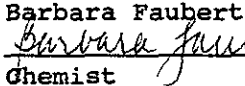
CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-629
ORDER #:
PERMIT #:
LOCATION: BLDG 732 CAMP PARKS

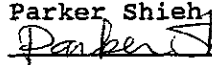
DATE SAMPLED: NA
DATE RECEIVED: 02/23/1992
DATE EXTRACTED: 02/25&26/1992
DATE ANALYZED: 02/26/1992 &
03/01/1993
INSTRUMENT ID: JA 9000, V400Z
& V-30
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA

ELI SAMPLE ID: 9302208-02A
CLIENT SAMPLE ID: METHOD BLANK

<u>METALS</u>	<u>RESULT</u> <u>[mg/L (ppm)]</u>	<u>D/L</u> <u>[mg/L (ppm)]</u>	<u>METHOD</u>
Chromium	<0.004	0.004	6010
Nickel	<0.02	0.02	6010
Zinc	<0.002	0.002	6010
Lead	<0.003	0.003	7421
Cadmium	<0.005	0.005	7131
Mercury	<0.001	0.001	7470

Ralph Hsiao

Chemist

Barbara Faubert

Chemist

Parker Shieh

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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
P.O. #: 93E-629
ORDER #:
PERMIT #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1992
DATE EXTRACTED: 02/25&26/1992
DATE ANALYZED: 02/26/1992 &
03/01/1993
INSTRUMENT ID: JA 9000, V400Z
& V-30
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 100ml

ELI SAMPLE ID: 9302208-08A
CLIENT SAMPLE ID: PIT 732-2 SURFACE
MATRIX SPIKE RECOVERY

<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>METHOD</u>
Chromium	86%	6010
Nickel	83%	6010
Zinc	90% *	6010
Lead	99% ***	7421
Cadmium	92% **	7131
Mercury	96% ***	7470

* Reagent spike set is used due to matrix interference.

** The matrix spike used in this analysis is from another sample of the same analytical batch. However, due to high analyte concentration I the matrix spike sample, the reagent spike sample is reported.

*** This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Ralph Hsiao

Ralph Hsiao
Chemist

Barbara Faubert

Barbara Faubert
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Parker Shieh

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 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-629
 ORDER #:
 PERMIT #:
 LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
 DATE RECEIVED: 02/23/1992
 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 & V-30
 MATRIX: AQUEOUS
 % MOISTURE: NA
 REPORT WT.: NA
 SAMPLE VOL./WT.: 100ml

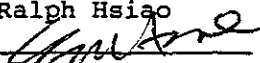
ELI SAMPLE ID: 9302208-09A
 CLIENT SAMPLE ID: PIT 732-2 SURFACE
 MATRIX SPIKE RECOVERY DUP.

<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>METHOD</u>
Chromium	89%	6010
Nickel	85%	6010
Zinc	104% *	6010
Lead	80% ***	7421
Cadmium	92% **	7131
Mercury	99% ***	7470

* Reagent spike set is used due to matrix interference.


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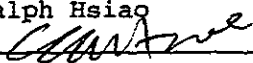
CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-629
 ORDER #:
 PERMIT #:
 LOCATION: BLDG 732 CAMP PARKS

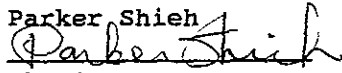
DATE SAMPLED: 02/23/1993
 DATE RECEIVED: 02/23/1992
 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 PE5100 & V-30
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT.: WET
 SAMPLE VOL./WT.: 1g & 0.2g

ELI SAMPLE ID: 9302208-05A
 CLIENT SAMPLE ID: STOCKPILE 3A,B,C,D COMP.

<u>METALS</u>	<u>RESULT</u> <u>[mg/Kg (ppm)]</u>	<u>D/L</u> <u>[mg/Kg (ppm)]</u>	<u>METHOD</u>
Chromium	20.7	0.5	6010
Nickel	28.2	2.0	6010
Zinc	39.2	0.5	6010
Lead	12.9	1.2 *	7421
Cadmium	0.19	0.05	7131
Mercury	<0.1	0.1	7471

* Higher detection limit is due to high analyte concentration.

Ralph Hsiao

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 Chemist
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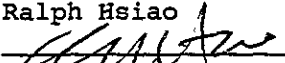
Order No.: 93-02-208
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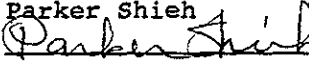
CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-629
 ORDER #:
 PERMIT #:
 LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
 DATE RECEIVED: 02/23/1992
 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 PE5100 & V-30
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT.: NA
 SAMPLE VOL./WT.: NA

ELI SAMPLE ID: 9302208-06A
 CLIENT SAMPLE ID: METHOD BLANK

<u>METALS</u>	<u>RESULT</u> <u>[mg/Kg (ppm)]</u>	<u>D/L</u> <u>[mg/Kg (ppm)]</u>	<u>METHOD</u>
Chromium	<0.5	0.5	6010
Nickel	<2.0	2.0	6010
Zinc	<0.5	0.5	6010
Lead	<0.3	0.3	7421
Cadmium	<0.05	0.05	7131
Mercury	<0.1	0.1	7471

Ralph Hsiao

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 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
 CONTRACT #: N62474-92-D-0430
 P.O. #: 93E-629
 ORDER #:
 PERMIT #:
 LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
 DATE RECEIVED: 02/23/1992
 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 & V-30
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT.: WET
 SAMPLE VOL./WT.: 1g & 0.2g


ELI SAMPLE ID: 9302208-08A
 CLIENT SAMPLE ID: MATRIX SPIKE RECOVERY *

<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>METHOD</u>
Chromium	114%	6010
Nickel	86%	6010
Zinc	98% **	6010
Lead	103% ***	7421
Cadmium	83% **	7131
Mercury	105% ▲	7471

- * This set of matrix spike is from another sample of the same matrix and of the same analytical batch.
- ** Reagent spike set is used due to matrix interference.
- *** Reagent spike was used due to high analyte concentration.
- ▲ The matrix spike used in this analysis is from another sample of the same analytical batch. However, due to matrix interference in the matrix spike sample, the reagent spike sample is reported.

Ralph Hsiao

 Chemist

Parker Shieh

 Chemist

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Order No.: 93-02-208
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 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: NA
CONTRACT #: N62474-92-D-0430	DATE RECEIVED: 02/23/1992
P.O. #: 93E-629	DATE EXTRACTED: 02/25&26/1992
ORDER #:	DATE ANALYZED: 02/26/1992 &
PERMIT #:	03/01/1993
LOCATION: BLDG 732 CAMP PARKS	INSTRUMENT ID: JA 9000, V400Z
	& V-30
	MATRIX: SOLID
ELI SAMPLE ID: 9302208-09A	% MOISTURE: NA
CLIENT SAMPLE ID: MATRIX SPIKE RECOVERY DUP. *	REPORT WT.: WET
	SAMPLE VOL./WT.: 1g & 0.2g


<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>METHOD</u>
Chromium	98%	6010
Nickel	89%	6010
Zinc	101% **	6010
Lead	105% ***	7421
Cadmium	82% **	7131
Mercury	111% ▲	7471

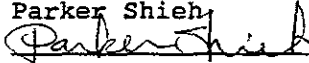
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Ralph Hsiao

 Chemist

Parker Shieh

 Chemist

March 4, 1993
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TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

EUREKA LABORATORIES, INC.
 6790 Florin-Perkins Road
 Sacramento, CA 95828
 (916) 381-7953

