

★ 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)

PLOT PLAN B-732

SKETCH #3

COPY

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> [mg/L (ppm)]	<u>D/L</u> [mg/L (ppm)]	<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.

Ralph Hsiao
Ralph Hsiao
Chemist

Barbara Faubert
Barbara Faubert
Chemist

Parker Shieh
Parker Shieh
Chemist

March 4, 1993
Date

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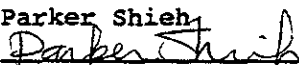
DATE SAMPLED: NA
 DATE RECEIVED: 02/23/1992
 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 & V-30
 MATRIX: AQUEOUS
 % MOISTURE: NA
 REPORT WT.: NA
 SAMPLE VOL./WT.: NA

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

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 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 & V-30
 MATRIX: AQUEOUS
 % MOISTURE: NA
 REPORT WT.: NA
 SAMPLE VOL./WT.: 100ml

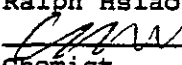
ELI SAMPLE ID: 9302208-08A
 CLIENT SAMPLE ID: PIT 732-2 SURFACE
 MATRIX SPIKE RECOVERY

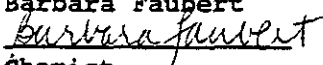
<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>METHOD</u>
Chromium	86%	6010
Nickel	83%	6010
Zinc	90% *	6010
Lead	99% ***	7421
Cadmium	92% **	7131
Mercury	96% ***	7470

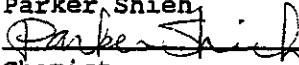
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** The matrix spike used in this analysis is from another sample of the same analytical batch. However, due to high analyte concentration in the matrix spike sample, the reagent spike sample is reported.

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

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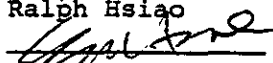
CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: NA
CONTRACT #: N62474-92-D-0430	DATE RECEIVED: 02/23/1992
P.O. #: 93E-629	DATE EXTRACTED: 02/25&26/1992
ORDER #:	DATE ANALYZED: 02/26/1992 & 03/01/1993
PERMIT #:	INSTRUMENT ID: JA 9000, V400Z & V-30
LOCATION: BLDG 732 CAMP PARKS	MATRIX: AQUEOUS
ELI SAMPLE ID: 9302208-09A	% MOISTURE: NA
CLIENT SAMPLE ID: PIT 732-2 SURFACE	REPORT WT.: NA
MATRIX SPIKE RECOVERY DUP.	SAMPLE VOL./WT.: 100ml

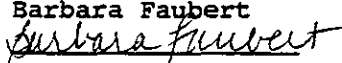
<u>METALS</u>	<u>SPIKE RECOVERY</u>	<u>METHOD</u>
Chromium	89%	6010
Nickel	85%	6010
Zinc	104% *	6010
Lead	80% ***	7421
Cadmium	92% **	7131
Mercury	99% ***	7470

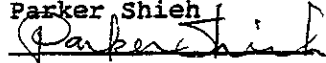
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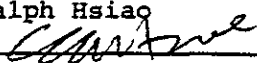
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 LOCATION: BLDG 732 CAMP PARKS

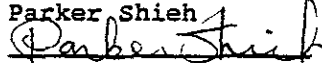
DATE SAMPLED: 02/23/1993
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 DATE EXTRACTED: 02/25&26/1992
 DATE ANALYZED: 02/26/1992 &
 03/01/1993
 INSTRUMENT ID: JA 9000, V400Z
 PE5100 & V-30
 MATRIX: SOLID
 % MOISTURE: NA
 REPORT WT.: WET
 SAMPLE VOL./WT.: 1g & 0.2g

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.

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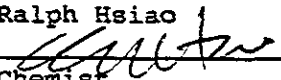
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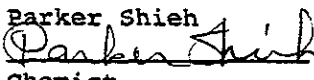
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DATE ANALYZED: 02/26/1992 &
03/01/1993
INSTRUMENT ID: JA 9000, V400Z
PE5100 & V-30
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: NA
SAMPLE VOL./WT.: NA

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

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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: 9302208-08A	% MOISTURE: NA
CLIENT SAMPLE ID: MATRIX SPIKE RECOVERY *	REPORT WT.: WET
	SAMPLE VOL./WT.: 1g & 0.2g


<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

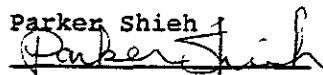
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*** Reagent spike was used due to high analyte concentration.

