UNDERGROUND STORAGE TANK REMOVAL AND CLOSURE REPORT

CONTINENTAL BAKING
COMPANY FACILITY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Prepared for

Continental Baking Company
Checkerboard Square
St. Louis, Missouri

October 11, 1993

Woodward-Clyde

Woodward-Clyde Consultants
500 12th Street
Suite 100
Oakland, California 94607-4014

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

October 14, 1993

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Continental Baking Facility, 6841 Village Parkway, Dublin, CA
Underground Storage Tank Removal and Closure Report

Dear Ms. Chu:

Attached is a copy of the report dated October 11, 1993, which provides details regarding the underground storage tank removal at the Continental Baking Company site noted above. Analytical results were submitted to your office previously.

Woodward-Clyde Consultants is providing environmental engineering consulting services to Continental Baking Company, and is submitting this report on their behalf. If you have any questions, please feel free to phone me at (510) 874-3138.

Sincerely,

Jo Beth Folger

Jo Beth Folger

Attachment

c: Mr. Fred Dannecker, CBC-SF
Mr. Charles Gjersvik, CBC-SL
Mr. Jim Hummert, WCC-SL
California Regional Water Quality Control Board

500 12th Street, Suite 100 • Oakland, CA 94607-4014 • (510) 893-3600 • Fax (510) 874-3268

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CERTIFICATION

UNDERGROUND STORAGE TANK CLOSURE AT THE DUBLIN, CALIFORNIA FACILITY

OCTOBER 11, 1993
92CB037-0000

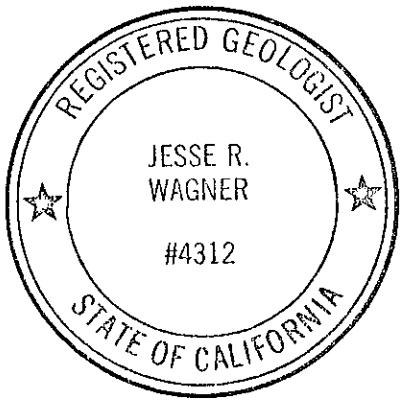
This report has been prepared by the staff of Woodward-Clyde Consultants and has been reviewed and approved by the professional whose signature appears below.

The findings, recommendations, specifications, or professional opinions are presented within the limits prescribed by the client and in accordance with generally accepted engineering practice in Northern California at the time this work plan was prepared. No other warranty is either expressed or implied.

WOODWARD-CLYDE CONSULTANTS

J. Ross Wagner

J. Ross Wagner, Ph.D.
R.G. No. 4312
Senior Project Geologist



500 12th Street, Suite 100 • Oakland, CA 94607-4014 • (510) 893-3600 • Fax (510) 874-3268

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EXECUTIVE SUMMARY

On December 17, 1992, one underground storage tank (UST) was excavated and removed from the Continental Baking Company site, located at 6841 Village Parkway in Dublin, California. The site is a baked goods distribution center for the San Francisco Bay Area and a Thrift store with an attached maintenance garage.

A 4,000-gallon fuel storage tank was removed from its underground location behind the facility. The age of the UST was estimated at least 19 years old at the time of the removal. Historically, this tank had been used to store diesel fuel for the delivery trucks. Personnel from the Alameda County Health Agency and from the Dougherty Regional Fire Authority were present during the time of the UST removal to conduct their respective inspections. No holes were found in the UST nor in the connecting pipes during the inspection.

Two closure samples were collected from the bottom of the excavation and they were analyzed for petroleum hydrocarbon constituents. Results from the analysis indicate that both samples contained elevated concentrations of diesel (2,200 and 1,600 mg/kg) and moderate levels of the more volatile fractions (ethylbenzene 38-88 µg/kg and total xylenes 60 and 53 µg/kg). However, no standing water nor free product were observed at the site.

Four stockpile samples were collected from the removed soil and composited into one sample by the laboratory. This sample was analyzed for petroleum hydrocarbons, reactivity, corrosivity and ignitability to conform with the hazardous waste disposal characterization. Additionally, the composite sample was analyzed for lead as requested by the Alameda County Health Agency.

The analytical results of the composite sample indicate that 6,800 mg/kg of diesel and unknown hydrocarbons in the range of 220 mg/kg (possible weathered diesel) were reported. The tests indicated the soil was not corrosive, reactive or ignitable. In summary, the analytical results of the soil samples suggests that petroleum hydrocarbons in the range of diesel constituents exist beneath the site where the removed UST was located. However, due to the nature of the native soil (clayey material) it is anticipated that remaining petroleum hydrocarbons in the soil are localized.

1.0
INTRODUCTION

1.1 SCOPE OF WORK

On December 17, 1992, one underground storage tank (UST) was excavated and removed from the Continental Baking Company Facility at 6841 Village Parkway in Dublin, California. This report presents the observations and analytical results of soil samples collected by Woodward-Clyde Consultants (WCC) on behalf of CBC in support of UST closure and soil disposal activities at the site.

1.2 SITE LOCATION

The site is located in the San Francisco Bay Area in the City of Dublin, California (Figure 1). Village Parkway is a major thoroughfare that runs parallel and to the east of Interstate 680. The local land use is commercial along Village Parkway, with residences located along the intersecting streets (Figure 2).

1.3 SITE DESCRIPTION AND UST HISTORY

The site is a baked goods distribution center and Thrift Store facility with an attached maintenance garage. The removed 4000-gallon underground storage tank was located at the rear of the facility (Figure 3). The precise age of the tank is unknown. However, this UST was reportedly at least 19 years old at the time of the removal and historically had been used to store diesel fuel for the delivery trucks. The UST was of single wall steel construction. A dispensing unit was also formerly located at the rear of the facility, immediately adjacent to the UST (Figure 3).

2.0
TANK REMOVAL AND DISPOSAL

Mr. Jeff Shapiro of the Alameda County Health Agency and Mr. Ron Johansen of the Dougherty Regional Fire Authority were present during the UST removal to conduct their respective inspections.

2.1 TANK INERTION AND REMOVAL

The remaining diesel and accumulated sludge were pumped from the UST. The vapors within the UST had been rendered inert by displacement using approximately 30 pounds of dry ice per 1000 gallon capacity of the UST. The combustibility of the vapors remaining in the tank was measured and compared against the lower explosive limit using a combustible gas indicator under the supervision of the Fire Inspector. After the Fire Inspector gave approval to remove the UST, all access holes in the UST were capped and the UST was removed from the excavation.

2.2 TANK AND PIPING INTEGRITY

After the UST had been removed from the excavation, it was subjected to an above-ground inspection by the County Health Inspector. The UST apparently had been heavily wrapped and thickly coated to protect it from corrosion. No significant signs of rust nor holes were found in the tank during the above-ground inspection. The steel underground piping was also protectively wrapped. No perforations were observed in the short lengths of piping, which had been bent during the excavation process.

2.3 SLUDGE AND TANK DISPOSAL

The UST and the removed sludge were transported under manifest by Erickson, Incorporated to their facility in Richmond, California. Copies of the uniform hazardous waste manifests have been included in Appendix A.

Approximately 50 cubic yards of excavated soil was stockpiled and covered with plastic. The stockpiled soil was sampled and analyzed for waste characterization purposes. The excavation was resurfaced with asphaltic concrete to match the surrounding surfaces.

On December 17, 1992, the tank was removed by Petroleum Engineering, Inc. and disposed of by Erickson, Inc. as a non-RCRA Hazardous Waste Solid. Petroleum Engineering, Inc. was in charge of backfilling the excavation on May 11, 1993.

2.4 OBSERVATIONS AT THE UST EXCAVATION

The native soil encountered at the UST excavation generally consisted of clayey material. The native material was observed to be dark gray in color. The excavation measured 8 feet wide by 22 feet long, with a total depth of approximately 10 feet. Subsurface water was not observed in the excavation. Therefore no water samples were collected. Photographs of the UST excavation and of the removed UST are included in Appendix B.

3.0
UST CLOSURE SAMPLES

3.1 CLOSURE SAMPLE COLLECTION AND ANALYSIS

In accordance with the Tri-Regional Staff Recommendations for the removal of a 4,000-gallon UST, two soil samples of native soil were collected from the bottom of the excavation, near each end of the tank. Both samples consisted of dark gray clay. These samples were identified as TP-1 (from the north end of the excavation) and TP-2 (from the south end) and they were collected at respective depths of 10.5 and 10 feet (Figure 3). The soil was first removed from the excavation in a backhoe bucket. A clean brass tube was driven into the soil manually, with the aid of a mallet. The filled tube was removed from the soil, the ends covered with teflon sheeting and capped with plastic endcaps.

The closure samples were submitted to Mid-Pacific Environmental Laboratories, Incorporated (MPELI) in Mountain View, California for analysis. MPELI is certified by the State of California Department of Toxic Substances Control for the analysis of hazardous materials. In accordance with the Tri-Regional Staff Recommendations for the removal of USTs that have been used to store diesel, the samples were analyzed for total petroleum hydrocarbons quantified as diesel (TPH-D) by EPA method 8015 and for the presence of the aromatic petroleum hydrocarbon constituents of benzene, toluene, ethyl benzene, and xylenes (BTEX) by EPA method 8020. At the request of the Alameda County health inspector, the samples were also analyzed for organic lead, with a contingency that TPH quantified as gasoline (TPH-G) would also be analyzed if concentrations of organic lead were detected above the analytical reporting limit.

3.2 STOCKPILE SOIL SAMPLE COLLECTION AND ANALYSIS

Approximately 50 cubic yards of excavated material (fill and soil) was stockpiled at the southeast corner of the site. A four-point composite sample, SP1-ABCD, was collected from this stockpile. At each sample point, a clean brass tube was driven into the stockpiled soil manually, with the aid of a mallet. As with the closure samples, the ends of the filled tube were covered and capped. The samples were submitted to the analytical laboratory (MPELI)

where they were composited and analyzed for waste characterization purposes. The samples were analyzed for TPH- G, TPH-D, BTEX, reactivity, corrosivity, ignitability and lead.

3.3 ANALYTICAL DATA QUALITY CONTROL/QUALITY ASSURANCE

The laboratory-generated analytical reports are included in Appendix C. The analytical data was reviewed for sample holding times, accuracy, precision, elevated detection limits, proper decontamination procedures, and potential laboratory contamination.

All samples were extracted and analyzed within the method-prescribed holding times. Therefore sample integrity was not compromised by an excessive time period before analysis. Accuracy was assessed by reviewing spike recoveries while precision was assessed by reviewing the relative percent difference (RPD) between the spike and spike duplicate recoveries. The spike recoveries for each of the analysis were within the respective established limits for the laboratory, which indicates acceptable accuracy. The surrogate samples for the EPA method 8020 analyses were within the laboratory's established limits, further indicating acceptable accuracy for this method. The spike duplicate RPDs for each analysis were within the laboratory's established limits, indicating acceptable sample precision. Samples were diluted only when a high concentration of a target compound was detected, thus the samples were analyzed at the lowest possible detection limit. For each of the analyses, the reagent blanks did not contain detectable concentrations of the target analytes. Therefore it does not appear that laboratory conditions would have caused cross-contamination.

An unknown hydrocarbon was reported in the TPH analyses for the stockpiled soil. After additional investigation was conducted by the laboratory, it was concluded that the unknown hydrocarbon detected in the gasoline analyses was most likely the lighter portion of diesel carrying over into the gasoline analysis. This theory is further supported by the observation that high concentrations of diesel were detected in the samples with the reported unknown hydrocarbon. It should be noted that the unknown hydrocarbon was detected only in the sample collected from the stockpiled soil and that this information would be used only to assess appropriate disposal alternatives for the stockpile.

Based upon the findings of the QA/QC review, WCC considers the analytical data acceptable without limitations to its intended use.

3.4 ANALYTICAL RESULTS

The analytical results of the two closure samples are summarized in Table 2. Organic lead was not detected at or above the analytical detection limit (0.50 mg/kg). Therefore the samples were not analyzed for TPH-G. The analyses for TPH-D detected 2,200 mg/kg (or parts per million, ppm) diesel in sample TP-1 and 1,600 mg/kg diesel in sample TP-2. Concentrations of BTEX constituents for both samples ranged from undetected (<0.020 mg/kg for benzene and toluene in both samples) to 0.088 mg/kg (detected for ethyl benzene in TP-2).

The analytical results of the four-point composite stockpile sample are summarized in Table 3. Relatively high concentrations of TPH-D was detected in the sample (6,800 mg/kg reported as TPH-D and 220,000 mg/kg reported as TPH-unknown).

4.0
CONCLUSIONS

No perforations in the tank nor the connecting pipelines were observed during the above-ground inspection. Organic lead was not detected in the soil samples, therefore TPH-G was not analyzed, because the UST had historically been used to store diesel. However, concentrations of TPH-D from 1,600 to 2,200 mg/kg were detected in the UST closure soil samples collected from the base of the excavation at each end. The extent of the presence of petroleum hydrocarbons in the soil surrounding the UST excavation has not been determined. However, the native soil beneath this site that was encountered at the tank excavation generally consists of clayey material. In addition, a comparison of the analytical results between the closure samples which represent the soil remaining after excavation against the stockpiled soil sample suggests that a significant amount of the highly impacted soil has been excavated and removed from the site.

TABLE 1

LIST OF CONTACTS
CONTINENTAL BAKING COMPANY FACILITY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Facility Owner/Operator:

Continental Baking Company
1525 Bryant Street
San Francisco, California 94103

Fred Dannecker
(415) 552 0950

Environmental Consultants to Continental Baking Company:

Woodward-Clyde Consultants
500-12th Street, Suite 100
Oakland, California 94607

Jo Beth Folger
(510) 874 3138

Lead Implementing Agency:

Alameda County Health Agency
80 Swan Way, Room 200
Oakland, California 94621

Jeff Shapiro
(510) 271 4320

Regional Water Quality Control Board:

Regional Water Quality Control Board
1800 Harrison Street
Oakland, California 94612

Fire Department:

Dougherty Regional Fire Authority
9939 Fircrest Lane
San Ramon, California 94583

Ron Johansen
(510) 829 2333

TABLE 2

ANALYTICAL RESULTS (IN MG/KG, OR PPM) FOR SOIL SAMPLES COLLECTED IN SUPPORT OF THE UNDERGROUND STORAGE TANK CLOSURE AT THE CONTINENTAL BAKING COMPANY FACILITY 6841 VILLAGE PARKWAY, DUBLIN, CALIFORNIA

Sample Location	Sample Depth (feet)	Collection Date	Modified EPA 8015/8020							CA DHS 938
			TPH-D	TPH-K	TPH-O	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Organic Lead
TP1	10.5	12/17/92	2,200	<10	<100	<0.020	<0.020	0.038	0.060	<0.50
TP2	10	12/17/92	1,600	<10	<100	<0.020	<0.020	0.088	0.058	<0.50

Notes:

TPH-D: Total Petroleum Hydrocarbons quantified as diesel.
TPH-K: Total Petroleum Hydrocarbons quantified as kerosene.
TPH-O: Total Petroleum Hydrocarbons quantified as motor oil.