Order No.: 93-02-208
 Hazardous Waste Testing
 Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: 02/23/1993
CONTRACT: N62474-92-D-0430	DATE RECEIVED: 02/23/1993
P.O. #: 93E-629	DATE EXTRACTED: 02/24/1993
PERMIT #:	DATE ANALYZED: 02/26/1993
ORDER #:	INSTRUMENT ID: FTIR
LOCATION: BLDG 732 CAMP PARKS	MATRIX: SOLID
	% MOISTURE: NA
	REPORT WT.: NA
	SAMPLE VOL./WT.: 25g
	DILUTION FACTOR: 1

<u>ELI</u> <u>SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>CONCENTRATION</u> <u>[mg/Kg (ppm)]</u>	<u>D/L</u> <u>[mg/Kg (ppm)]</u>
9302208-05A	STOCKPILE 3A,B,C,D COMP.	32	4
9302208-06A	METHOD BLANK	<4	4
9302208-08A	MATRIX SPIKE RECOVERY	105% *	
9302208-09A	MATRIX SPIKE RECOVERY DUPLICATE	105% *	
9302208-10A	REAGENT SPIKE RECOVERY	105%	
9302208-11A	REAGENT SPIKE RECOVERY DUPLICATE	106%	

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Ren Zheng
 Ren Zheng, Ph.D.

Chemist

March 4, 1993

Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 100ml
DILUTION FACTOR: 50

ELI SAMPLE ID: 9302208-01A
SAMPLE ID: PIT 732-2 SURFACE

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION * LIMIT ug/L (ppb)
V1	Benzene	<25	25
V2	Chlorobenzene	<25	25
V3	1,2-Dichlorobenzene	<25	25
V4	1,3-Dichlorobenzene	<25	25
V5	1,4-Dichlorobenzene	<25	25
V6	Ethyl benzene	196	25
V7	Toluene	118	25
V8	Xylenes (dimethylbenzenes)	939	25

Note - All positively indentified compounds were second column or second detector confirmed.

* Higher detection limit is due to high analyte concentration.

Huey-Chen Chow
Huey-Chen Chow
Chemist

March 4, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

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P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-02A
SAMPLE ID: PIT 732-1 SURFACE

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	0.6	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes (dimethylbenzenes)	2.3	0.5

Note - All positively indentified compounds were second column or second detector confirmed.

Huey-Chen Chow
Huey-Chen Chow
Chemist

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ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

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LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-06A
SAMPLE ID: METHOD BLANK

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<0.5	0.5
V2	Chlorobenzene	<0.5	0.5
V3	1,2-Dichlorobenzene	<0.5	0.5
V4	1,3-Dichlorobenzene	<0.5	0.5
V5	1,4-Dichlorobenzene	<0.5	0.5
V6	Ethyl benzene	<0.5	0.5
V7	Toluene	<0.5	0.5
V8	Xylenes (dimethylbenzenes)	<0.5	0.5

Huey-Chen Chow

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P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-10A
SAMPLE ID: REAGENT SPIKE RECOVERY *

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	107%
V2	Chlorobenzene	92%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	104%
V7	Toluene	102%
V8	Xylenes(dimethylbenzenes)	94%

* Reagent spike set is used due to matrix interference.

Huey-Chen, Chow

Huey-Chen, Chow
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ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

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CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-11A
SAMPLE ID: REAGENT SPIKE RECOVERY DUPLICATE *

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	104%
V2	Chlorobenzene	103%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	105%
V7	Toluene	103%
V8	Xylenes(dimethylbenzenes)	96%

* Reagent spike set is used due to matrix interference.

Huey-Chen Chow
Huey-Chen Chow
Chemist

March 4, 1993
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ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

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Order No.: 93-02-208
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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-03A
SAMPLE ID: STOCKPILE 1A,B,C,D COMP.

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (dimethylbenzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
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LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-04A
SAMPLE ID: STOCKPILE 2A,B,C,D COMP.

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes(dimethylbenzenes)	<1	1

Huey-Chen Chow
Huey-Chen Chow
Chemist

March 4, 1993
Date

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-05A
SAMPLE ID: STOCKPILE 3A,B,C,D COMP.

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	159	1
V7	Toluene	<1	1
V8	Xylenes(dimethylbenzenes)	440	1

Note - All positively indentified compounds were second column or second detector confirmed.

Huey-Chen, Chow
Huey-Chen Chow
Chemist

March 4, 1993
Date

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Purgeable Aromatics, EPA Method 8020

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ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-06A
SAMPLE ID: METHOD BLANK

COMP. No.	COMPOUND	ug/L (ppb)	DETECTION LIMIT ug/L (ppb)
V1	Benzene	<1	1
V2	Chlorobenzene	<1	1
V3	1,2-Dichlorobenzene	<1	1
V4	1,3-Dichlorobenzene	<1	1
V5	1,4-Dichlorobenzene	<1	1
V6	Ethyl benzene	<1	1
V7	Toluene	<1	1
V8	Xylenes (dimethylbenzenes)	<1	1

Huey-Chen Chow

Huey-Chen Chow
Chemist

March 4, 1993
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CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-08A
SAMPLE ID: MATRIX SPIKE RECOVERY *

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	93%
V2	Chlorobenzene	84%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	95%
V7	Toluene	104%
V8	Xylenes(dimethylbenzenes)	85%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
Huey-Chen Chow
Chemist

March 4, 1993
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Certification: 1165

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CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: NA
DATE ANALYZED: 02/24/1993
INSTRUMENT ID: VG-4
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-09A
SAMPLE ID: MATRIX SPIKE RECOVERY DUPLICATE *

COMP. No.	COMPOUND	% SPIKE RECOVERY
V1	Benzene	77%
V2	Chlorobenzene	82%
V3	1,2-Dichlorobenzene	-
V4	1,3-Dichlorobenzene	-
V5	1,4-Dichlorobenzene	-
V6	Ethyl benzene	92%
V7	Toluene	97%
V8	Xylenes(dimethylbezenes)	84%

* This set of matrix spike is from another sample of the same matrix and of the same analytical batch.

Huey-Chen Chow
Huey-Chen Chow
Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 20ul
DILUTION FACTOR: 250

ELI SAMPLE ID: 9302208-01A
SAMPLE ID: PIT 732-2 SURFACE

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT *</u> [ug/L (ppb)]
Gasoline Range	13500	5000
<u>CARBON NO. RANGE</u>		
Gasoline Range	C6-C13	
<u>PEAK CARBON NO.</u>		
Gasoline Range	C7	

* Higher detection limit is due to high analyte concentration.

Jeannette Chen

Jeannette Chen
Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

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6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: 5ml
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-02A
SAMPLE ID: PIT 732-1 SURFACE

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT</u> [ug/L (ppb)]
Gasoline Range	65	20
<u>CARBON NO. RANGE</u>		
Gasoline Range	C6-C13	
<u>PEAK CARBON NO.</u>		
Gasoline Range	C7	

Jeannette Chen
Jeannette Chen
Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS-CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-06A
SAMPLE ID: METHOD BLANK

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT</u> [ug/L (ppb)]
Gasoline Range	<20	20
<u>CARBON NO. RANGE</u>		
Gasoline Range	-	
<u>PEAK CARBON NO.</u>		
Gasoline Range	-	

Jeannette Chen


Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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6790 Florin-Perkins Road
Sacramento, CA 95828
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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-10A
SAMPLE ID: REAGENT SPIKE RECOVERY *

<u>PETROLEUM HYDROCARBONS</u>	<u>% SPIKE RECOVERY</u>
Gasoline Range	110%
<u>CARBON NO. RANGE</u>	
Gasoline Range	-
<u>PEAK CARBON NO.</u>	
Gasoline Range	-

* Reagent spike set is used due to matrix interference.