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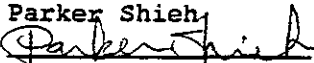
CLIENT: PUBLIC WORKS CENTER-SFBAY	DATE SAMPLED: NA
CONTRACT #: N62474-92-D-0430	DATE RECEIVED: 02/23/1992
P.O. #: 93E-629	DATE EXTRACTED: 02/25&26/1992
ORDER #:	DATE ANALYZED: 02/26/1992 &
PERMIT #:	03/01/1993
LOCATION: BLDG 732 CAMP PARKS	INSTRUMENT ID: JA 9000, V400Z
	& V-30
	MATRIX: SOLID
ELI SAMPLE 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

- * 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

March 4, 1993
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TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1

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DATE SAMPLED: 02/23/1993
DATE RECEIVED: 02/23/1993
DATE EXTRACTED: 02/24/1993
DATE ANALYZED: 02/26/1993
INSTRUMENT ID: FTIR
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, Ph.D.

Chemist

March 4, 1993

Date

00009

ORGANIC ANALYSIS REPORT
Purgeable Aromatics, EPA Method 8020

EUREKA LABORATORIES, INC.
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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
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ORDER #:
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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
March 4, 1993
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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

Huey-Chen Chow
Chemist

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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
Chemist

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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
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: 9302208-03A
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
Chemist

March 4, 1993
Date

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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

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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: 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
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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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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
Date

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Purgeable Aromatics, EPA Method 8020

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Certification: 1165

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ORDER #:
LOCATION: BLDG 732 CAMP PARKS

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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 (dimethylbenzenes)	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)

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 #:
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LOCATION: BLDG 732 CAMP PARKS

DATE SAMPLED: 02/23/1993
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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


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
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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
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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> <u>[ug/L (ppb)]</u>	<u>DETECTION LIMIT</u> <u>[ug/L (ppb)]</u>
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)
EPA METHOD 5030/8015 (Modified)

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6790 Florin-Perkins Road
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(916) 381-7953

Order No.: 93-02-208
Hazardous Waste Testing
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CLIENT: PUBLIC WORKS CENTER-SFBAY
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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: 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 *

PETROLEUM HYDROCARBONS % SPIKE RECOVERY

Gasoline Range 110%

CARBON NO. RANGE

Gasoline Range -

PEAK CARBON NO.

Gasoline Range -

* Reagent spike set is used due to matrix interference.

Jeanette Chen


Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

EUREKA LABORATORIES, INC.
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Sacramento, CA 95828
(916) 381-7953

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Certification: 1165

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LOCATION: BLDG 732 CAMP PARKS

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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

PETROLEUM HYDROCARBONS

% SPIKE RECOVERY

Gasoline Range 90%

CARBON NO. RANGE

Gasoline Range -

PEAK CARBON NO.

Gasoline Range -

* Reagent spike set is used due to matrix interference.

Jeannette Chen


Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

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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

Chemist March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

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6790 Florin-Perkins Road
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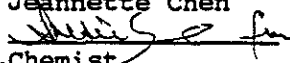
Order No.: 93-02-208
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DATE ANALYZED: 02/26/1993
INSTRUMENT ID: SVG-7
MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 10g
DILUTION FACTOR: 1

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

Chemist
March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
EPA METHOD 5030/8015 (Modified)

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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


Chemist

March 4, 1993
Date

TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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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


Chemist

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TOTAL PETROLEUM HYDROCARBONS (GASOLINE)
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MATRIX: SOLID
% MOISTURE: NA
REPORT WT.: WET
SAMPLE VOL./WT.: 10g
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-09A
SAMPLE ID: STOCKPILE 1A,B,C,D COMP.
MATRIX SPIKE RECOVERY DUP.

<u>PETROLEUM HYDROCARBONS</u>	<u>% SPIKE RECOVERY</u>
Gasoline Range	94%
<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)

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

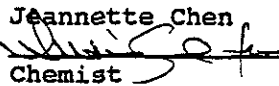
Order No.: 93-02-208
Hazardous Waste Testing
Certification: 1165

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

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

<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	-

Jeannette Chen

Chemist

March 4, 1993
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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
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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: 9302208-11A
SAMPLE ID: REAGENT SPIKE RECOVERY DUP.