TABLE 3

ANALYTICAL RESULTS OF COMPOSITE SOIL SAMPLE COLLECTED FROM EXCAVATED SOIL FOR UST REMOVAL AT 6841 VILLAGE PARKWAY, SALINAS, CALIFORNIA

Sample ID: SP1-A,B,C,D	Collection Date: 12/17/993
Analysis	Concentration
TPH-Diesel	6,800 mg/kg
TPH-Gas	<20[1] mg/kg
TPH-Kerosene	<50 mg/kg
TPH-Oil	<50 mg/kg
TPH-Unknown	220[1] mg/kg
Benzene	<0.10 mg/kg
Toluene	<0.10 mg/kg
Ethylbenzene	0.11 mg/kg
Total Xylenes	0.16 mg/kg
Reactivity-Cyanide	<10 mg/L
Reactivity-Sulfide	<10 mg/L
Corrosivity	8.4 pH
Ignitability	>70 °C

Notes:

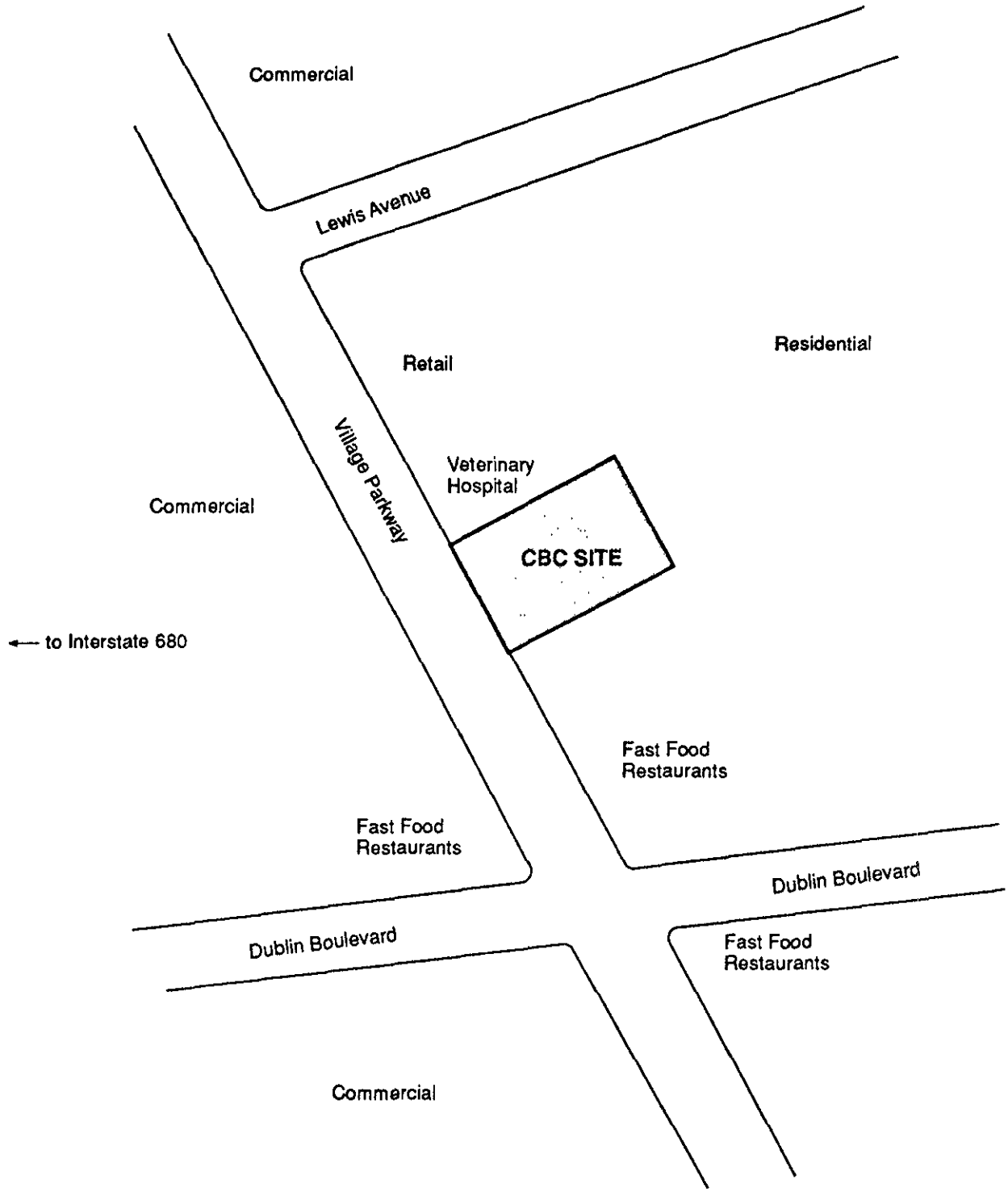
[1] The chromatographic pattern of the sample did not match those of the laboratory standard for TPH-Gas. This component was semi-quantitated by comparison to the gasoline standard and is reported as "unknown." This is likely the lighter portion of diesel carrying over into the gasoline analysis.

N

0 1000 2000

feet

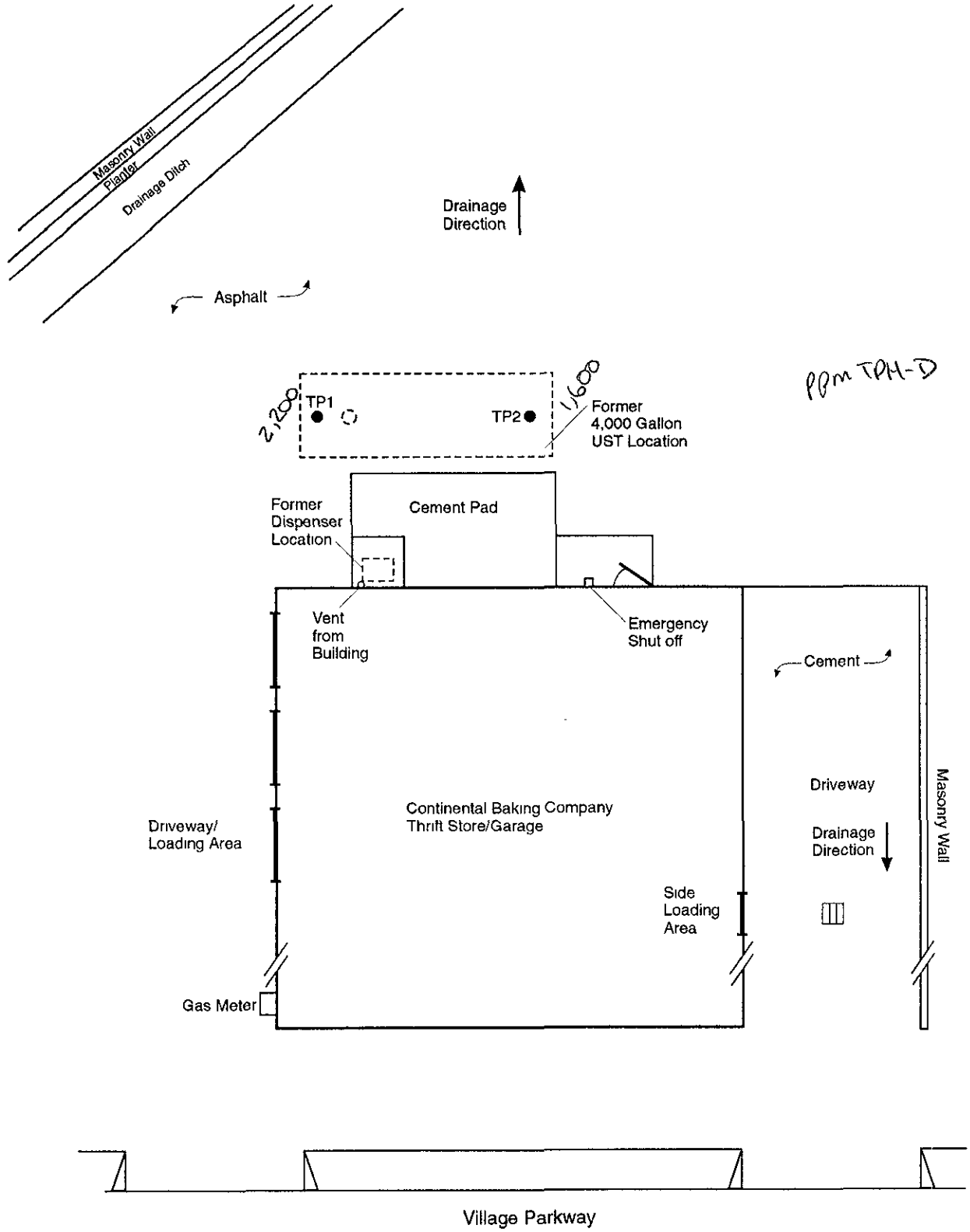
Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, California	SITE LOCATION	Figure 1
Woodward-Clyde Consultants			



(not to scale)

Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, California	LOCAL LAND USE	Figure 2
Woodward-Clyde Consultants			

92CB037-0000/060392



LEGEND

- ● Tank Closure Soil Sample Locations
- ▥ Storm Drain

(not to scale)

Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, California	SITE PLAN AND LOCATIONS OF UST CLOSURE SOIL SAMPLES	Figure 3
Woodward-Clyde Consultants			

92CB037-0000/030593

APPENDIX A
UST AND CONTENTS TRANSPORTATION AND DISPOSAL DOCUMENTATION

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

92201810

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CACP0078148080 — Manifest Document No.: 3 5 1
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 922018

B. State Generator's ID

3. Generator's Name and Mailing Address: Continental Baking Co, 6847 Village Pkwy x Dublin BL, Dublin Ca 94566

4. Generator's Phone: 415 552 0950

5. Transporter 1 Company Name: Erickson Inc

6. US EPA ID Number: CAD009466392

C. State Transporter's ID: 304195

D. Transporter's Phone: 510 - 235

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address:
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	001	TP	19000	P
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above:
Qty. 1 Empty Storage Tank (s) #10332 ,
, # Tank (s) have been inerted with 15 lbs.
Dry Ice per 1000 Gal. Capacity.

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

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around
S.T.'s 24 Hr. Contact Name [signature] & Phone 415-552 0950

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	Signature	Month	Day	Year
FRED DANNECKER	[signature]	12	17	91

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Robert Noia	[signature]	12	17	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / TRANSPORTER / FACILITY

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

DTSC 8022A (12/91)
EPA 8700—22

ERICKSON
255 Parr Boulevard, Richmond, California 94801
(510) 235-1393 • FAX (510) 235-8709
Contr. Lic. No. 168067

CUSTOMER JOB ORDER

ERICKSON, Inc.

JOB NO. 30351-0-00

DAY. ~~M T W T F SAT SUN~~

EMPLOYEE'S NAME Raja

☑ Driver ☑ ETI ☐ Envirovac

DATE 12/17/92

☐ T & M ☐ BID ☐ COD
☐ JOB START ☐ JOB IN PROGRESS ☐ JOB CLOSED ☐ Laborer

CUSTOMER NO.	P.O./CONTRACT NO.	CONTRACT REL. NO.	POWER NO.	TRAILER NO.
18505				

CUSTOMER NAME BRIAN

JOBSITE ADDRESS PETROLEUM ENG
6841 VILLAGE PKWY. X DUBLIN BL
CONNTINENTAL BAKING CO.

CONTACT DUBLIN, CA PHONE NO. (707) 545-0360

DRIVER INSTRUCTIONS

T&D OF 1-4F STEEL TANK.

☐ RUBBER GEAR
☑ GLOVES
☑ GOGGLES
☐ RESPIRATORS
☐ OTHER

EQUIPMENT OR MATERIAL USED

WASTE MATERIAL	QUANTITY	HW MANIFEST NO
T R	1 Tank	922 0181 8

DISPOSAL SITE	DATE & APPOINTMENT TIME	PROFILE NO./W/S NO
ERICKSON YARD	1330 ON SITE	

COMMENTS (EXPLAIN JOB DELAYS)

BILLING DESCRIPTION CASHIERS CHECK FOR $1,000.00 Check Num 589729

CUSTOMER ACKNOWLEDGES WORK PERFORMED

CUSTOMER'S SIGNATURE X [signature] DATE 12-17-92

EMPLOYEE'S SIGNATURE X [signature]

[redacted]

ERICKSON, INC. CAN PROVIDE COMPLETE HAZARDOUS WASTE MANAGEMENT AND TRANSPORTATION TO SERVE YOU PLEASE CALL US AT **(415) 235-1393** IF YOU HAVE ANY QUESTIONS OR IF WE CAN PROVIDE ADDITIONAL SERVICE
ERICKSON, INC., A FULL SERVICE COMPANY SINCE 1942. WE APPRECIATE YOUR BUSINESS.

YELLOW — CUSTOMER COPY

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Co
Sacramento, California

92183251

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: CAC000781480 83281
2. Page 1 of
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
CONTINENTAL BAKING
1525 BRYANT STREET
SAN FRANCISCO, CA. 94103
GENERATING SITE:
6841 VILLAGE PARKWAY
DUBLIN, CA.
4. Generator's Phone (415) 861-3858

[redacted]

5. Transporter 1 Company Name
CROSBY & OVERTON, INC.
6. US EPA ID Number
CAD98252440
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
GIBSON ENVIRONMENTAL
475 SEAPORT BLVD.
REDWOOD CITY, CA. 94063
10. US EPA ID Number
CAD04326070 2

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ HAZARDOUS WASTE LIQUID N.O.S. ORM-E NA 9189 (D018)	001	TT	00150	G
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above
11A. WATER/PETROLEUM HYDROCARBONS CONTAINING BENZENE

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

15. Special Handling Instructions and Additional Information
AVOID CONTACT EYES AND SKIN
24 HOUR EMERGENCY PHONE NUMBER 510 633-0336
GIBSON REL #
ERG # 31

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: FRED DAUNECKER | Signature: [signature] | Month Day Year: 12 17 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] | Signature | Month Day Year: 12 17 92

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

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (12/91)
EPA 8700—22

Yellow GENERATOR RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Co
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

C A C 0 0 0 7 8 1 4 8 0 | 8 3 2 5 1

3. Generator's Name and Mailing Address
CONTINENTAL BAKING
1525 BRYANT STREET
SAN FRANCISCO, CA. 94103

GENERATING SITE:
6841 VILLAGE PARKWAY
DUBLIN, CA.

4. Generator's Phone (415) 861-3858

5. Transporter 1 Company Name | 6. US EPA ID Number
CROSBY & OVERTON, INC. | C A D 9 8 2 5 2 4 4 8 0

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address | 10. US EPA ID Number
GIBSON ENVIRONMENTAL
475 SEAPORT BLVD.
REDWOOD CITY, CA. 94063 | C A D 0 4 3 2 6 0 7 0 2

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ HAZARDOUS WASTE LIQUID N.O.S. ORM-E NA 9189 (D018)	001	T	00150	G
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above | K. Handling Codes for Wastes Listed Above

11A. WATER/PETROLEUM HYDROCARBONS CONTAINING BENZENE | b. | d.