Jeanette Chen

Jeanette Chen
Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-11A

SAMPLE ID: REAGENT SPIKE RECOVERY DUP. * DILUTION FACTOR: 1

<u>PETROLEUM HYDROCARBONS</u>	<u>% SPIKE RECOVERY</u>
Gasoline Range	90%
<u>CARBON NO. RANGE</u>	
Gasoline Range	-
<u>PEAK CARBON NO.</u>	
Gasoline Range	-

* Reagent spike set is used due to matrix interference.

Jeannette Chen

Jeannette Chen
Chemist

March 4, 1993

Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 10g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-03A
SAMPLE ID: STOCKPILE 1A,B,C,D COMP.

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT</u> [ug/L (ppb)]
Gasoline Range	<10	10
<u>CARBON NO. RANGE</u>		
Gasoline Range	-	
<u>PEAK CARBON NO.</u>		
Gasoline Range	-	

Jeannette Chen

Jeannette Chen
Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

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6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 10g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-04A
SAMPLE ID: STOCKPILE 2A,B,C,D COMP.

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT</u> [ug/L (ppb)]
Gasoline Range	<10	10
<u>CARBON NO. RANGE</u>		
Gasoline Range	-	
<u>PEAK CARBON NO.</u>		
Gasoline Range	-	

Jeannette Chen

Jeannette Chen
Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

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Certification: 1165

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CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 10g
DILUTION FACTOR: 125

ELI SAMPLE ID: 9302208-05A
SAMPLE ID: STOCKPILE 3A,B,C,D COMP.

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT *</u> [ug/L (ppb)]
Gasoline Range	46300	2500
<u>CARBON NO. RANGE</u>		
Gasoline Range	C6-C13	
<u>PEAK CARBON NO.</u>		
Gasoline Range	C7	

* Higher detection limit is due to high analyte concentration.

Jeannette Chen


Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-06A
SAMPLE ID: METHOD BLANK

<u>PETROLEUM HYDROCARBONS</u>	<u>CONCENTRATION</u> [ug/L (ppb)]	<u>DETECTION LIMIT</u> [ug/L (ppb)]
Gasoline Range	<10	10
<u>CARBON NO. RANGE</u>		
Gasoline Range	-	
<u>PEAK CARBON NO.</u>		
Gasoline Range	-	

Jeannette Chen
Jeannette Chen
Chemist

March 4, 1993
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P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

ELI SAMPLE ID: 9302208-08A
SAMPLE ID: STOCKPILE 1A,B,C,D COMP.
MATRIX SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 10g
DILUTION FACTOR: 1

PETROLEUM HYDROCARBONS % SPIKE RECOVERY

Gasoline Range 106%

CARBON NO. RANGE

Gasoline Range -

PEAK CARBON NO.

Gasoline Range -

Jeannette Chen
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Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: NA
CONTRACT: N62474-92-D-0430	DATE RECEIVED: 02/23/1993
P.O. #: 93E-629	DATE EXTRACTED: 02/26/1993
PERMIT #:	DATE ANALYZED: 02/26/1993
ORDER #:	INSTRUMENT ID: SVG-7
LOCATION: BLDG 732 CAMP PARKS	MATRIX: SOLID
	% MOISTURE: NA
ELI SAMPLE ID: 9302208-09A	REPORT WT.: WET
SAMPLE ID: STOCKPILE 1A,B,C,D COMP.	SAMPLE VOL./WT.: 10g
MATRIX SPIKE RECOVERY DUP.	DILUTION FACTOR: 1

PETROLEUM HYDROCARBONS % SPIKE RECOVERY

Gasoline Range 94%

CARBON NO. RANGE

Gasoline Range -

PEAK CARBON NO.

Gasoline Range -

Jeannette Chen


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CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

ELI SAMPLE ID: 9302208-10A
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

PETROLEUM HYDROCARBONS % SPIKE RECOVERY

Gasoline Range 110%

CARBON NO. RANGE

Gasoline Range -

PEAK CARBON NO.

Gasoline Range -

Jeannette Chen
Jeannette Chen
Chemist

March 4, 1993
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TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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Sacramento, CA 95828
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Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: NA
CONTRACT: N62474-92-D-0430	DATE RECEIVED: 02/23/1993
P.O. #: 93E-629	DATE EXTRACTED: 02/26/1993
PERMIT #:	DATE ANALYZED: 02/26/1993
ORDER #:	INSTRUMENT ID: SVG-7
LOCATION: BLDG 732 CAMP PARKS	MATRIX: SOLID
	% MOISTURE: NA
ELI SAMPLE ID: 9302208-11A	REPORT WT.: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP.	SAMPLE VOL./WT.: NA
	DILUTION FACTOR: 1

<u>PETROLEUM HYDROCARBONS</u>	<u>% SPIKE RECOVERY</u>
Gasoline Range	90%
<u>CARBON NO. RANGE</u>	
Gasoline Range	-
<u>PEAK CARBON NO.</u>	
Gasoline Range	-

Jéannette Chen

Jéannette Chen
Chemist

March 4, 1993
Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953


Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 03/01/1993
INSTRUMENT ID: SVG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 30g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-05A
CLIENT SAMPLE ID: STOCKPILE 3A,B,C,D COMP.

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<15	15
1,2-Dichlorobenzene	<0.8	0.8
1,3-Dichlorobenzene	<0.8	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	<0.8	0.8
Tetrachlorobenzenes	<0.8	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	<0.8	0.8

Samir Samaan 

Chemist

March 4, 1993

Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

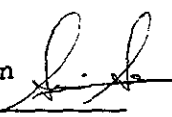
Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 03/01/1993
INSTRUMENT ID: SVG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-06A
CLIENT SAMPLE ID: METHOD BLANK

COMPOUND	ug/Kg (ppb)	DETECTION LIMIT ug/Kg (ppb)
Benzyl Chloride	<1.5	1.5
2-Chloronaphthalene	<15	15
1,2-Dichlorobenzene	<0.8	0.8
1,3-Dichlorobenzene	<0.8	0.8
1,4-Dichlorobenzene	<1.5	1.5
Hexachlorobenzene	<0.8	0.8
Hexachlorobutadiene	<0.8	0.8
Hexachlorocyclohexane	<0.8	0.8
Hexachlorocyclopentadiene	<0.8	0.8
Hexachloroethane	<0.8	0.8
Tetrachlorobenzenes	<0.8	0.8
1,2,4-Trichlorobenzene	<4	4
Pentachloroethane	<0.8	0.8

Samir Samaan 

Chemist

March 4, 1993

Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

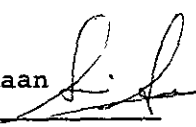
CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 03/01/1993
INSTRUMENT ID: SVG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-10A
CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY *

COMPOUND	SPIKE RECOVERY
Benzyl Chloride	-
2-Chloronaphthalene	95%
1,2-Dichlorobenzene	84%
1,3-Dichlorobenzene	88%
1,4-Dichlorobenzene	-
Hexachlorobenzene	71%
Hexachlorobutadiene	90%
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	107%
Tetrachlorobenzenes	-
1,2,4-Trichlorobenzene	90%
Pentachloroethane	140%

* Reagent spike set is used due to matrix interference.