PETROLEUM HYDROCARBONS % SPIKE RECOVERY

Gasoline Range 90%


CARBON NO. RANGE

Gasoline Range -

PEAK CARBON NO.

Gasoline Range -

Jeannette 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

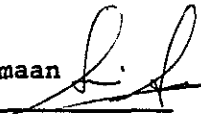
CLIENT: PUBLIC WORKS CENTER-SFBAY
CONTRACT: N62474-92-D-0430
P.O. #: 93E-629
PERMIT #:
ORDER #:
LOCATION: BLDG 732 CAMP PARKS

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
DILUTION FACTOR: 1

ELI SAMPLE ID: 9302208-11A

CLIENT SAMPLE ID: REAGENT SPIKE RECOVERY DUP. *

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: 9302208-01A
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: 9302208-02A
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	DETECTION LIMIT
	ppm (mg/L)	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: 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

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: 9302208-11A
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:
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: 9302208-12A
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

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: 9302208-17A
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

PAGE 1 OF 2



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 _____
CONTACT MONA MCCARNY
P.O.# _____

STOCKPILE #1
TO BE STOCKPILED TO BE STOCKPILED TO BE STOCKPILED TO BE STOCKPILED
SHIPPING METHOD #3
STOCKPILE #3
PAGE 2

ELI ORDER # 93-02-208
SHELF # OCV19
PROJECT REF # 93E-629

PROJECT NAME CAMP PARKS

ANALYSIS: TPH-DIESEL, TPH-GAS BTEX, TOTAL REC PH, CHLOR HYDROCARBONS, Pb, Total Cr, Cd, Hg, Zn, Ni
COMPOSITE 1A, B, C, D
COMPOSITE 2A, 2B, 2C, 2D
COMPOSITE 3A, 3B, 3C, 3D

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	ANALYSIS								
				S O L	W A T E R	O I L	N O N E	H N O 3	H 2 S O 4		TPH-DIESEL	TPH-GAS BTEX	TOTAL REC PH	CHLOR HYDROCARBONS	Pb, Total Cr, Cd, Hg, Zn, Ni	COMPOSITE			
1A	PIT 732-2 SURFACE	2-23-93 1125	BLDG 732 CAMP PARKS	X			X			3x 40ML VOA 3x 1L AMBER 1x 1L BASTIC	X	X	X	X	X				
2A	PIT 732-1 SURFACE	2-23-93 1145		X						1x 1L AMBER 3x 40ML VOA GLAC	X	X							
3A	STOCKPILE 1A	2-23-93 1215		X						1x 500ML	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			

EXPEDITE

SAMPLER'S SIGNATURE <i>R. Morgan</i>	DATE/TIME 2-23-93 1300	RELINQUISHED BY: <i>R. Morgan</i>	DATE/TIME 2-23-93 1700	RECEIVED BY:	DATE/TIME
RECEIVED BY:	DATE/TIME	RELINQUISHED BY:	DATE/TIME	RECEIVED BY LAB: <i>K. Franceschi</i>	DATE/TIME 2/23/93 1700

EXPEDITE ONLY

PAGE 2 of 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 _____
CONTACT MONA MCGARRY
P.O.# _____

SHIPPING METHOD

ELI ORDER #

93-02-208

SHELF #

GCV19
GCV8/ALGO

PROJECT REF #

93E-629

PROJECT NAME

CAMP PARKS

ELI ID	CLIENT SAMPLE ID	DATE/TIME OF SAMPLING	SAMPLE LOCATION	MATRIX			PRESERVATION			CONTAINER TYPE & NO.	ANALYSIS REQUEST						TERMINAL	PH	CONDUCTIVITY
				S O L I D L I T E R	W A T E R	O I L	N O N H A L O G E N O S	H A L O G E N O S	H 2 S O 4		TPH-DIESEL	TPH-GAS STX	TOTAL REC PH	CHLOR HYDROCARBONS	Pb, Total Cr, Cd, Hg, Zn, Ni	COMPOSITE			
	STOCKPILE 3A	2-23-93 1230	BLDG 732 CAMP PARKS	X			X			GLASS 17.500ML	X	X	X	X	X	X			
SA	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

TO BE STOCKPILED 3A, 3B, 3C, 3D

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