15. Special Handling Instructions and Additional Information
AVOID CONTACT EYES AND SKIN
24 HOUR EMERGENCY PHONE NUMBER 510 633-0336
GIBSON REL #
ERG # 31

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	Signature	Month	Day	Year
X FRED DAWECKER		12	17	9

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Aaron Irving		12	17	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	Signature	Month	Day	Year

GENERATOR | TRANSPORTER | FACILITY

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

92183251

DO NOT WRITE BELOW THIS LINE.

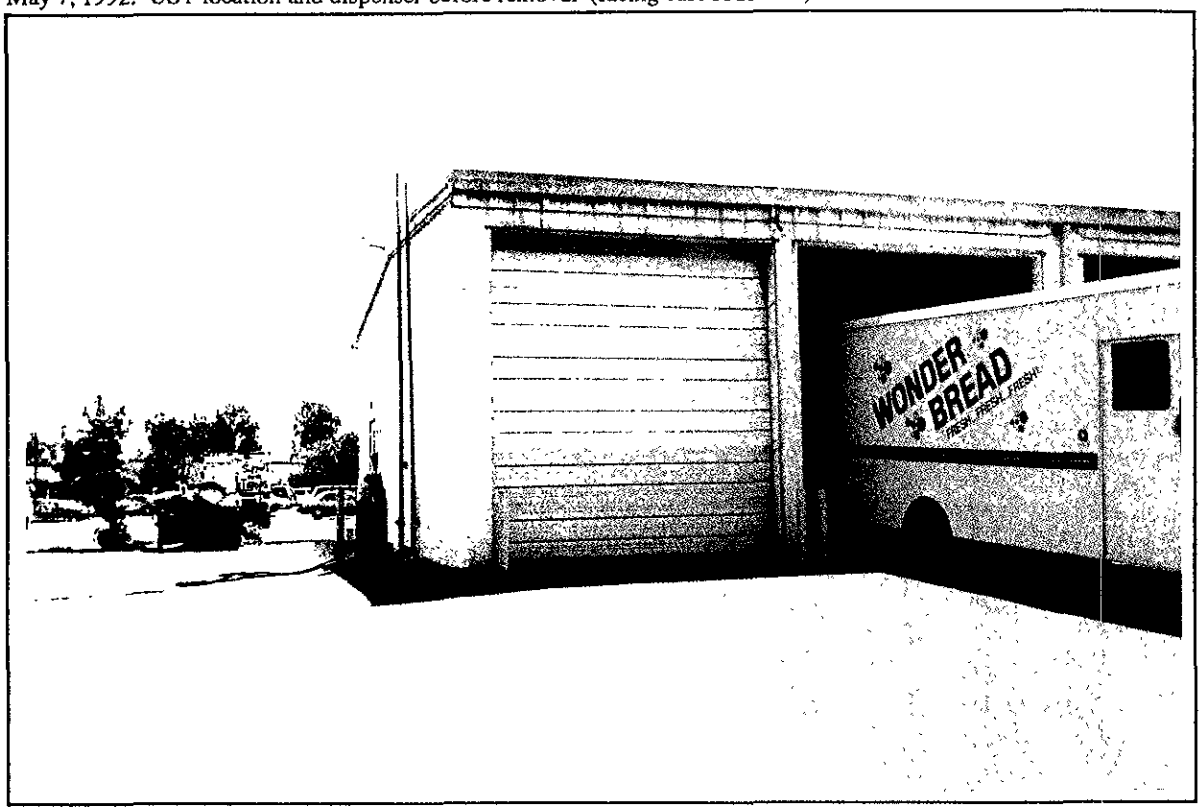
Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O Box 400, Sacramento, CA 95812-0400

DTSC 8022A (12/91)
EPA 8700—22

APPENDIX B
SITE PHOTOGRAPHS

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

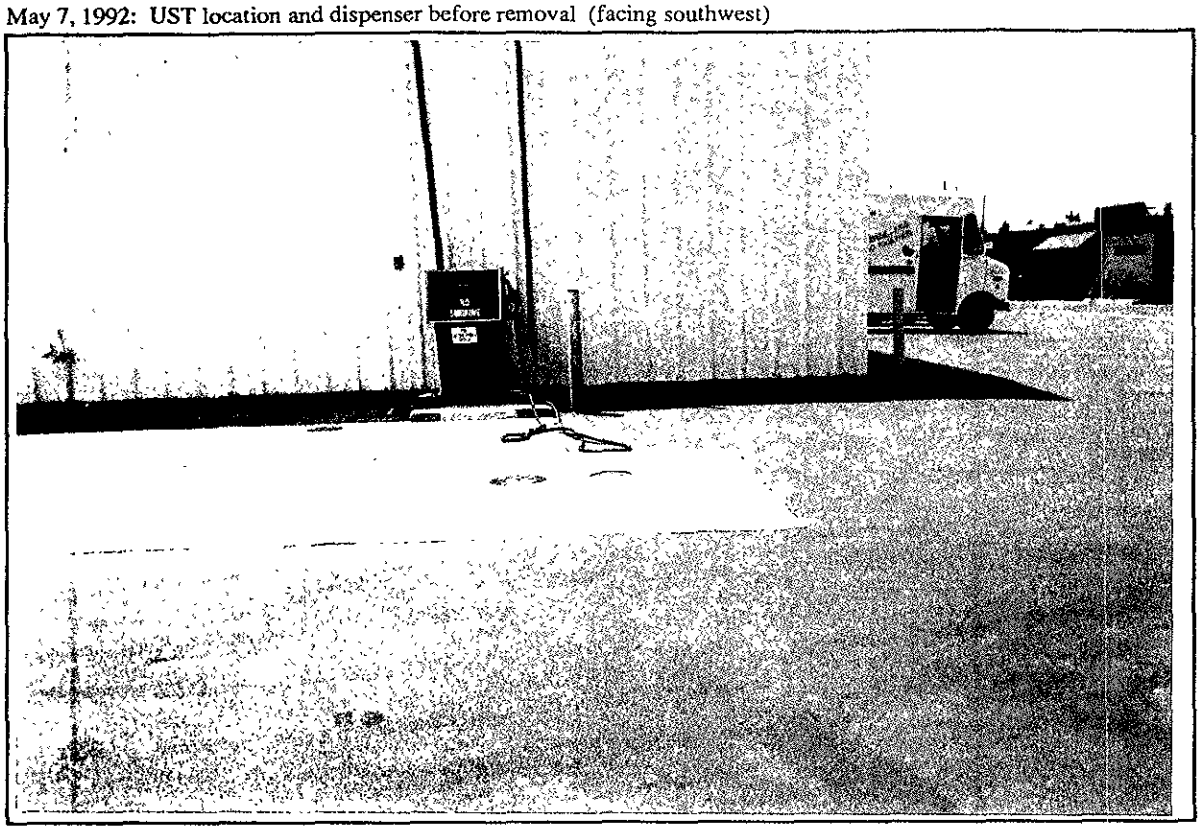
May 7, 1992: UST location and dispenser before removal (facing east-southeast)



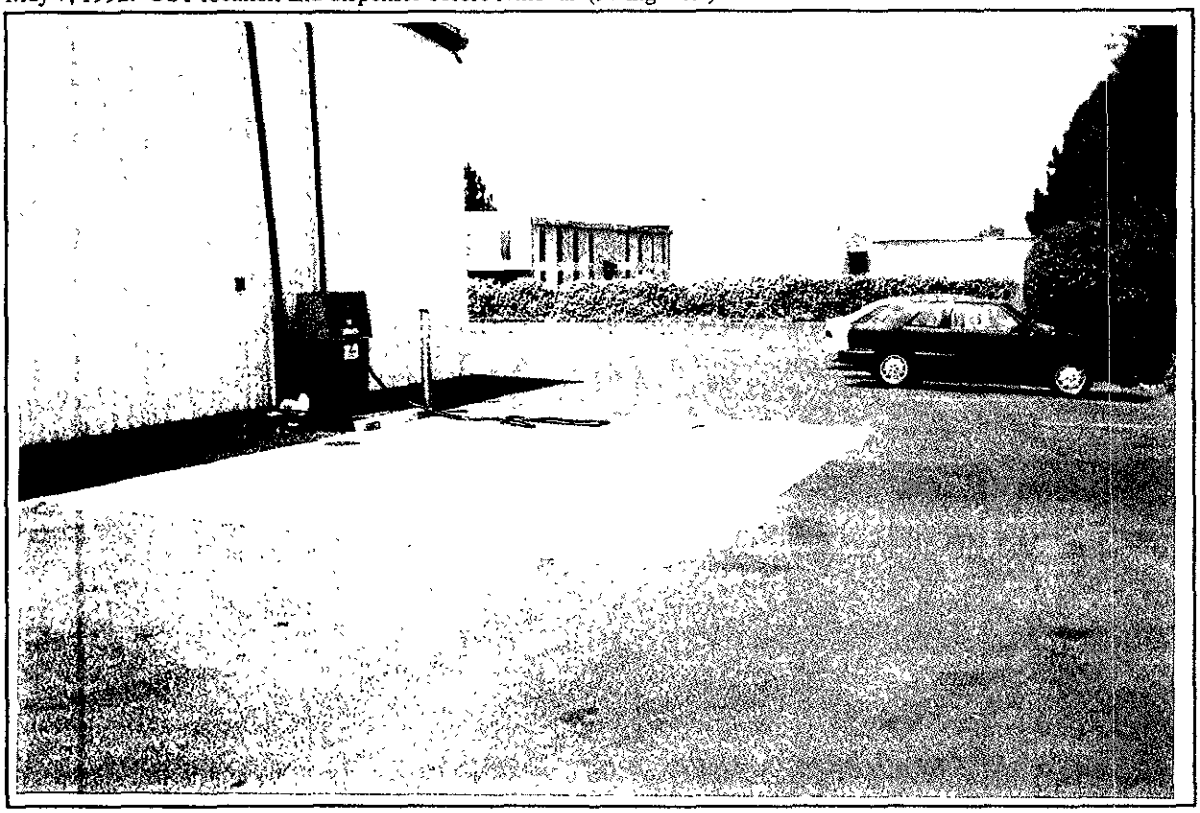
May 7, 1992: Dispenser and UST vent lines before removal (facing southeast)

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

May 7, 1992: UST location and dispenser before removal (facing southwest)



May 7, 1992: UST location and dispenser before removal (facing west)



CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

December 17, 1992: Top of UST during removal activities (facing north)

December 17, 1992: Product and vent lines during removal activities (facing west)

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

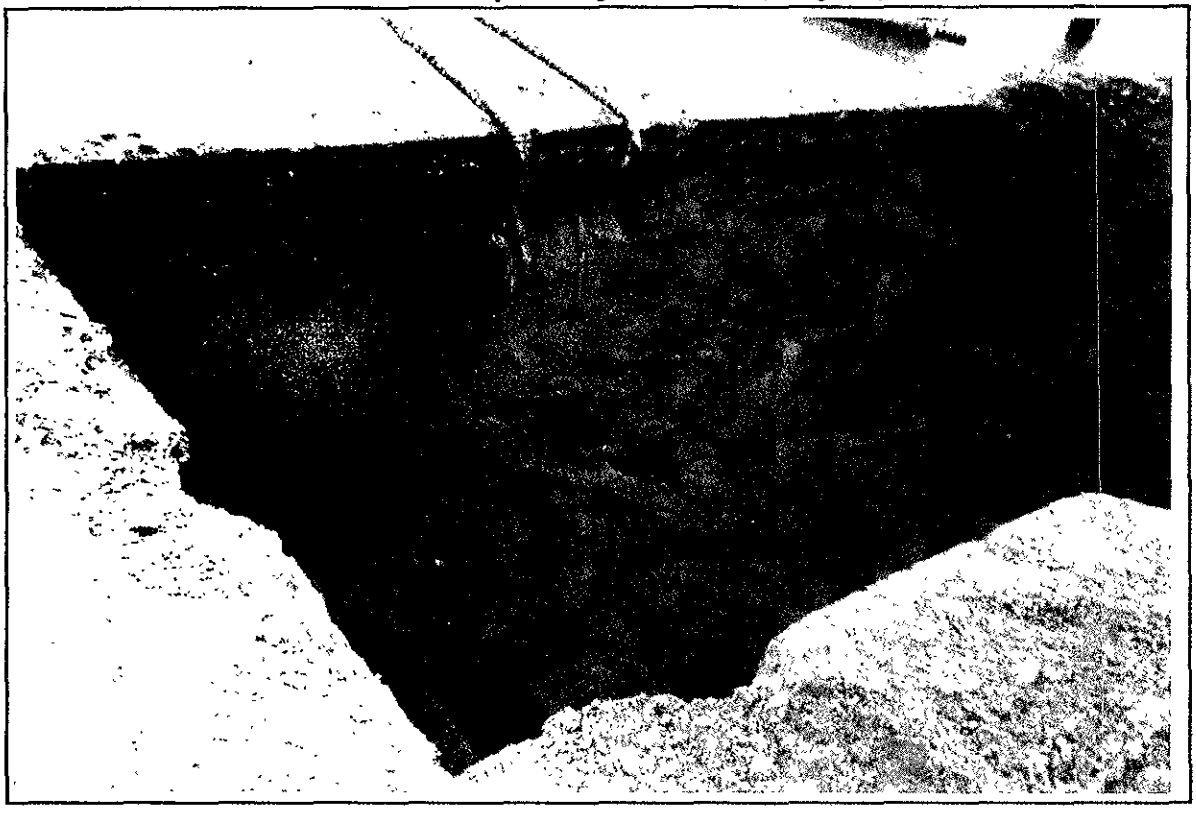
December 17, 1992: Tank excavation immediately following UST removal (facing north)

December 17, 1992: Tank excavation immediately following UST removal (facing east)