Samir Samaan 

Chemist

March 4, 1993

Date

CHLORINATED HYDROCARBONS
EPA Method 8120

EUREKA LABORATORIES, INC.
6790 Florin-Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

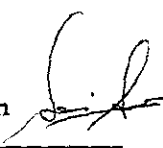
DATE SAMPLED: NA
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/26/1993
DATE ANALYZED: 03/01/1993
INSTRUMENT ID: SVG-1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA

ELI SAMPLE ID: 9302208-11A

CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY DUP. * DILUTION FACTOR: 1

COMPOUND	SPIKE RECOVERY
Benzyl Chloride	-
2-Chloronaphthalene	93%
1,2-Dichlorobenzene	84%
1,3-Dichlorobenzene	88%
1,4-Dichlorobenzene	-
Hexachlorobenzene	71%
Hexachlorobutadiene	90%
Hexachlorocyclohexane	-
Hexachlorocyclopentadiene	-
Hexachloroethane	106%
Tetrachlorobenzenes	-
1,2,4-Trichlorobenzene	90%
Pentachloroethane	139%

* Reagent spike set is used due to matrix interference.

Samir Samaan 

Chemist

March 4, 1993

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION:
ELI SAMPLE ID: 9302208-02A
FILE ID: NA
SAMPLE ID: PIT 732-1 SURFACE

DATE SAMPLED: 02/23/93
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1000ml
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
Gasoline Range	NA	NA
Diesel Range	<.2	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Hydrocarbons in the diesel range are detected in the sample.
However, their patterns are different from our standard.

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION:
ELI SAMPLE ID: 9302208-01A
FILE ID: NA
SAMPLE ID: PIT 732-2 SURFACE

DATE SAMPLED: 02/23/93
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: AQUEOUS
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: 1000ml
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
Gasoline Range	NA	NA
Diesel Range	36.4	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons	36.4	
CARBON NO. RANGE		
Gasoline Range		
Diesel Range	C12-C18	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range		
Diesel Range	C16	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION:
ELI SAMPLE ID: 9302208-03A
FILE ID: NA
SAMPLE ID: STOCKPILE 1A,B,C,D COMP.

DATE SAMPLED: 02/23/93
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
Gasoline Range	NA	NA
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION:
ELI SAMPLE ID: 9302208-04A
FILE ID: NA
SAMPLE ID: STOCKPILE 2A,B,C,D COMP.

DATE SAMPLED: 02/23/93
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
Gasoline Range	NA	NA
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION:
ELI SAMPLE ID: 9302208-05A
FILE ID: NA
SAMPLE ID: STOCKPILE 3A,B,C,D COMP.

DATE SAMPLED: 02/23/93
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
Gasoline Range	NA	NA
Diesel Range	13.5	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons	13.5	
CARBON NO. RANGE		
Gasoline Range	-	
Diesel Range	C12-C18	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range	-	
Diesel Range	C16	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-06A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 0.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/L)	DETECTION LIMIT ppm (mg/L)
Gasoline Range	NA	NA
Diesel Range	<.2	.2
Motor Oil Range	<.5	.5
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-10A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

Gasoline Range	NA
Diesel Range	113%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Reagent spike set is used due to insufficient sample provided.

Susie Yang

03/03/93

Chemist

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-11A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: NA
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION
%

Gasoline Range	NA
Diesel Range	112%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Reagent spike set is used due to insufficient sample provided.

Susie Yang

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-12A
FILE ID: NA
SAMPLE ID: METHOD BLANK

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA
DILUTION FACTOR: 1.00

PETROLEUM HYDROCARBONS	CONCENTRATION ppm (mg/Kg)	DETECTION LIMIT ppm (mg/Kg)
Gasoline Range	NA	NA
Diesel Range	<10	10
Motor Oil Range	<25	25
Total Petroleum Hydrocarbons		
CARBON NO. RANGE		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	
PEAK CARBON NO.		
Gasoline Range	-	
Diesel Range	-	
Motor Oil Range	-	

NA = Not Available

Jeanette Chen

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-14A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY
STOCKPILE 1A,B,C,D COMP.

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g

PETROLEUM HYDROCARBONS

CONCENTRATION
%

Gasoline Range	NA
Diesel Range	114%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Susie Yang

Chemist

03/03/93

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-15A
FILE ID: NA
SAMPLE ID: MATRIX SPIKE RECOVERY DUP
STOCKPILE 1A,B,C,D COMP.

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: SOLID
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: 20g

PETROLEUM HYDROCARBONS

CONCENTRATION
%

Gasoline Range	NA
Diesel Range	115%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Susie Yang
Chemist

03/03/93
Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-16A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION

Gasoline Range	NA
Diesel Range	102%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Susie Yang

03/03/93

Chemist

Date

TOTAL PETROLEUM HYDROCARBONS
Modified EPA Method 8015(GC-FID)

EUREKA LABORATORIES, INC.
6790 Florin Perkins Road
Sacramento, CA 95828
(916)381-7953

Order No.: 93-02-208
Hazardous Waste Testing
Certification No.: 1165

CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT #: N62474-92-D-0430
PROJECT: -
TASK #: NA
P.O.#: 93E-629
SAMPLE LOCATION: NA
ELI SAMPLE ID: 9302208-17A
FILE ID: NA
SAMPLE ID: REAGENT SPIKE RECOVERY DUP

DATE SAMPLED: NA
DATE RECEIVED: 02/23/93
DATE EXTRACTED: 02/24/93
DATE ANALYZED: 02/26/93
INSTRUMENT ID: SVG1
MATRIX: NA
% MOISTURE: NA
REPORT WT: WET
SAMPLE VOL./WT.: NA

PETROLEUM HYDROCARBONS

CONCENTRATION
%

Gasoline Range	NA
Diesel Range	102%
Motor Oil Range	NA
Total Petroleum Hydrocarbons	

CARBON NO. RANGE

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

PEAK CARBON NO.

Gasoline Range	-
Diesel Range	-
Motor Oil Range	-

NA = Not Available

Susie Yang

Chemist

03/03/93

Date

EXPIDITE ONLY

PA 10F2



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
TEL: (916) 381-7953
FAX: (916) 381-4013

RESULTS TO

CLIENT NAVY PWC
ADDRESS _____
CONTACT PACIFICO
PHONE (510) 302-5483

INVOICE TO

CLIENT _____
ADDRESS MONA McCARNY
CONTACT _____
P.O.# _____

STOCK #2
SHIPPING METHOD TO BE STOCK #3
30 TO BE STOCK #3
ON PAGE 2

ELI ORDER # 93-02-208
SHELF # 6CV19
PROJECT REF # 93E-629

PROJECT NAME CAMP PARKS

ANALYSIS TPH-DIESEL
TPH-GAS BTEX
TOTAL REC PH
CHLOR HYDROCARBONS
Pb, Toluene, Cd, Hg, Zn

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	TPH-DIESEL	TPH-GAS BTEX	TOTAL REC PH	CHLOR HYDROCARBONS	Pb, Toluene, Cd, Hg, Zn	COMPOSITE 1A, B, C, D	COMPOSITE 2A, B, C, D	COMPOSITE 3A, B, C, D
				S O I L	W A T E R	S L U R R Y	N O N	H O N	H O S									
1A	PIT 732-2 SURFACE	2-23-93 1125	BLDG 732 CAMP PARKS	X			X			3x 40ML VOA 3x 12 AMBER 1x 12 PLASTIC	X	X	X	X				
2A	PIT 732-1 SURFACE	2-23-93 1145		X						1x 12 AMBER 3x 40ML VOA	X	X						
3A	STOCKPILE 1A	2-23-93 1215		X						1x 500ML GLASS	X	X			X			
	1B	2-23-93 1215									X	X			X			
	1C	2-23-93 1217									X	X			X			
	1D	2-23-93 1217									X	X			X			
4A	STOCKPILE 2A	2-23-93 1220									X	X			X			
	2B	2-23-93 1220									X	X			X			
	2C	2-23-93 1223									X	X			X			
	2D	2-23-93 1225									X	X			X			

EXPIDITE

SAMPLER'S SIGNATURE <u>R. Morgan</u>	DATE/TIME 2-23-93 1300	RELINQUISHED BY: <u>R. Morgan</u>	DATE/TIME 2-23-93 1700	RECEIVED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME	RECEIVED BY LAB: <u>K. Franceschi</u>	DATE/TIME 2/23/93 1700

EXPEDITE ONLY

PAGE 2



EUREKA LABORATORIES, INC.

6790 FLORIN PERKINS ROAD
TEL: (916) 381-7953
FAX: (916) 381-4013

RESULTS TO

CLIENT: MARY PWE
ADDRESS:
CONTACT: PACIFICO
PHONE:

INVOICE TO

CLIENT:
ADDRESS: MONA MCCARTHY
CONTACT:
P.O. #:

SHIPPING METHOD

ELI ORDER #

93-02-208

SHELF #

GCV19
GCV8/ARGO

PROJECT REF #

93E-629

PROJECT NAME

CAMP PARKS

ANALYSIS

ELI ID

CLIENT SAMPLE ID

DATE/TIME OF SAMPLING

SAMPLE LOCATION

MATRIX

PRESERVATION

CONTAINER TYPE & NO.

SOIL
S
O
I
L
L
E
R

NON

NO

NO

H2SO4

TPH-DIESEL

TPH-GAS BTX

TOTAL REC PH

CHLOR HYDROCARBONS

Pb, Total Cr, Cd, Hg, Zn, Ni

COMPOSITE 3A, 3B, 3C, 3D

STOCKPILE 3A

2-23-93
1230

BLDG 732
CAMP PARKS

X

X

17.500ML GLASS

X

X

X

X

X

X

3B

2-23-93
1230

↓

↓

↓

↓

X

X

X

X

X

X

3C

2-23-93
1233

↓

↓

↓

↓

X

X

X

X

X

X

3D

2-23-93
1233

↓

↓

↓

↓

X

X

X

X

X

X

EXPEDITE

SAMPLER'S SIGNATURE

R. Morgan

DATE/TIME

2-23-93
1300

RELINQUISHED BY:

R. Morgan

DATE/TIME

2-23-93
1700

RECEIVED BY:

DATE/TIME

RECEIVED BY:

DATE/TIME

RELINQUISHED BY:

DATE/TIME

RECEIVED BY LAB:

K. Franceschi

DATE/TIME

2/23/93
1700



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

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

DATE: MARCH 25, 1993
 OUR INVOICE NO.: 0393-168
 OUR JOB NO.: 12161/12186/12188
 12392/12404
 CUSTOMER'S P.O. NO.: N68378-93-M-8830
 CUSTOMER'S JOB NO.: 58-755A
 FEDERAL I.D. NO.: 94-1151921

PUBLIC WORKS CENTER - SFBAY
 P. O. BOX 24003
 BLDG. 794 - OAKLAND ARMY BASE
 OAKLAND, CALIFORNIA 94623-1003
 ATTN: CODE 221D

FURNISHED NECESSARY LABOR, MATERIAL AND EQUIPMENT TO PERFORM FUEL AND TANK DISPOSAL AS DIRECTED.

WORK STARTED: 02/16/93, U.S. ARMY RESERVE CENTER (PARKS RFTA)
 BLDG. 730
 DUBLIN, CALIFORNIA

WORK COMPLETED: 03/22/93, OAKLAND, CALIFORNIA

BID PRICE	\$ 12,870.00
CHANGE ORDER FOR ADDITIONAL LIQUIDS & PIPING	3,450.00

TOTAL INVOICE	\$ 16,320.00
	=====

F.O.B.: DESTINATION
 P.O.C.: WILL HARRIS
 TERMS : 1/2% 10 DAYS, NET 30

RECEIVED BY
 MAR 30 9:27



220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

FEBRUARY 26, 1993

H & H Ship Service Company hereby certifies to PUBLIC WORKS CENTER that:

1. The storage tank(s), size(s) ONE (1) 18,000 GALS.
removed from the U.S. ARMY RESERVICE CENTER (PARKS RFTA)
facility at BUILDING 730
DUBLIN, CALIFORNIA

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

2. The following tank(s), H & H Job Number 12186
have been steam cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.
3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA.
4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.
5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

Very Truly Yours,


Cleveland Valrey
Operations Coordinator

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

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

FEBRUARY 26, 1993

H & H Ship Service Company hereby certifies to PUBLIC WORKS CENTER that:

1. The storage tank(s), size(s) ONE (1) 1,000 GALS.

removed from the U.S. ARMY RESERVICE CENTER (PARKS RFTA)

facility at BUILDING 730

DUBLIN, CALIFORNIA

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

2. The following tank(s), H & H Job Number 12188

have been steam cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA.

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

5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

Very Truly Yours,


Cleveland Valley
Operations Coordinator



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

220 CHINA BASIN, SAN FRANCISCO, CA 94107 . DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

MARCH 22, 1993


H & H Ship Service Company hereby certifies to NAVY PUBLIC WORKS
 that:

- The ASSOCIATED STEEL PIPING
 removed from the U.S. ARMY RESERVE CENTER
 facility at BUILDING 730, PARKS RFTA
DUBLIN, CALIFORNIA

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

- The following associated piping (s), H & H Job Number 12404
 have been steam cleaned, rendered harmless and disposed of as
 scrap metal.
- Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA
- The foregoing method of destruction/disposal is suitable for the
 materials involved, and fully complies with all applicable
 regulatory and permit requirements.
- Should you require further information, please call
 (415) 543-4835 or (415) 905-5510.

Very Truly Yours,


 Cleveland Varrey
 Operations Coordinator

92215364
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7373

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A 0 2 1 0 4 9 0 4 0 5		Manifest Document No. 0 0 0 0 6		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.											
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215364													
4. Generator's Phone (206) 281-3142 Attn: Mr. Carlito Hildago						B. State Generator's ID													
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number C A 0 0 0 4 7 7 1 1 6 8		C. State Transporter's ID 402000													
7. Transporter 2 Company Name						D. Transporter's Phone (415) 543-4835													
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						10. US EPA ID Number C A 0 0 0 4 7 7 1 1 6 8		G. State Facility's ID C A 0 0 0 4 7 7 1 1 6 8											
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							
RESIDUE DIESEL TANK NON-RCRA HAZARDOUS WASTE SOLID						No.		Type		Quantity		Wt/Vol		State					
						0 0 1		T P 0 1		0 0 0		P		512					
RESIDUE ASSOCIATED PIPING NON-RCRA HAZARDOUS WASTE SOLID						0 0 1		B A 0 0 8 0 0		0 0 0		P		State 513					
														EPA/Other					
17. Additional Descriptions for Materials Listed Above EMPTY 4,000 gallon tank last containing diesel. Tank inerted with dry ice for transport. PROFILE #A2507						K. Handling Codes for Wastes Listed Above 01		L. 01											
15. Special Handling Instructions and Additional Information JOB #12188 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR													JOB SITE: U.S. ARMY RESERVE CENTER Building 730, PARKS RFTA Dublin, California						
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 RONALD WEIAND				Signature <i>Ronald Weiand</i>				Month 0 2		Day 2 3		Year 9 1							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name NORMAN L. BERG				Signature <i>Norman L. Berg</i>				Month 0 2		Day 2 3		Year 9 1	
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>Charles Vance</i>				Signature <i>Charles Vance</i>				Month 0 2		Day 2 3		Year 9 1							

DO NOT WRITE BELOW THIS LINE.