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

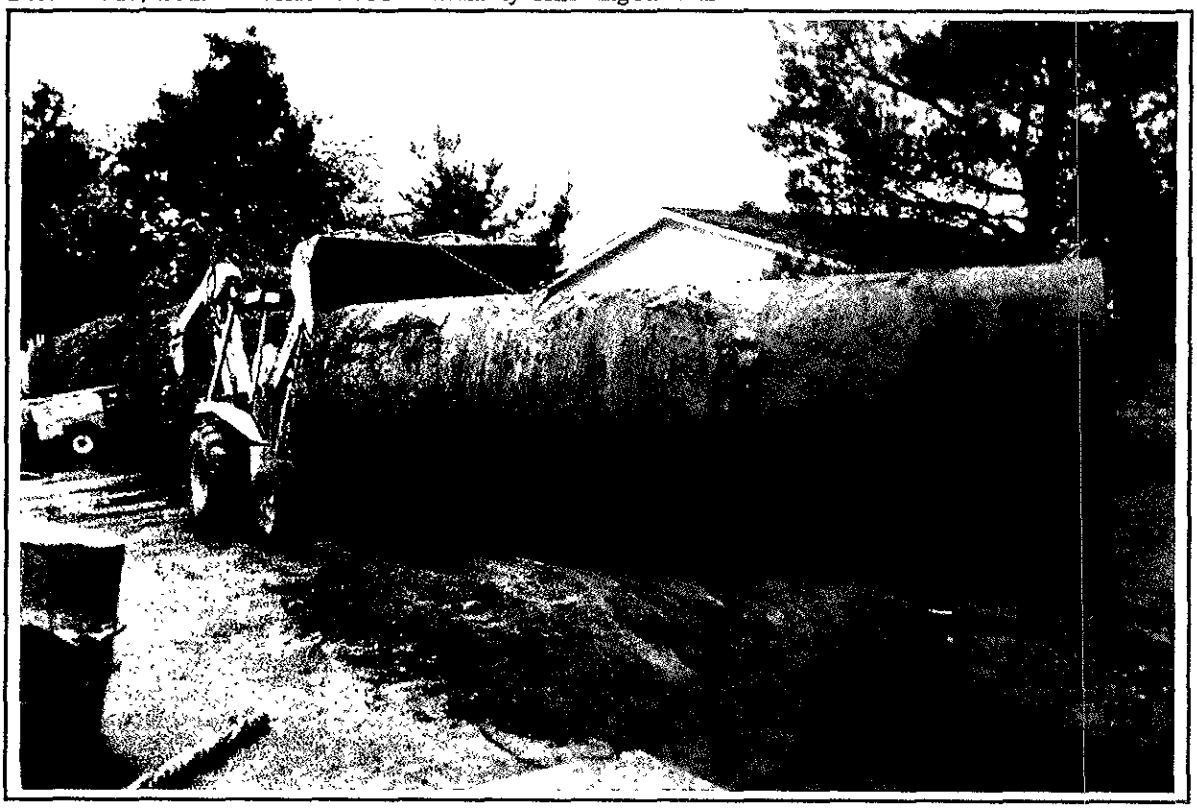
December 17, 1992: Tank excavation immediately following UST removal (facing south)

December 17, 1992: Tank excavation immediately following UST removal (facing west)



CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

December 17, 1992: West side of UST immediately following removal

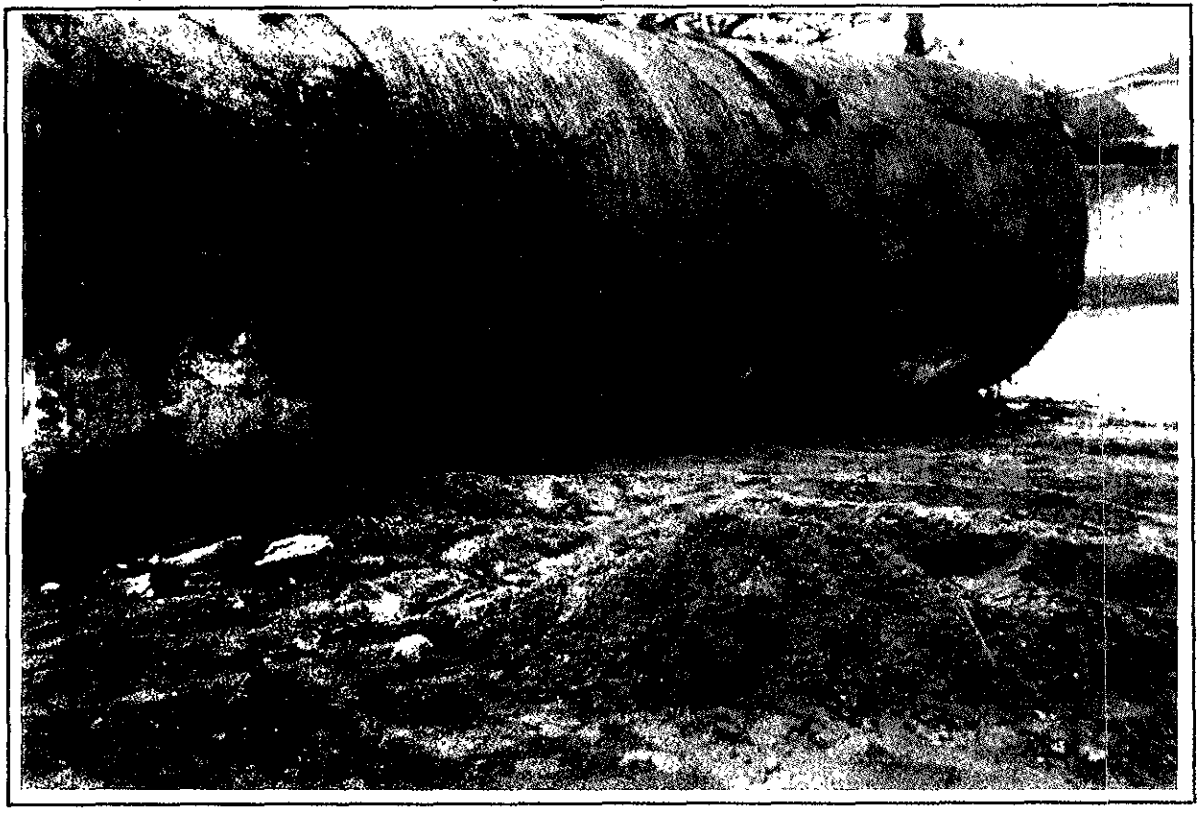


December 17, 1992: South end of UST immediately following removal

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

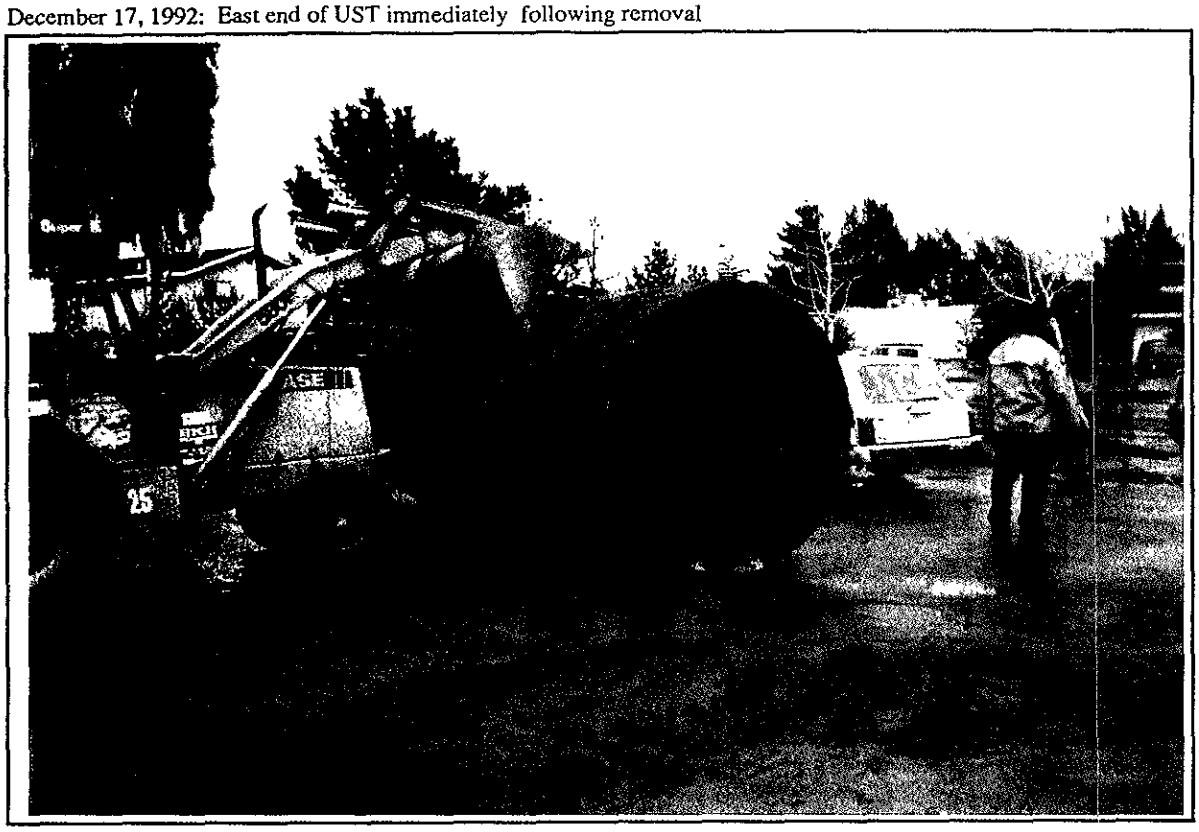
December 17, 1992: North end of UST immediately following removal

December 17, 1992: Bottom of UST immediately following removal



CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

December 17, 1992: East end of UST immediately following removal



December 17, 1992: Bottom of excavation immediately following UST removal

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

December 17, 1992: Stockpiled soil at east corner of site

December 18, 1992: Dispenser pad after removal of dispenser

CONTINENTAL BAKING COMPANY
6841 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

December 18, 1992: Stockpiled soil at east corner of site (after covering)

APPENDIX C
ANALYTICAL REPORTS

NAT /ETC

Mid-Pacific Environmental Laboratory, Inc.
625B Clyde Avenue
Mountain View CA 94043
415) 964 0844
FAX 415 961 7113

February 24, 1993

Ms. Anita Yan
Woodward Clyde Consultants
500 12th Street, Suite 100
Oakland, CA 94607-4014

Dear Ms. Yan:

Enclosed is a revised report for MPELI Order# 92-12-133, your work ID 92CB037/0000, originally issued on January 08, 1993.

The analysis date for the reactive sulfide in QC batch nos. QRZ2A and QRZ2B have been corrected from 12/21 to 12/27.

If you should have any further questions, please do not hesitate to contact me at (415) 964-0844.

Donald Magarian

Donald Magarian
Project Manager

NAT /ETC
Mid-Pacific Environmental Laboratory, Inc.
625B Clyde Avenue
Mountain View, CA 94043
(415) 964-0844
FAX (415) 961-7113

REVISED

Woodward Clyde Consultants
500 12th Street Suite 100
Oakland, CA 94607-4014

February 24, 1993
MPELI Order#: 92-12-133
Date Received: 12/18/92

Attn: Anita Yan

Subject: Analysis of 1 composite of 4 soils

Work ID: 92CB037/0000

P.O. #: none given

Pages in report: 4

Samples were analyzed for requested general chemical parameters following Methods for Chemical Analysis of Water and Wastes (EPA 1983) or Test Methods for Evaluating Solid Wastes (SW-846, 3rd Ed.,1986). The test method used is listed along with the particular analysis.

NOTES

All analyses have been conducted in batches of 20 samples or less. Each QC batch consists of a method blank, a Matrix Spike, a Matrix Spike Duplicate and a Laboratory Control Sample. The QC information is in a separate QC Report at the end of the regular report. To find the associated QC data, identify the batch number for the analysis of interest and look for that number in the QC Report for that test. Occasionally a sample will be associated with a sub-batch, which will end in a letter other than "A". The main batch will include the original blank, MS, MSD, and LCS. The sub-batch will contain the additional blank associated with the sample and LCS.

All analytes reported above detection limits on gas chromatography analyses have been confirmed by a second dissimilar column.

Samples were diluted when one or both of the following situations existed:

1) one or more analytes was present at a level above the linear calibration range of the instrument; or
2) compounds were present at levels that could damage the instrument.

The following flags and abbreviations are used in this report:

ND - Not detected above the detection limit stated.
** - See other dilution.
Freon 113 - 1,1,2-Trichloro-1,2,2-trifluoroethane. Not an 8010 compound.
MS(D) - Matrix spike (Duplicate)
LCS(D) - Laboratory Control Sample (Duplicate)
RPD - Relative percent difference

N/A - Not applicable

REVISED

If you should have any technical questions, please contact the undersigned at (415) 964-0844.

Approved by: Donald C Magann
Client Services

Woodward Clyde Consultants

REVISED

Client ID: Comp SP1-A,B,C,D
MPELI ID: 9212133 - 05A
Matrix: SOIL

Date collected: 12/17/92
Date received: 12/18/92

Test description	Method	Result	Report Limit	Units	Prep Date	Run Date	QC Batch
Reactive cyanide	EPA 7.3.3.2	ND	10	mg/L	12/27	12/27	QRZ2B
Reactive sulfide	EPA 7.3.4.2	ND	10	mg/L	12/27	12/27	QRZ2B

Woodward Clyde Consultants

REVISED

Batch #: QRZ2A Units: mg/L

Test Description	Method	Blank Result	Blank Lmt	Spike Level	%Recovery MS	%Recovery MSD	%Recovery LCS	RPD	Date Run
Reactive cyanide	EPA 7.3.3.2	ND	10	48.4	64		66		12/27

Batch #: QRZ2B Units: mg/L

Test Description	Method	Blank Result	Blank Lmt	Spike Level	%Recovery LCS	Date Run
Reactive cyanide	EPA 7.3.3.2	ND	10	48.4	66	12/27

Batch #: QRZ2A Units: mg/L

Test Description	Method	Blank Result	Blank Lmt	Spike Level	%Recovery MS	%Recovery MSD	%Recovery LCS	RPD	Date Run
Reactive sulfide	EPA 7.3.4.2	ND	10	988	61		87		12/27

Batch #: QRZ2B Units: mg/L

Test Description	Method	Blank Result	Blank Limit	Original Result	Duplicate Result	RPD	Date Run
Reactive sulfide	EPA 7.3.4.2	ND	10	710	693	2.4	12/27

92-12-154 9212-133

Woodward-Clyde Consultants
500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. 92C8037/0000

SAMPLERS: (Signature) [signature]

	DATE	TIME	SAMPLE NUMBER	Sample Matrix (S)oil, (W)ater, (A)ir	EPA Method 8015*	EPA Method 8020 BTEX	DHS LUFT TTLC	EPA Method	RCI	TPH-gas m8015	TPH-diesel m8015	Number of Containers	REMARKS (Sample preservation, handling procedures, etc.) rec cool
1	17DEC92	1503	TP1		X	X	X					1	* M8015 for TPH-diesel
2	17DEC92	1513	TP2		X	X	X					1	analyze TPH-gas only if TEL is detected
3	17DEC92	1615	SP1-A (composite at lab)						X	X	X	1	
4	17DEC92	1617	SP1-B (composite at lab)						X	X	X	1	
5	17DEC92	1619	SP1-C (composite at lab)						X	X	X	1	
6	17DEC92	1621	SP1-D (composite at lab)						X	X	X	1	

Please call Anita Yan (510) 874 3081 with questions. Also send bills and reports to the attention of Anita Yan.