92215367
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7553

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA0210490405		Manifest Document No. 00007		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.											
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000				A. State Manifest Document Number 92215367		B. State Generator's ID													
4. Generator's Phone (206) 281-3142 Attn: Mr. Carlito Hildago				C. State Transporter's ID 401994		D. Transporter's Phone (415) 543-4835													
5. Transporter 1 Company Name H & H Ship Service Company		6. US EPA ID Number CAD004771168		E. State Transporter's ID		F. Transporter's Phone													
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID CAD004771168		H. Facility's Phone (415) 543-4835													
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107				10. US EPA ID Number CAD004771168															
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RESIDUE DIESEL TANK NON-RCRA HAZARDOUS WASTE SOLID						12. Containers		13. Total		14. Unit		15. Waste Number							
						No.		Type		Quantity		Wt/Vol		State		EPA/Other			
						001		TP		18000		P							
b.												State							
c.												EPA/Other							
d.												State							
16. Additional Descriptions for Materials Listed Above EMPTY 18,000 gallon tank last containing diesel tank inerted with dry ice for transport. PROFILE #A2507						17. Handling Codes for Wastes Listed Above 01													
15. Special Handling Instructions and Additional Information JOB #12186 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR										JOB SITE: U.S. ARMY RESERVE CENTER Building 730, (PARKS RFTA) Dublin, California									
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 RONALD WEIDAND				Signature <i>Ronald Weidand</i>				Month 02		Day 23		Year 99							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARTIN J. COSTELLO				Signature <i>Martin J. Costello</i>				Month 02		Day 23		Year 99							
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year							
19. Discrepancy Indication Space																			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Cleveland Wake										Signature <i>Cleveland Wake</i>				Month 02		Day 23		Year 99	

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7551

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A 0 2 1 0 4 9 0 4 0 5		Manifest Document No. 0 0 0 0 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215278							
4. Generator's Phone (206) 281-3142 Attn: Mr. Carlito Hildago						B. State Generator's ID							
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number C A D P D 4 7 7 1 1 6 8		C. State Transporter's ID 402008							
7. Transporter 2 Company Name						D. Transporter's Phone (415) 543-4835							
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						10. US EPA ID Number C A D P D 4 7 7 1 1 6 8							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID						12. Containers No. Type 0 0 1 T T		13. Total Quantity 0 5 0 0 0		14. Unit Wt/Vol G		4. Waste Number State 134,241 EPA/Other	
b.										State		EPA/Other	
c.										State		EPA/Other	
d.										State		EPA/Other	
J. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER PROFILE #A2506						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.							
15. Special Handling Instructions and Additional Information JOB #12161 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR JOB SITE: U.S. ARMY RESERVE CENTER Building 730, PARKS RFTA Dublin, California													
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 RONALD WEIAND 124TH ARCOM						Signature <i>Ronald Weiand</i>			Month Day Year 0 2 1 6 9 3				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ESTEBAN PENALVER						Signature <i>Esteban Penalver</i>			Month Day Year 0 2 1 6 9 3				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature			Month Day Year				
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Rashan Shackle						Signature <i>Rashan Shackle</i>			Month Day Year 0 2 1 6 9 3				

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1 800 424 6002. PLEASE PRINT CLEARLY.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 02110490405		Manifest Document No. 0100002		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215279							
4. Generator's Phone (206) 281-3142 Attn: Mr Carlito Hildago						B. State Generator's ID							
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number CAD0004771168		C. State Transporter's ID 402005							
7. Transporter 2 Company Name						D. Transporter's Phone (415) 543-4835							
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						8. US EPA ID Number CAD0004771168		E. State Transporter's ID					
						F. Transporter's Phone		G. State Facility's ID CAD0004771168					
						H. Facility's Phone (415) 543-4835							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number State 134, 241 EPA/Other	
						0 0 1 T T		0 5 0 0 0 0		G			
b.										State EPA/Other			
c.										State EPA/Other			
d.										State EPA/Other			
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.						K. Handling Codes for Wastes Listed Above 01							
15. Special Handling Instructions and Additional Information JOB #12161 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR						JOB SITE: U.S. ARMY RESERVE CENTER Building 730, PARKS RFTA Dublin, California							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: RONALD WEIAND 124TH ARCOM Signature: <i>Ronald Weiand</i>						Month		Day		Year		0 2 1 6 9 3	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: ROBERT S. HANSEN Signature: <i>Robert Hansen</i>						Month		Day		Year		0 2 1 6 9 3	
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>Roshan Shalloe</i> Signature: <i>Roshan Shalloe</i>						Month		Day		Year		0 2 1 6 9 3	

DO NOT WRITE BELOW THIS LINE.

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

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

GENERATOR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 0210490405			Manifest Document No. 000003			2. Page 1 of 1			Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000							A. State Manifest Document Number 92215280									
4. Generator's Phone (206) 281-3142 Attn: Mr. Carlito Hildaço							B. State Generator's ID									
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number CA 0004771168			C. State Transporter's ID 402001			D. Transporter's Phone (415) 543-4835						
7. Transporter 2 Company Name							8. US EPA ID Number									
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107							10. US EPA ID Number CA 0004771168			G. State Facility's ID			H. Facility's Phone (415) 543-4835			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID					12. Containers		13. Total		14. Unit		15. Waste Number					
					No. Type		Quantity		Wt/Vol		State					
					0 0 1 T T		0 5 0 0 0		G		34,241					
b.											EPA/Other					
c.											EPA/Other					
d.											EPA/Other					
16. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER PROFILE #A2506							K. Handling Codes for Wastes Listed Above 01									
15. Special Handling Instructions and Additional Information JOB #12161 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR							JOB SITE: U.S. ARMY RESERVE CENTER Building 730, PARKS RFTA Dublin, California									
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 RONALD WEIBND 124TH ARCOM				Signature <i>Ronald Weibnd</i>				Month 0 2		Day 1 6		Year 9 3				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name NORWAN L. BERG				Signature <i>Norwan L. Berg</i>				Month 0 2		Day 1 6		Year 9 3				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year				
19. Discrepancy Indication Space																
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Rashan Shachlov							Signature <i>Rashan Shachlov</i>				Month 0 2		Day 1 6		Year 9 3	

DO NOT WRITE BELOW THIS LINE.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 02110490405 000004		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215281					
4. Generator's Phone (206) 281-3142 Attn: Mr. Carlito Hildago						B. State Generator's ID					
5. Transporter 1 Company Name H & H Ship Service Company						C. State Transporter's ID 402004					
6. US EPA ID Number CA 0004771168						D. Transporter's Phone (415) 543-4835					
7. Transporter 2 Company Name						E. State Transporter's ID					
8. US EPA ID Number						F. Transporter's Phone					
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						10. US EPA ID Number CA 0004771168					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit	
a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID						No. Type 0 0 1 T T		0 5 1 0 0 0		G	
b.										L. Waste Number State 134,241 EPA/Other	
c.										State EPA/Other	
d.										State EPA/Other	
15. Special Handling Instructions and Additional Information JOB #12161 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR						JOB SITE: U.S. ARMY RESERVE CENTER Building 730, PARKS RFTA Dublin, California					
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.						K. Handling Codes for Wastes listed Above 01					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name JAY W. TORBERT, FALRECS30		Signature Jay W. Torbert		Month Day Year 0 2 1 6 9 3	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name EDWARD G. MILANO		Signature Edward G. Milano		Month Day Year 0 2 1 6 9 3	
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 Rasham Shaaker		Signature Rasham Shaaker		Month Day Year 0 2 1 7 9 3	

GENERATOR

TRANSPORTER

FACILITY

DO NOT WRITE BELOW THIS LINE.

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

GENERATOR

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A 0 2 1 0 4 9 0 4 0 1 5		Manifest Document No. 0 0 0 0 5		2. Page 1 of 4		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215282					
4. Generator's Phone 206) 281-3142 Attn: Mr. Carlito Hildago						B. State Generator's ID					
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number C A D P 0 4 7 7 1 1 6 8		C. State Transporter's ID 402001		D. Transporter's Phone (415) 543-4835			
7. Transporter 2 Company Name						E. State Transporter's ID					
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						10. US EPA ID Number C A D P 0 4 7 7 1 1 6 8		G. State Facility's ID			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID						12. Containers No. Type 0 0 1 T T		13. Total Quantity 0510010		14. Unit Wt/Vol G	
11. (continued) Additional Descriptions for Materials Listed Above FUEL OIL AND WATER PROFILE #A2506						K. Handling Codes for Wastes Listed Above 01		L. Waste Number State 36241 EPA/Other 738 R-3H			
15. Special Handling Instructions and Additional Information JOB #12161 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR JOB SITE: U.S. ARMY RESERVE CENTER Building 730, PARKS RFTA Dublin, California											
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.											
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAY W TORBERT FOR PERSON				Signature <i>Jay W Torbert</i>		Month 0 2		Day 1 6		Year 9 3	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name NORMAN L. BERG				Signature <i>Norman L. Berg</i>		Month 0 2		Day 1 6		Year 9 3	
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Roshan Sharlow				Signature <i>Roshan Sharlow</i>		Month 0 2		Day 1 7		Year 9 3	

DO NOT WRITE BELOW THIS LINE.

92215587
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESOURCES CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7575

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 02110490405		Manifest Document No. 0101018		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215587							
4. Generator's Phone (206) 281-3142 Attn: Mr. Carlito Hildago						B. State Generator's ID							
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number CA D 0 0 4 7 7 1 1 6 8		C. State Transporter's ID 402005							
7. Transporter 2 Company Name						D. Transporter's Phone (415) 543-4835							
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						10. US EPA ID Number CA D 0 0 4 7 7 1 1 6 8		E. State Facility's ID					
						F. Facility's Phone (415) 543-4835							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste Number	
						0 0 1 T T		05000		G		State 135 EPA/Other	
b.										State		EPA/Other	
c.										State		EPA/Other	
d.										State		EPA/Other	
16. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER PROFILE #A2506						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.							
15. Special Handling Instructions and Additional Information JOB #12392 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR										JOB SITE: U.S. ARMY RESERVE CENTER Building 730, (PARKS RFTA) Dublin, California			
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 RONALD WEIAND				Signature <i>Ronald Weiand</i>				Month 0 3		Day 1 7		Year 9 9	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ESTEBAN M. PENALVER				Signature <i>Esteban Penalver</i>				Month 0 3		Day 1 7		Year 9 9	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Rashan Shaklov				Signature <i>Rashan Shaklov</i>				Month 0 3		Day 1 7		Year 8 9	

DO NOT WRITE BELOW THIS LINE.

92215588

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7555

GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A 0 2 1 0 4 9 0 4 0 5		Manifest Document No. 0 0 0 0 9		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address HEADQUARTERS 124TH ARCOM / ENGINEERS 4575 - 36th Avenue West, Seattle, WA. 98199-5000						A. State Manifest Document Number 92215588							
4. Generator's Phone 206) 281-3142 Attn: Mr. Carlito Hildago						B. State Generator's ID							
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number C A D D 0 4 7 7 1 1 6 B		C. State Transporter's ID 401989							
7. Transporter 2 Company Name						D. Transporter's Phone (415) 543-4835							
9. Designated Facility Name and Site Address H & H Ship Service Company 220 Terry A. Francois Street San Francisco, CA. 94107						8. US EPA ID Number C A D D 0 4 7 7 1 1 6 B		E. State Transporter's ID					
						F. Transporter's Phone							
						G. State Facility's ID		H. Facility's Phone (415) 543-4835					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		E. Waste Number	
RESIDUE ASSOCIATED PIPING NON-RCRA HAZARDOUS WASTE SOLID						0 0 1 B A		0 0 5 0 0		P		State 13 EPA/Other	
b.												State EPA/Other	
c.												State EPA/Other	
d.												State EPA/Other	
K. Additional Descriptions for Materials Listed Above RESIDUE ASSOCIATED PIPING from underground storage tanks PROFILE #A2507						L. Handling Codes for Wastes Listed Above a. 01		b.		c.		d.	
15. Special Handling Instructions and Additional Information JOB #12404 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR						JOB SITE: U.S. ARMY RESERVE CENTER Building 730, (PARKS RFTA) Dublin, California							
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 RONALD WEIAND				Signature <i>Ronald Weiand</i>				Month 0 3		Day 1 7		Year 9	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JIMMIE H. REESE				Signature <i>Jimmie Reese</i>				Month 0 3		Day 1 7		Year 9	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Cleveland Vaker				Signature <i>Cleveland Vaker</i>				Month 0 3		Day 1 7		Year 9	

DO NOT WRITE BELOW THIS LINE

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

P.1

II, III

Site ID # Site Name Camp Parks Today's Date 3, 17, 93

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address _____

City Dublin

Zip 94

Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- i. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ii. Business Plans, Acute Hazardous Materials
- iii. Underground Tanks

II.B ACUTELY HAZ. MAT'LS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

Time 8:11:30 AM

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- 1. Permit Application 25284 (H&S)
- 2. Pipeline Leak Detection 25292 (H&S)
- 3. Records Maintenance 2712
- 4. Release Report 2651
- 5. Closure Plans 2670