TOTAL NUMBER OF CONTAINERS: 6

No. of Samples for analysis = 3

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	18 DEC 92				

METHOD OF SHIPMENT:	SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
COURIER	18DEC92 [signature]	S Ridgely 766	[signature]	12/18/92 1645

NAT EX /ETC

Mid-Pacific Environmental Laboratory, Inc.
625B Clyde Avenue
Mountain View, CA 94043
(415) 964-0844
FAX (415) 961-7113

March 03, 1993

Ms. Anita Quesada
Woodward Clyde Consultants
500 12th Street, Suite 100
Oakland, CA 94607-4014

RE: MPEL Order NO. 92-12-130

Dear Ms. Quesada:

In regard to your inquiries concerning the identification of "unknown hydrocarbons" reported in the TPH-Gasoline analysis, the following statement applies:

Sample SP1 A,B,C,D Composite (MPEL ID 9212130-07): The unknown hydrocarbon pattern that appears in the TPH-Gasoline analysis elutes very late in the scan, at the end of the gasoline elution profile. This is consistant with the detection of diesel in the TPH-Diesel analysis of this sample, but cannot be confirmed since diesel standards are not analyzed in the TPH-Gasoline scan.

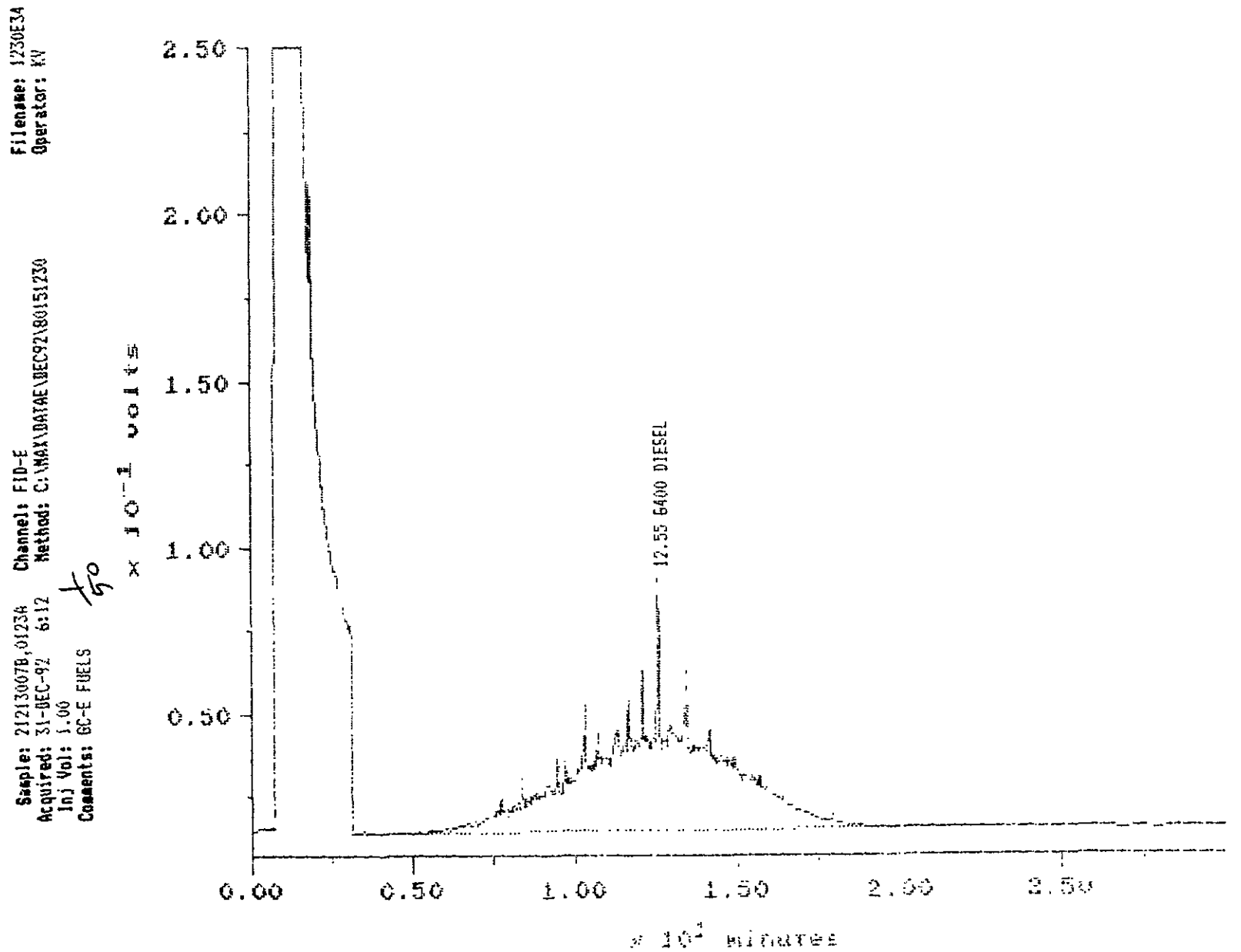
Copies of sample and standard chromatograms are enclosed.

If you should have any further questions, please do not hesitate to contact me at (415) 964-0844.

Donald C. Magarian

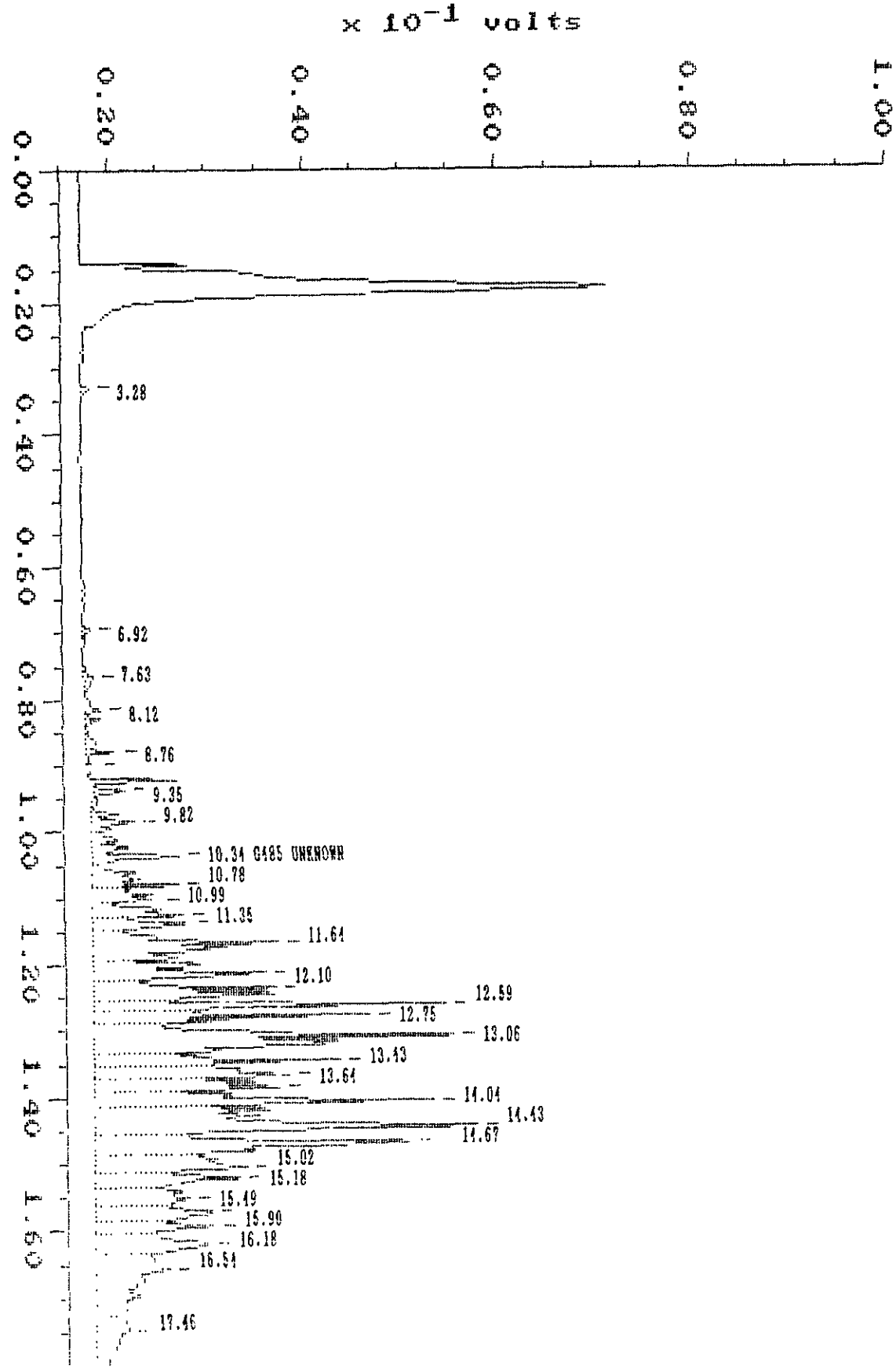
Donald Magarian
Project Manager

SP1 A,B,C,D Composite (TPH-D)



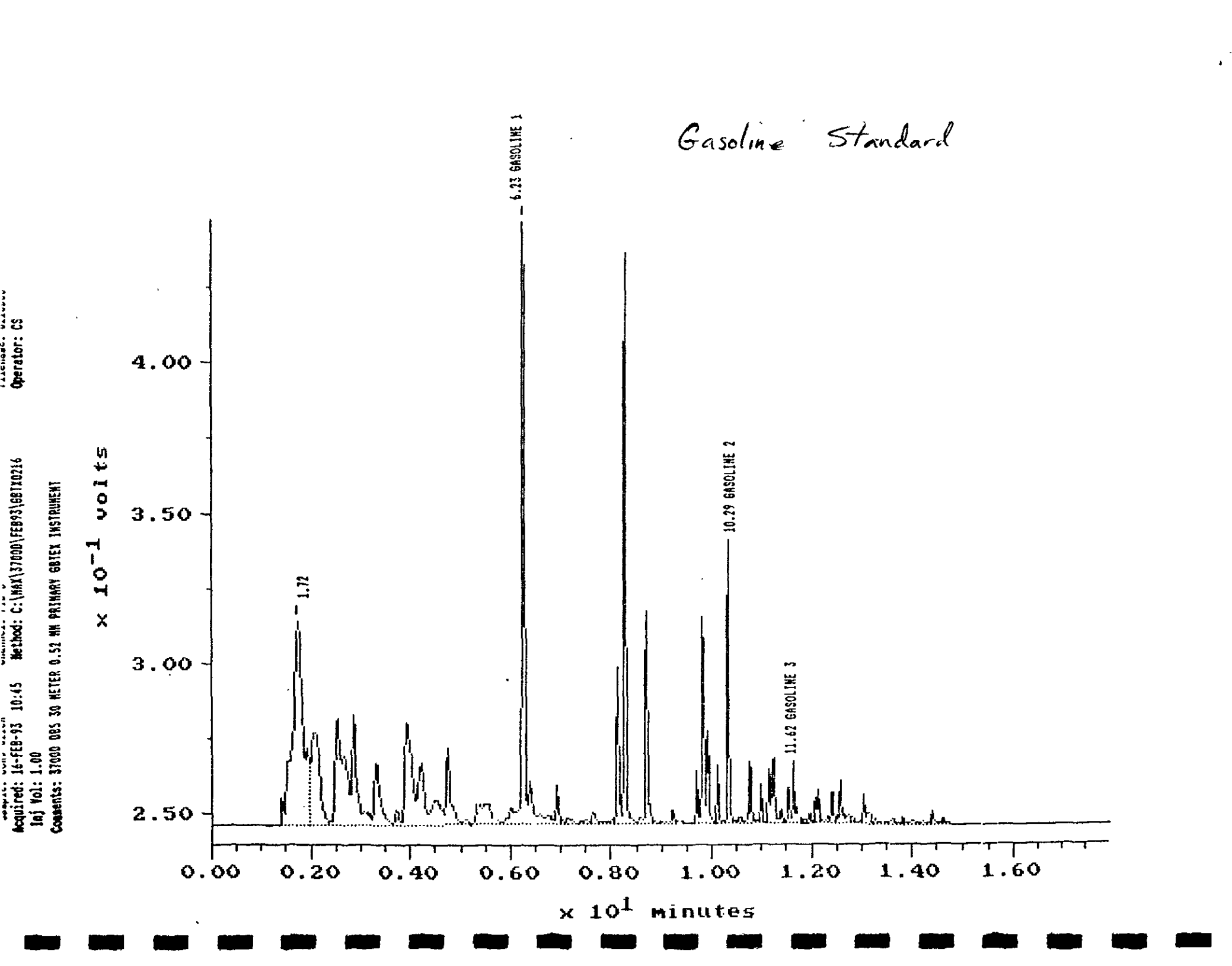
Sample: 21213007A,S088A Channel: FID-D
Acquired: 22-DEC-92 18:00 Method: C:\MAI\3700D\DEC92\GBTX1222
Dilution: 1 : 20.000
Comments: 3700D DB5 30 METER 0.52 MM PRIMARY GBTEX INSTRUMENT

Filename: 1222D19
Operator: CS

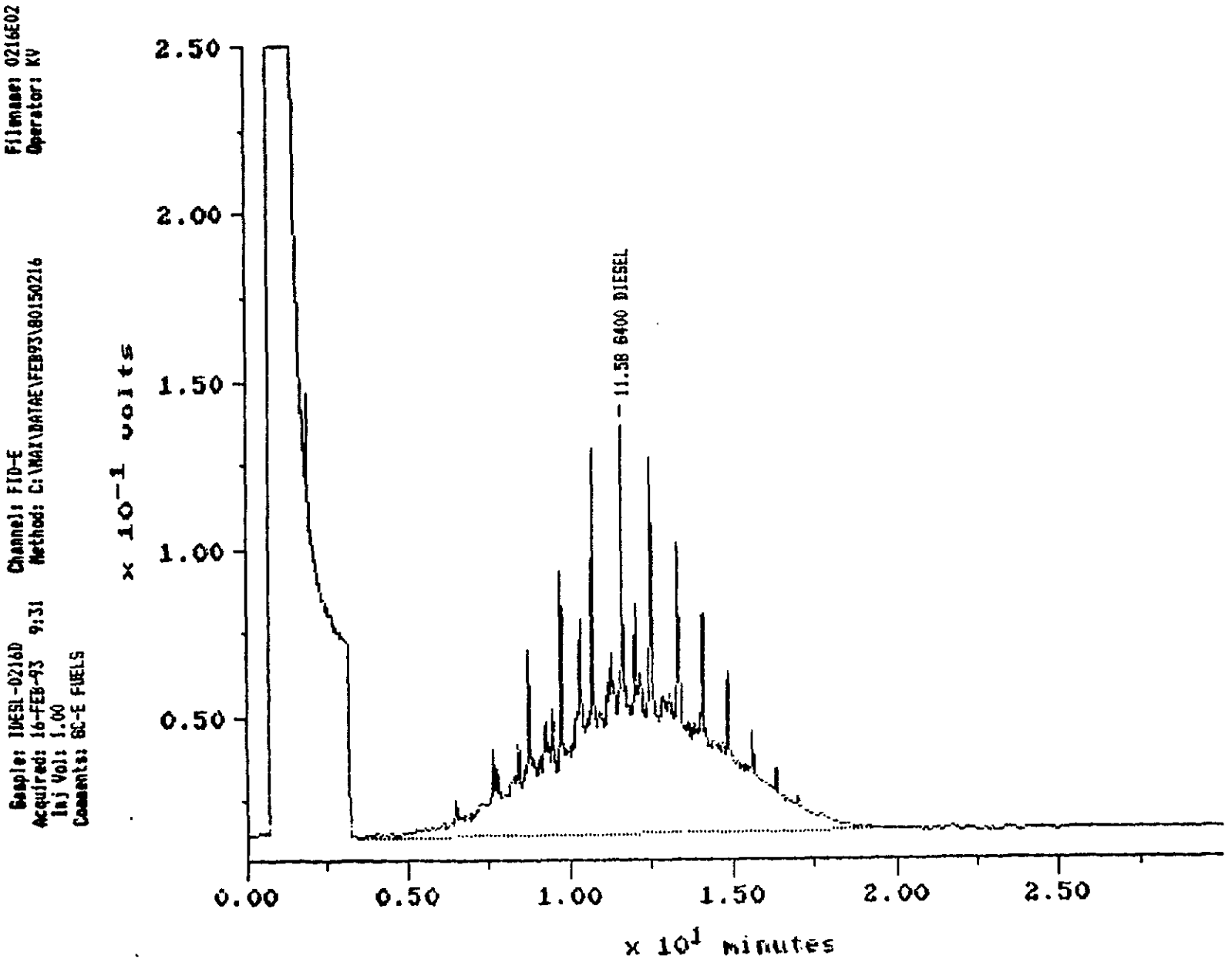


SP1A, B, C, D Composite (TPH-G)

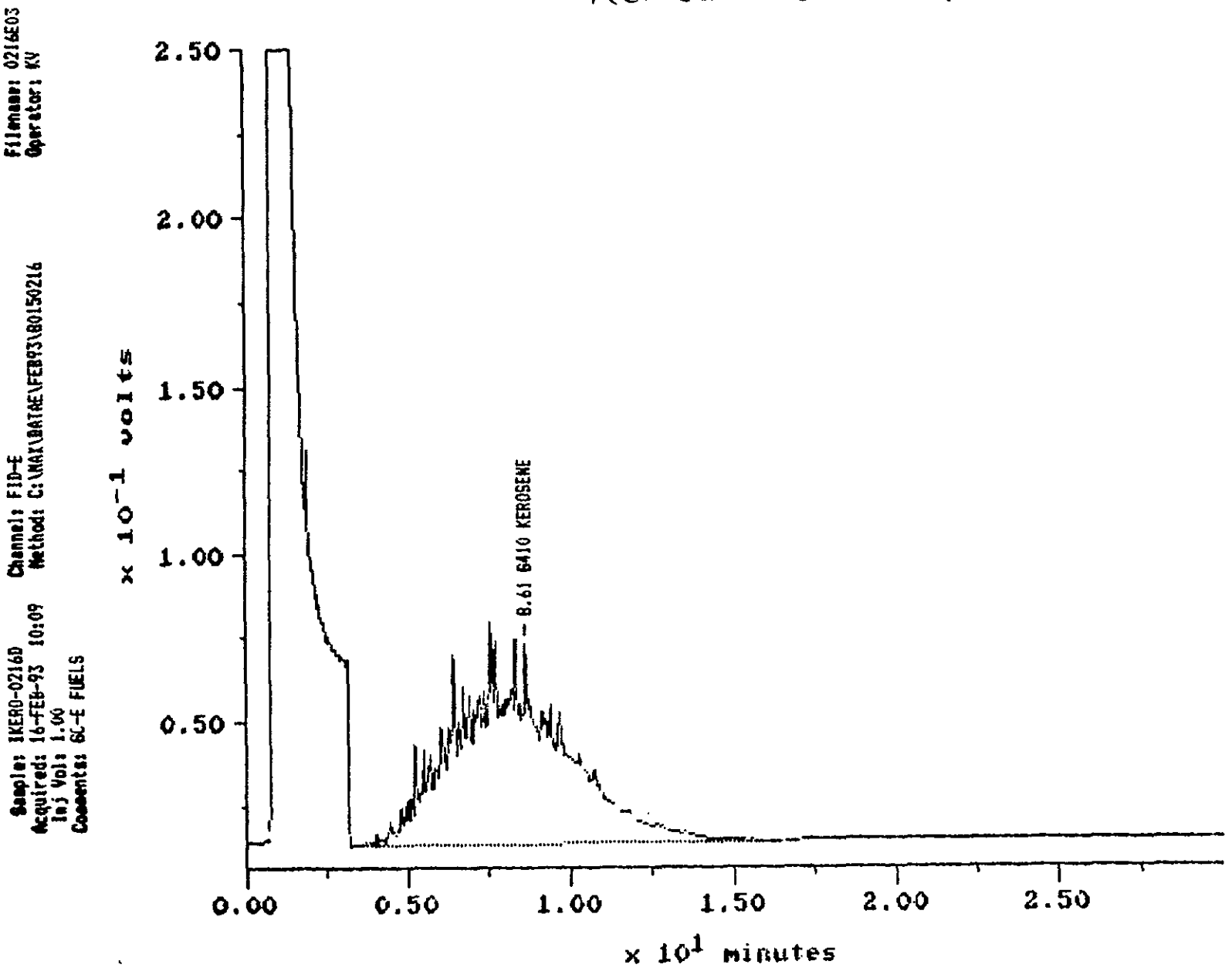
Gasoline Standard

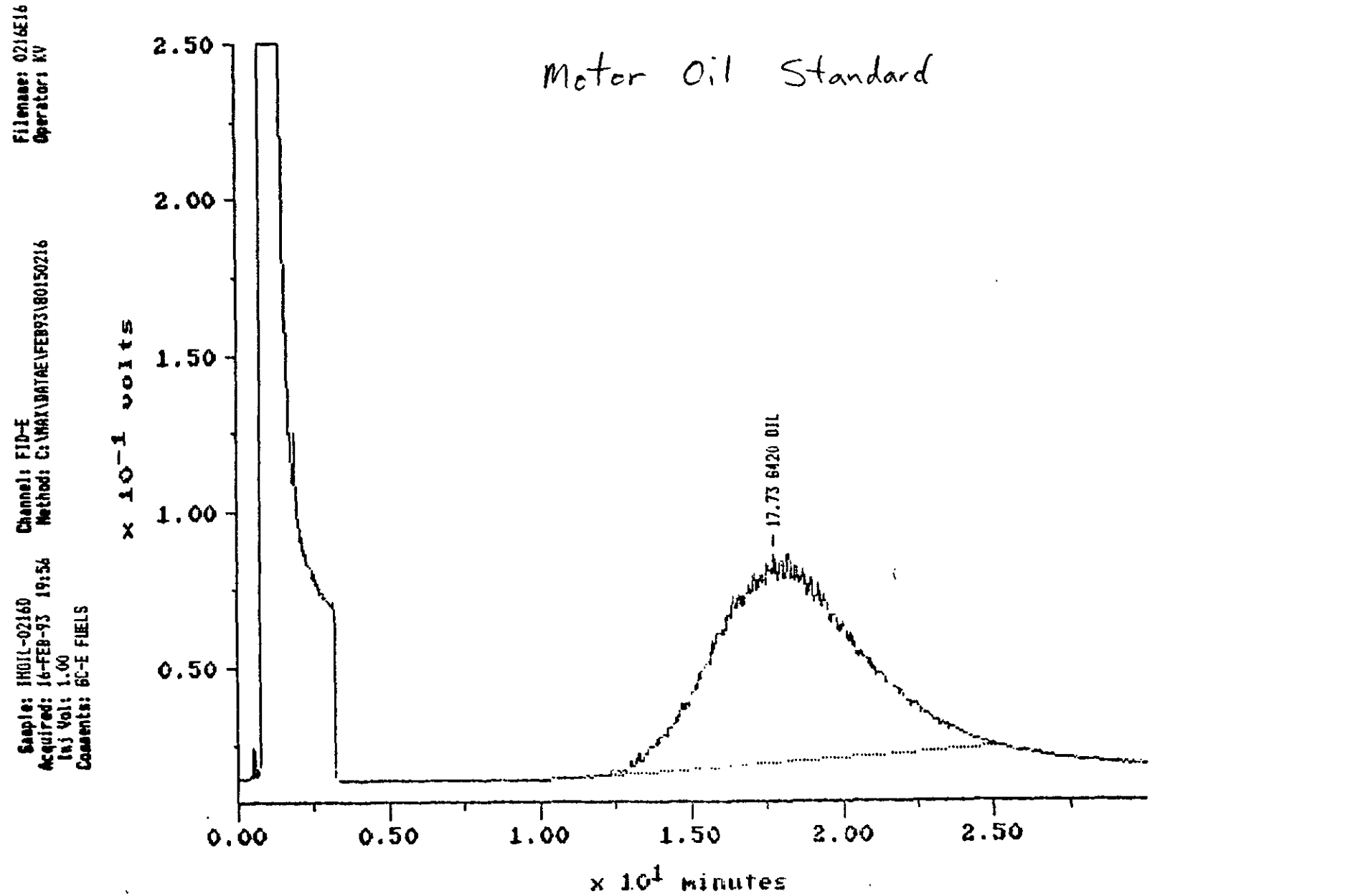


Diesel Standard

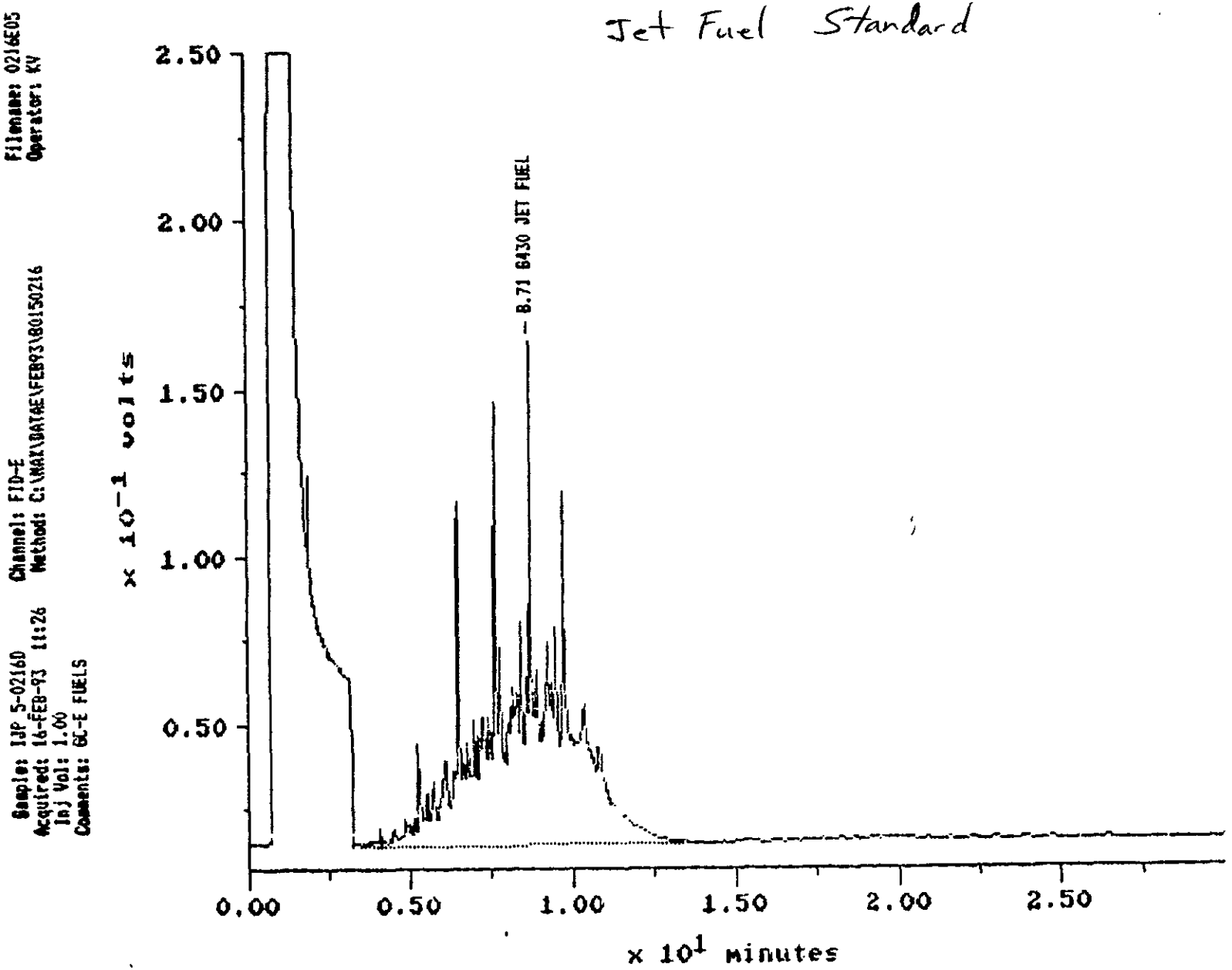


Kerosene Standard




Motor Oil Standard
Filename: 021616
Operator: KV
Sample: INOIL-02160
Acquired: 16-FEB-93 19:54
Inj Vol: 1.00
Comments: GC-E FUELS
Channel: FID-E
Method: C:\MAX\DATAE\FEB93\80150216
2.50
2.00
1.50
1.00
0.50
x 10-1 volts
17.73 6420 OIL
0.00
0.50
1.00
1.50
2.00
2.50
x 10¹ minutes

Jet Fuel Standard



NAT EX /ETC

Mid-Pacific Environmental Laboratory, Inc.
625B Clyde Avenue
Mountain View, CA 94043
(415) 964-0844
FAX (415) 961-7113

March 22, 1993

Ms. Anita Yan
Woodward Clyde Consultants
500 12th Street, Suite 100
Oakland, CA 94607-4014

Dear Ms. Yan:

Enclosed is a revised report for MPELI Order# 92-12-130, your work ID 92CB037/0000, originally issued on January 12, 1993.

The results for the TPH-Gasoline analysis for composite sample SP1-A,B,C,D have been expanded to include BTEX. Also, it was discovered that QC batch # 0115A, for pH, was omitted from from the initial report and has been added to this revision.

If you should have any further questions, please do not hesitate to contact me at (415) 964-0844.

Donald Magarian
Project Manager

NATEX/ETC

Mid-Pacific Environmental Laboratory, Inc.
625B Clyde Avenue
Mountain View, CA 94043
(415) 964-0844
FAX (415) 961-7113

REVISED

Woodward Clyde Consultants
500 12th Street Suite 100
Oakland, CA 94607-4014

March 22, 1993
MPELI Order#: 92-12-130
Date Received: 12/18/92

Attn: Anita Yan

Subject: Analysis of 2 Soil Samples, 1 Composite

Work ID: 92CB037/0000

P.O. #: none given

Pages in report: 16

Analysis of soil samples for higher boiling petroleum hydrocarbons (diesel, kerosene, & oil) was performed according to guidelines established in the Regional Water Quality Control Board (RWQCB) Leaking Underground Fuel Tank (LUFT) manual. This is also known as the modified 8015 protocol based on USEPA Method 8015 (Test Methods for Evaluating Solid Waste -- SW846, 3rd Ed.,1986).