Monitoring for Existing Tanks

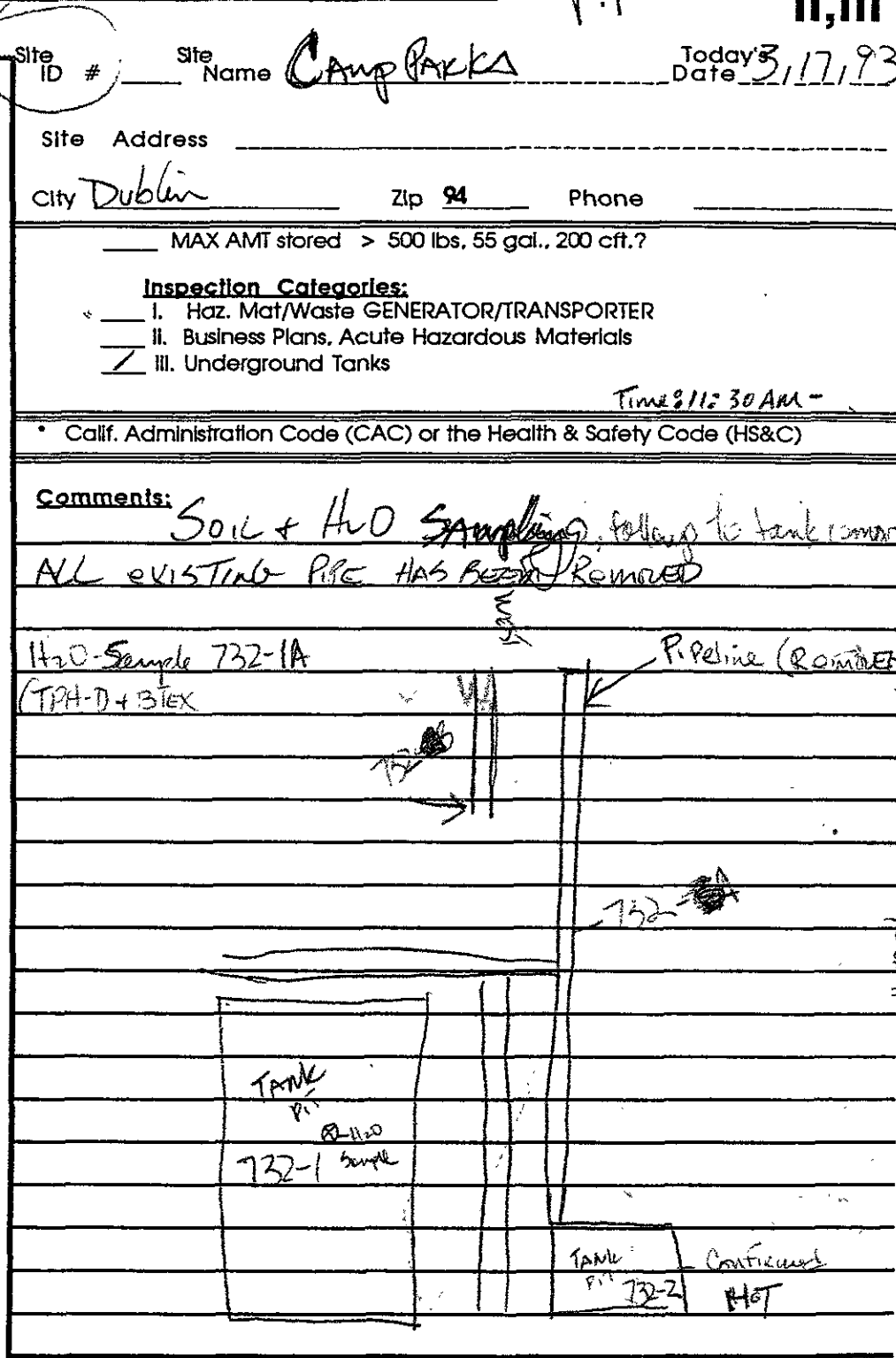
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soils
 - 3) Daily Vadose One time soils Annual tank test
 - 4) Monthly Gndwater One time soils
 - 5) Daily inventory Annual tank testing Cont pipe leak det Vadose/gndwater mon.
 - 6) Daily inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank testing
 - 8) Annual Tank Testing Daily inventory
 - 9) Other _____

- 7. Precis Tank Test Date: 2643
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647

New Tanks

- 11. Monitor Plan 2632
- 12. Access. Secure 2634
- 13. Plans Submit 2711
- Date: _____
- 14. As Built 2635
- Date: _____

Rev 6/88



Contact: PACIFICO M. Jansons
Title: _____
Signature: Pacifco M. Jansons

Inspector: Jeff Shapiro
Signature: Jeff Shapiro

II, III

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 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

Hazardous Materials Inspection Form P.2

II, III

Site ID # _____ Site Name CAMP PARK 5 Today's Date 3/17/93

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stats. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address _____

City Dublin Zip 94 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MAT'LS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

732-1
 WATER from the large pit was removed by A+H environmental services. Samples of the trench, where pipeline was removed, is not possible. The trench is filled with rock tho. However, there is a sufficient amount of native soil which was removed from each pipeline trench to sample.

PIPELINE Soil Samples: I sampled 20FT. Measured FROM EAST END of Pipeline Diesel engine

732-A1 - 20 FT	732-B1
" A2 - 10 "	" B2
" A3 - etc.	" B3
" A4 -	" B4
" A5 -	" B5
" A6 -	" B6
" A7 -	" B7

The diesel pipeline samples were taken w/ Jaws because the samples did NOT have enough brass tubes.

III. UNDERGROUND TANKS (Title 23)

- 1. Permit Application 25284 (H&S)
- 2. Pipeline Leak Detection 25292 (H&S)
- 3. Records Maintenance 2712
- 4. Release Report 2651
- 5. Closure Plans 2670
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time soils
 - 3) Daily Vadose One time soils Annual tank test
 - 4) Monthly Groundwater One time soils
 - 5) Daily inventory Annual tank testing Conf pipe leak det Vadose/gndwater mon.
 - 6) Daily inventory Annual tank testing Conf pipe leak det
 - 7) Weekly Tank Gauge Annual tank testing
 - 8) Annual Tank Testing Daily inventory
 - 9) Other
- 7. Precis Tank Test 2643 Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water 2647
- 11. Monitor Plan 2632
- 12. Access. Secure 2634
- 13. Plans Submit 2711 Date: _____
- 14. As Built 2635 Date: _____

Rev 6/88

Contact: _____

Title: _____

Signature: Rosemary M. Gumbay

Inspector: Jeff Shepard

Signature: Jeff Shepard

II, III

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 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

80 Swan Way, #200
 Oakland, CA 94621
 (415) 271-4320

P.3

II, III

Site ID # _____ Site Name Camp Banks Today's Date 3/17

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MAT'L S

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(a)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- 1. Permit Application 25284 (H&S)
- 2. Pipeline Leak Detection 25292 (H&S)
- 3. Records Maintenance 2712
- 4. Release Report 2651
- 5. Closure Plans 2670
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/groundwater mon.
 - 6) Daily inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 8) Annual Tank Testing
 - Daily inventory
 - 9) Other _____
- 7. Precis Tank Test 2643
 - Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647
- 11. Monitor Plan 2632
- 12. Access. Secure 2634
- 13. Plans Submit 2711
 - Date: _____
- 14. As Built 2635
 - Date: _____

General
 Monitoring for Existing Tanks
 New Tanks

Site Address _____
 City _____ Zip 94 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Submit A detailed report to me within 45 days regarding the following:

1. Results of (initial) water samples.
 2. Results of confirmatory samples (H₂O & soil) from each tank pit and trench, if applicable Exclusion 752-2
 3. Summarize all data and ~~submit~~ submit your conclusions as to whether work/remediation or request closure.
 4. This preliminary report must be approved by a professional engineer or geologist.
- If you have any questions before submission of this report contact me directly at (510) 271-4320

Contact: _____
 Title: _____
 Signature: Parishio M. Jenkins

Inspector: Jeff Shagan
 Signature: Jeff Shagan

II, III