Preparation and analysis of soil samples for organic metals by Flame Atomic Absorption were performed by following California Dept of Health Services SOP #938 Rev. 1, March 1989.

Analysis of soil samples for lower boiling petroleum hydrocarbons (benzene, toluene, ethylbenzene, xylenes, and gasoline) was performed according to guidelines established in the Regional Water Quality Control Board (RWQCB) Leaking Underground Fuel Tank (LUFT) manual. This is also known as the modified 8015 protocol based on USEPA Method 8015 (Test Methods for Evaluating Solid Waste -- SW846, 3rd Ed.,1986).

Samples were analyzed for requested general chemical parameters following Methods for Chemical Analysis of Water and Wastes (EPA 1983) or Test Methods for Evaluating Solid Wastes (SW-846, 3rd Ed.,1986). The test method used is listed along with the particular analysis.

NOTES

Method TPH-GAS: For the analysis of the composite sample, a chromatographic pattern was observed that did not match the patterns of our in-house standards for this method. This component was semi-quantitated by comparison to the gasoline standard and is reported as "unknown".

QC Batch# 0123A: The MS/MSD recoveries were unobtainable due to the high level of analyte present in the sample selected. The result of the LCS is reported.

All analyses have been conducted in batches of 20 samples or less. Each QC batch consists of a method blank, a Matrix Spike, a Matrix Spike Duplicate and a

Laboratory Control Sample. The QC information is in a separate QC Report at the end of the regular report. To find the associated QC data, identify the batch number for the analysis of interest and look for that number in the QC Report for that test. Occasionally a sample will be associated with a sub-batch, which will end in a letter other than "A". The main batch will include the original blank, MS, MSD, and LCS. The sub-batch will contain the additional blank associated with the sample and LCS.

All analytes reported above detection limits on gas chromatography analyses have been confirmed by a second dissimilar column.

Samples were diluted when one or both of the following situations existed:

1) one or more analytes was present at a level above the linear calibration range of the instrument; or
2) compounds were present at levels that could damage the instrument.

The following flags and abbreviations are used in this report:

ND - Not detected above the detection limit stated.
** - See other dilution.
Freon 113 - 1,1,2-Trichloro-1,2,2-trifluoroethane. Not an 8010 compound.
MS(D) - Matrix spike (Duplicate)
LCS(D) - Laboratory Control Sample (Duplicate)
RPD - Relative percent difference
N/A - Not applicable

If you should have any technical questions, please contact the undersigned at (415) 964-0844.

Approved by: Donald Hagan
Client Services

Woodward Clyde Consultants
Analytical Results - TPH as Diesel by GC /soil

Client ID: TP1
MPELI ID: 9212130-01B
Matrix: SOIL
QC Batch: 0123A

Collected: 12/17/92
Received: 12/18/92
Extracted: 12/21/92
Analyzed: 12/31/92
Dilution factor: 10.0

Concentration, mg/kg

PARAMETER	RESULT	LIMIT
Diesel	2200	10.0
Kerosene	ND	10.0
Motor Oil	ND	100

Woodward Clyde Consultants
Analytical Results - TPH as Gas,BTEX by GC/soil

Client ID: TP1
MPELI ID: 9212130-01A
Matrix: SOIL
QC Batch: S089A

Collected: 12/17/92
Received: 12/18/92
Analyzed: 12/30/92
Dilution factor: 1.00

Concentration, ug/kg

PARAMETER	RESULT	LIMIT
Benzene	ND	20
Toluene	ND	20
Ethylbenzene	38	20
Total Xylenes	60	20

SURROGATE	%RECOVERY	LIMITS
Bromofluorobenzene	59	42-137

Woodward Clyde Consultants
Analytical Results - TPH as Diesel by GC /soil

Client ID: TP2
MPELI ID: 9212130-02B
Matrix: SOIL
QC Batch: 0123A

Collected: 12/17/92
Received: 12/18/92
Extracted: 12/21/92
Analyzed: 12/31/92
Dilution factor: 10.0

Concentration, mg/kg

PARAMETER	RESULT	LIMIT
Diesel	1600	10.0
Kerosene	ND	10.0
Motor Oil	ND	100

Woodward Clyde Consultants
Analytical Results - TPH as Gas,BTEX by GC/soil

Client ID: TP2
MPELI ID: 9212130-02A
Matrix: SOIL
QC Batch: S089A

Collected: 12/17/92
Received: 12/18/92
Analyzed: 12/30/92
Dilution factor: 1.00

Concentration, ug/kg

PARAMETER	RESULT	LIMIT
Benzene	ND	20
Toluene	ND	20
Ethylbenzene	88	20
Total Xylenes	58	20

SURROGATE	%RECOVERY	LIMITS
Bromofluorobenzene	58	42-137

Woodward Clyde Consultants
Analytical Results - TPH as Diesel by GC /soil

Client ID: Comp SP1-A,B,C,D
MPELI ID: 9212130-07B
Matrix: SOIL
QC Batch: 0123A

Collected: 12/17/92
Received: 12/18/92
Extracted: 12/21/92
Analyzed: 12/31/92
Dilution factor: 50.0

Concentration, mg/kg

PARAMETER	RESULT	LIMIT
Diesel	6800	50
Kerosene	ND	50
Motor Oil	ND	500

Woodward Clyde Consultants
Analytical Results - TPH as Gas,BTEX by GC/soil

Client ID: Comp SP1-A,B,C,D
MPELI ID: 9212130-07A
Matrix:
QC Batch: S088A

Collected: 12/17/92
Received: 12/18/92
Analyzed: 12/22/92
Dilution factor: 1.00

Concentration, ug/kg

PARAMETER	RESULT	LIMIT
Benzene	ND	100
Toluene	ND	100
Ethylbenzene	110	100
Total Xylenes	160	100
Gasoline	ND	20000
Unknown	220000	20000

SURROGATE	%RECOVERY	LIMITS
Bromofluorobenzene	116	42-137

Woodward Clyde Consultants

Client ID: TP1
MPELI ID: 9212130 - 01C
Matrix: SOIL

Date collected: 12/17/92
Date received: 12/18/92

Test description	Method	Result	Report Limit	Units	Prep Date	Run Date	QC Batch
Org.Lead by flame AA	DOHS	ND	0.50	mg/kg	12/27	01/07	0032A

Woodward Clyde Consultants

Client ID: TP2
MPELI ID: 9212130 - 02C
Matrix: SOIL

Date collected: 12/17/92
Date received: 12/18/92

Test description	Method	Result	Report Limit	Units	Prep Date	Run Date	QC Batch
Org.Lead by flame AA	DOHS	ND	0.50	mg/kg	12/27	01/07	0032A

Woodward Clyde Consultants

Client ID: Comp SP1-A,B,C,D
MPELI ID: 9212130 - 07C
Matrix: SOIL

Date collected: 12/17/92
Date received: 12/18/92

Test description	Method	Result	Report Limit	Units	Prep Date	Run Date	QC Batch
Flashpoint:nonliquid	EPA 1010	>70	0	Degr.C	01/05	01/05	0017A
pH in soil	EPA 9045	8.4	N/A	pH	12/30	12/30	0115A

Woodward Clyde Consultants

Tot. Pet. Hydrocarbon/soil

QC Batch#: 0123A
Units: mg/kg
Prep Date: 12/21/93

Analysis Dates
Blank: 12/29/93
MS:
MSD:
LCS: 12/29/93

Analytes	Blank Result	Blank Limit	Spike level	%Recovery MS	%Recovery MSD	%Recovery LCS	QC LIMITS	RPD
Diesel	ND	1				97		
Kerosene	ND	1						
Motor Oil	ND	10						

Woodward Clyde Consultants

Gas BTEX in soil

QC Batch#: S088A
Units: ug/kg
Prep Date: 12/22/92

Analysis Dates
Blank: 12/22/92
MS: 12/22/92
MSD: 12/22/92
LCS: 12/22/92

Analytes	Blank Result	Blank Limit	Spike level	%Recovery MS	%Recovery MSD	%Recovery LCS	QC LIMITS	RPD
Benzene	ND	5	125	46	50	89		8.3
Toluene	ND	5	125	48	54	90		12
Ethylbenzene	ND	5	125	73	82	89		12
Total Xylenes	ND	5	125	62	76	93		20
Gasoline	ND	1000						
Bromofluorobenzene (surr)	109%		1250	92	114	102	42-137	

Woodward Clyde Consultants

Gas BTEX in soil

QC Batch#: S089A
Units: ug/kg
Prep Date: 12/30/92

Analysis Dates
Blank: 12/30/92
MS: 12/30/92
MSD: 12/30/92
LCS: 12/30/92

Analytes	Blank Result	Blank Limit	Spike level	%Recovery MS	%Recovery MSD	%Recovery LCS	QC LIMITS	RPD
Benzene	ND	5	125	55	54	76		1.8
Toluene	ND	5	125	58	56	78		3.5
Ethylbenzene	ND	5	125	61	60	82		1.7
Total Xylenes	ND	5	125	62	61	82		1.6
Gasoline	ND	1000						
Bromofluorobenzene (surr)	103%		1250	72	70	96	42-137	

Woodward Clyde Consultants

Instrument Type: Flame Atomic Absorption

QC Batch #: 0032A Units: mg/kg Matrix: SOIL Prep date: 12/27/92

Test Description	Method	Blank Result	Blank Limit	Spike Amt	%Recovery MS	%Recovery MSD	%Recovery LCS	RPD	Date Run
Org.Lead by flame AA	DOHS	ND	0.50	10	42	41	98	2.4	01/07

Woodward Clyde Consultants

Batch #: 0017A Units: Degr.C

Test Description	Method	First Analysis	Duplicate Analysis	Date Run
Flashpoint:nonliquid	EPA 1010	>70	>70	01/05

Batch #: 0115A Units: pH

Test Description	Method	First Analysis	Duplicate Analysis	Date Run
pH in soil	EPA 9045	8.814	8.795	12/30

NAT /ETC

Mid-Pacific Environmental Laboratory, Inc.
625B Clyde Avenue
Mountain View CA 94043
(415) 964-0844
FAX (415) 961-7113

Woodward Clyde Consultants
500 12th Street Suite 100
Oakland, CA 94607-4014

April 07, 1993
MPELI Order#: 93-03-105
Date Received: 03/22/93

Attn: Anita Yan

Subject: Analysis of Soil Composites/Add'l Anal.

Work ID: 92CB038/92CB037

P.O. #: none given

Pages in report: 5

Preparation of soil samples for metals analysis by Graphite Furnace Atomic Absorption were performed by following USEPA Method 3050 (Test Methods for Evaluating Solid Waste -- SW846, 3rd Ed., 1986). The specific analytical method employed is listed alongside the test description in the report table.

Preparation and analysis of soil samples for metals by Inductively Coupled Argon Plasma Spectroscopy (ICAP) or Flame Atomic Absorption (FAA) were performed by following Test Methods for Evaluating Solid Waste -- SW846, 3rd Ed., 1986). The specific test method number is listed next to the analyte in the report.

Preparation and analysis of soil samples for Mercury by Cold Vapor Atomic Absorption was performed by following USEPA Method 7471 (Test Methods for Evaluating Solid Waste -- SW846, 3rd Ed., 1986).

NOTES

Method 7471, Mercury by CVAA: Per request of Anita Yan, samples were analyzed despite having exceeded their holding times.

QC Batch# 1057A: In the analyses for metals by ICAP, the percent recoveries for the matrix spike of cadmium and chromium are outside of QC limits. The percent recoveries for the matrix spike and matrix spike duplicate of zinc are outside of QC limits. The RPDs for chromium and zinc are outside of QC limits. All LCS percent recoveries are within QC limits demonstrating that the system is in control. The out of limit recovery and RPD values are attributed to matrix interference.

QC Batch# 1058A: In the analyses for metals by GFAA, the percent recoveries for lead in the matrix spike and matrix spike duplicate were diluted-out and not quantifiable. The concentration of lead in the sample was 27 mg/Kg compared to the spike amount of 2 mg/Kg. The percent recovery of lead in the LCS is within QC limits demonstrating that the system is in control. The method blank has lead present at 0.39 mg/Kg.

All analyses have been conducted in batches of 20 samples or less. Each QC batch consists of a method blank, a Matrix Spike, a Matrix Spike Duplicate and a Laboratory Control Sample. The QC information is in a separate QC Report at the end of the regular report. To find the associated QC data, identify the batch number for the analysis of interest and look for that number in the QC Report for that test. Occasionally a sample will be associated with a sub-batch, which will end in a letter other than "A". The main batch will include the original blank, MS, MSD, and LCS. The sub-batch will contain the additicnal blank associated with the sample and LCS.

All analytes reported above detection limits on gas chromatography analyses have been confirmed by a second dissimilar column.

Samples were diluted when one or both of the following situations existed:

1) one or more analytes was present at a level above the linear calibration range of the instrument; or
2) compounds were present at levels that could damage the instrument.

The following flags and abbreviations are used in this report:

ND - Not detected above the detection limit stated.
** - See other dilution.
Freon 113 - 1,1,2-Trichloro-1,2,2-trifluoroethane. Not an 8010 compound.
MS(D) - Matrix spike (Duplicate)
LCS(D) - Laboratory Control Sample (Duplicate)
RPD - Relative percent difference
N/A - Not applicable

If you should have any technical questions, please contact the undersigned at (415) 964-0844.

Approved by: Client Services

Woodward Clyde Consultants

Client ID: Composite SP2 A,B,C,D
MPELI ID: 9303105 - 09A
Matrix: SOIL

Date collected: 12/16/92
Date received: 03/22/93

Test description	Method	Result	Report Limit	Units	Prep Date	Run Date	QC Batch
Silver by ICAP	EPA 6010	ND	1.0	mg/kg	03/28	03/29	1057A
Arsenic by GFAA	EPA 7060	3.2	0.50	mg/kg	03/28	03/29	1058A
Barium by ICAP	EPA 6010	98	1.0	mg/kg	03/28	03/29	1057A
Beryllium by ICAP	EPA 6010	ND	0.50	mg/kg	03/28	03/29	1057A
Cadmium by ICAP	EPA 6010	0.84	0.50	mg/kg	03/28	03/29	1057A
Cobalt by ICAP	EPA 6010	11	1.0	mg/kg	03/28	03/29	1057A
Chromium by ICAP	EPA 6010	44	1.0	mg/kg	03/28	03/29	1057A
Copper by ICAP	EPA 6010	17	1.0	mg/kg	03/28	03/29	1057A
Mercury by CVAA	EPA 7471	ND	0.10	mg/kg	03/28	03/29	0380A
Molybdenum by ICAP	EPA 6010	ND	2.0	mg/kg	03/28	03/29	1057A
Nickel by ICAP	EPA 6010	60	2.0	mg/kg	03/28	03/29	1057A
Lead by GFAA	EPA 7421	6.1	1.0	mg/kg	03/28	03/29	1058A
Antimony by ICAP	EPA 6010	ND	5.0	mg/kg	03/28	03/29	1057A
Selenium by GFAA	EPA 7740	ND	0.50	mg/kg	03/28	03/29	1058A
Thallium by GFAA	EPA 7841	ND	0.50	mg/kg	03/28	04/01	1058A
Vanadium by ICAP	EPA 6010	38	1.0	mg/kg	03/28	03/29	1057A
Zinc by ICAP	EPA 6010	59	1.0	mg/kg	03/28	03/29	1057A

Woodward Clyde Consultants

Client ID: Composite SP1 A,B,C,D
MPELI ID: 9303105 - 10A
Matrix: SOIL

Date collected: 12/17/92
Date received: 03/22/93

Test description	Method	Result	Report Limit	Units	Prep Date	Run Date	QC Batch
Silver by ICAP	EPA 6010	ND	1.0	mg/kg	03/28	03/29	1057A
Arsenic by GFAA	EPA 7060	3.8	0.50	mg/kg	03/28	03/29	1058A
Barium by ICAP	EPA 6010	66	1.0	mg/kg	03/28	03/29	1057A
Beryllium by ICAP	EPA 6010	ND	0.50	mg/kg	03/28	03/29	1057A
Cadmium by ICAP	EPA 6010	ND	0.50	mg/kg	03/28	03/29	1057A
Cobalt by ICAP	EPA 6010	6.2	1.0	mg/kg	03/28	03/29	1057A
Chromium by ICAP	EPA 6010	34	1.0	mg/kg	03/28	03/29	1057A
Copper by ICAP	EPA 6010	29	1.0	mg/kg	03/28	03/29	1057A
Mercury by CVAA	EPA 7471	ND	0.10	mg/kg	03/28	03/29	0380A
Molybdenum by ICAP	EPA 6010	ND	2.0	mg/kg	03/28	03/29	1057A
Nickel by ICAP	EPA 6010	32	2.0	mg/kg	03/28	03/29	1057A
Lead by GFAA	EPA 7421	5.0	0.10	mg/kg	03/28	03/29	1058A
Antimony by ICAP	EPA 6010	ND	5.0	mg/kg	03/28	03/29	1057A
Selenium by GFAA	EPA 7740	ND	0.50	mg/kg	03/28	03/29	1058A
Thallium by GFAA	EPA 7841	ND	0.50	mg/kg	03/28	04/01	1058A
Vanadium by ICAP	EPA 6010	29	1.0	mg/kg	03/28	03/29	1057A
Zinc by ICAP	EPA 6010	26	1.0	mg/kg	03/28	03/29	1057A

Woodward Clyde Consultants

Instrument Type: Cold Vapor

QC Batch #: 0380A Units: mg/kg Matrix: SOIL Prep date: 03/28/93

Test Description	Method	Blank Result	Blank Limit	Spike Amt	%Recovery MS	%Recovery MSD	%Recovery LCS	RPD	Date Run
Mercury by CVAA	EPA 7471	ND	0.10	1.0	124	126	93	1.6	03/29

Instrument Type: Furnace Atomic Absorption

QC Batch #: 1058A Units: mg/kg Matrix: SOIL Prep date: 03/28/93

Test Description	Method	Blank Result	Blank Limit	Spike Amt	%Recovery MS	%Recovery MSD	%Recovery LCS	RPD	Date Run
Arsenic by GFAA	EPA 7060	ND	0.50	4.0	100	95	89	5.2	03/29
Lead by GFAA	EPA 7421	0.39	0.10	2.0			108		03/29
Selenium by GFAA	EPA 7740	ND	0.50	1.0	90	110	76	20	03/29
Thallium by GFAA	EPA 7841	ND	0.50	5.0	103	95	99	8.1	03/29

Instrument Type: Inductively Coupled Argon Plasma

QC Batch #: 1057A Units: mg/kg Matrix: SOIL Prep date: 03/28/93

Test Description	Method	Blank Result	Blank Limit	Spike Amt	%Recovery MS	%Recovery MSD	%Recovery LCS	RPD	Date Run
Silver by ICAP	EPA 6010	ND	2.0	10	107	109	96	1.9	03/29
Barium by ICAP	EPA 6010	ND	2.0	400	102	98	97	4.0	03/29
Beryllium by ICAP	EPA 6010	ND	1.0	10	99	100	94	1.0	03/29
Cadmium by ICAP	EPA 6010	ND	1.0	10	130	125	115	3.9	03/29
Cobalt by ICAP	EPA 6010	ND	2.0	100	100	100	101	0	03/29
Chromium by ICAP	EPA 6010	ND	2.0	40	147	111	103	28	03/29
Copper by ICAP	EPA 6010	ND	2.0	50	104	106	104	1.9	03/29
Molybdenum by ICAP	EPA 6010	ND	4.0	100	99	101	100	2.0	03/29
Nickel by ICAP	EPA 6010	ND	4.0	100	99	101	102	2.0	03/29
Antimony by ICAP	EPA 6010	ND	10	100	99	104	99	5.0	03/29
Vanadium by ICAP	EPA 6010	ND	2.0	100	90	91	100	1.1	03/29
Zinc by ICAP	EPA 6010	ND	2.0	100	136	385	99	96	03/29

92-12-111

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607 [redacted]
(415) 893-3600 -4014

Chain of Custody Recor

PROJECT NO. 92CB030

SAMPLERS: (Signature) [signature]

#	DATE	TIME	SAMPLE NUMBER	Sample Matrix (S)oil, (W)ater, (A)ir	EPA Method 8015 TPHG	EPA Method 8020 BTEX	EPA Method 8015 TPHD	EPA Method 7421 Lead	STLC, Lead	RCI					Number of Containers	REMARKS (Sample preservation, handling procedures, etc.) Rec Cool (TW)
	~~15DEC92~~			S	X	X	X	X	AY	16DEC-92						
1	15DEC92	1536	SP1 A	S	X	X	X		X						1	COMPOSITE
2	15DEC92	1538	SP1 B	S	X	X	X		X						1	
3	15DEC92	1540	SP1 C	S	X	X	X		X						1	
4	15DEC92	1542	SP1 D	S	X	X	X		X						1	
5	15DEC92	1648	TP1 - 14 ft	S	X	X	X								1	
6	15DEC92	1653	TP2 - 12 ft	S	X	X	X								1	
7	15DEC92	1707	TP1 - 17 ft	S	X	X	X								1	
8	15DEC92	1726	P1 - 4 ft	S	X	X	X								1	
9	16DEC92	0515	SP2 A	S	X	X	X		X	X					1	COMPOSITE
10	16DEC92	0517	SP2 B	S	X	X	X		X	X					1	
11	16DEC92	0519	SP2 C	S	X	X	X		X	X					1	
12	16DEC92	0521	SP2 D	S	X	X	X		X	X					1	

NORMAL TAT
REPORTS/INVOICES ADDRESSED TO ANITA YAN
(510) 874 3081

TOTAL NUMBER OF CONTAINERS: 12

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	16 DEC 92 1155				

METHOD OF SHIPMENT:	SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
DROPPED OFF AT LAB			[signature] APEL	12-16-92 1155

92-12-130

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. 92CB037/0000

SAMPLERS: (Signature) [signature]

	DATE	TIME	SAMPLE NUMBER	Sample Matrix (S)oil, (W)ater, (A)ir	EPA Method 8015*	EPA Method 8020 BTEX	DHS LUFT TEL	EPA Method	RCI	TPH-gas m8015	TPH-diesel m8015				Number of Containers	REMARKS (Sample preservation, handling procedures, etc.) Rec cool
1	17DEC92	1503	TP1		X	X	X								1	* M8015 for ~~[illegible]~~ TPH-diesel
2	17DEC92	1515	TP2		X	X	X								1	analyze TPH-gas only if TEL is detected
3	17DEC92	1615	SP1-A (composite at lab)						X	X	X				1	
4	17DEC92	1617	SP1-B (composite at lab)						X	X	X				1	
5	17DEC92	1619	SP1-C (composite at lab)						X	X	X				1	
6	17DEC92	1621	SP1-D (composite at lab)						X	X	X				1	

Please call Anita Yan (510) 874 3081 with questions. Also send bills and reports to the attention of Anita Yan.

TOTAL NUMBER OF CONTAINERS: 6

No. of Samples for analysis = 3

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	18 DEC 92 [illegible]				

METHOD OF SHIPMENT:	SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
COURIER	18DEC92 [signature]	S Ridgely 766	[signature]	12/18/92 1645

NATEX/ETC
Mid-Pacific Environmental Laboratory
625B Clyde Avenue
Mountain View, CA 94043
(415) 964-0844
FAX (415) 961-7113

Woodward Clyde Consultants
500 12th Street Suite 100
Oakland, CA 94607-4014

May 20, 1993
MPELI Order#: 93-05-047
Date Received: 05/12/93

Attn: Anita Yan

Subject: Analysis of 1 Composite of 4 Soil samples

Work ID: 92CB037 CBC Dublin

P.O. #: none given

Pages in report: 4

Analysis of soil samples for purgeable organic compounds was performed according to U.S. EPA Method 8240 (Test Methods for Evaluating Solid Waste - SW846, 3rd Ed.,1986).

NOTES

All analyses have been conducted in batches of 20 samples or less. Each QC batch consists of a method blank, a Matrix Spike, a Matrix Spike Duplicate and a Laboratory Control Sample. The QC information is in a separate QC Report at the end of the regular report. To find the associated QC data, identify the batch number for the analysis of interest and look for that number in the QC Report for that test. Occasionally a sample will be associated with a sub-batch, which will end in a letter other than "A". The main batch will include the original blank, MS, MSD, and LCS. The sub-batch will contain the additional blank associated with the sample and LCS.

All analytes reported above detection limits on gas chromatography analyses have been confirmed by a second dissimilar column.

Samples were diluted when one or both of the following situations existed:

1) one or more analytes was present at a level above the linear calibration range of the instrument; or
2) compounds were present at levels that could damage the instrument.

The following flags and abbreviations are used in this report:

ND - Not detected above the detection limit stated.
** - See other dilution.
Freon 113 - 1,1,2-Trichloro-1,2,2-trifluoroethane. Not an 8010 compound.
MS(D) - Matrix spike (Duplicate)
LCS(D) - Laboratory Control Sample (Duplicate)
RPD - Relative percent difference
N/A - Not applicable

If you should have any technical questions, please contact the undersigned at (415) 964-0844.

Approved by: Ronald Maya
Client Services

Woodward Clyde Consultants
Analytical Results - 8240 VOA by GCMS /soil

Client ID: Composite SP1-A,B,C,D
MPELI ID: 9305047-05A
Matrix: SOIL
QC Batch: B255A

Collected: 05/11/93
Received: 05/12/93
Analyzed: 05/17/93
Dilution factor: 1.00

Concentration, ug/kg

PARAMETER	RESULT	LIMIT
Chloromethane	ND	10
Vinyl chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
1,1-Dichloroethene	ND	5.0
Carbon Disulfide	ND	5.0
Acetone	ND	10
Methylene chloride	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
Vinyl acetate	ND	10
2-Butanone	ND	10
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon tetrachloride	ND	5.0
Benzene	ND	5.0
1,2-Dichloroethane	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
4-Methyl-2-pentanone	ND	10
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
2-Hexanone	ND	10
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Total xylenes	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0

SURROGATE	%RECOVERY	LIMITS
1,2-Dichloroethane-d4	109	70-121
Toluene-d8	98	84-138
p-Bromofluorobenzene	101	59-113

Woodward Clyde Consultants

8240 VOA by GCMS /Soil

QC Batch#: B255A
Units: ug/kg
Prep Date: 05/17/93

Analysis Dates
Blank: 05/17/93
MS: 05/17/93
MSD: 05/17/93
LCS: 05/17/93

Analytes	Blank Result	Blank Limit	Spike level	%Recovery MS	%Recovery MSD	%Recovery LCS	QC LIMITS	RPD
Chloromethane	ND	10						
Vinyl chloride	ND	10						
Bromomethane	ND	10						
Chloroethane	ND	10						
1,1-Dichloroethene	ND	5.0	50	75	79	95	59-172	5.2
Carbon Disulfide	ND	5.0						
Acetone	ND	10						
Methylene chloride	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
1,1-Dichloroethane	ND	5.0						
Vinyl acetate	ND	10						
2-Butanone	ND	10						
Chloroform	ND	5.0						
1,1,1-Trichloroethane	ND	5.0						
Carbon tetrachloride	ND	5.0						
Benzene	ND	5.0	50	98	102	107	66-142	4.0
1,2-Dichloroethane	ND	5.0						
Trichloroethene	ND	5.0	50	87	87	97	62-137	0
1,2-Dichloropropane	ND	5.0						
Bromodichloromethane	ND	5.0						
cis-1,3-Dichloropropene	ND	5.0						
4-Methyl-2-pentanone	ND	10						
Toluene	ND	5.0	50	94	98	99	59-139	4.2
trans-1,3-Dichloropropene	ND	5.0						
1,1,2-Trichloroethane	ND	5.0						
Tetrachloroethene	ND	5.0						
2-Hexanone	ND	10						
Dibromochloromethane	ND	5.0						
Chlorobenzene	ND	5.0	50	93	96	99	60-133	3.2
Ethylbenzene	ND	5.0						
Total xylenes	ND	5.0						
Styrene	ND	5.0						
Bromoform	ND	5.0						
1,1,2,2-Tetrachloroethane	ND	5.0						
1,2-Dichloroethane-d4(surr)	104%			112	106	108	70-121	
Toluene-d8 (surr)	97%			101	103	100	84-138	
p-Bromofluorobenzene (surr)	104%			105	99	104	59-113	

93-05-047

Woodward-Clyde Consultants
500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

PROJECT NO. 92C0037 CBC Dublin

SAMPLERS: (Signature)

	DATE	TIME	SAMPLE NUMBER	Sample Matrix (S)oil, (W)ater, (A)ir	ANALYSES: EPA Method 8240	EPA Method	EPA Method	EPA Method	Number of Containers	REMARKS (Sample preservation, handling procedures, etc.)
1	11 May 93	1328	SP1-A	S	X				1	COMPOSITE AT LAB
2	11 May 93	1331	SP1-B	S	X				1	
3	11 May 93	1335	SP1-C	S	X				1	
4	11 May 93	1339	SP1-D	S	X				1	

TOTAL NUMBER OF CONTAINERS: 4

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
	5/11/93			5:11 | 4:10	

METHOD OF SHIPMENT:	SHIPPED BY: (Signature)	COURIER: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE/TIME
			Mitchell ETC/MD	5/12/93 | 09:05