

DRAFT

**ENVIRONMENTAL ASSESSMENT
6707 BAY STREET
EMERYVILLE, CALIFORNIA**

Prepared for:

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January 30, 1990

File No. 0389058.00

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SCS ENGINEERS

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Mr. Robert P. Gates
Erskine & Tulley
580 Market Street
San Francisco, California

Subject: Environmental Assessment
6707 Bay Street
Emeryville, California

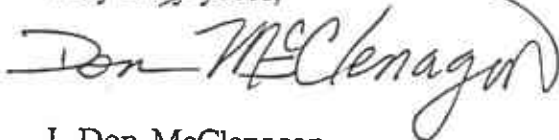
Dear Mr. Gates:

SCS Engineers is pleased to provide this report of environmental services rendered at the 6707 Bay Street site in Emeryville, California (see Vicinity Map, Plate 1).

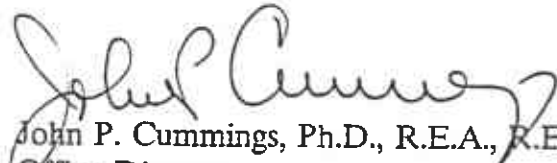
This report has been specifically prepared as a hazardous site investigation for Mr. Robert P. Gates of Erskine and Tulley, attorney for Mike Roberts Color Productions. Mr. Gates, Erskine & Tulley or Mike Roberts Color Productions shall not use this report for any purpose other than that for which this document was prepared. The report has been prepared with the care and skill generally exercised with reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein.

Attached is a copy of the report. If you have any questions, please contact either of the undersigned at (415) 829-0661.

Very truly yours,



J. Don McClenagan
Staff Geologist
SCS Engineers



John P. Cummings, Ph.D., R.E.A., R.E.P.
Office Director
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JDM/JPC/sar

TABLE OF CONTENTS

	Page
I. INTRODUCTION	1
II. PRESENT USE OF SITE AND SURROUNDING LAND	1
III. ENVIRONMENTAL IMPACT LISTS REVIEW	2
IV. PAST USES OF THE SITE AND SURROUNDING LAND	19
V. SUBSURFACE INVESTIGATION	20
VI. CONCLUSIONS	23
VII. RECOMMENDATIONS	23

PLATE 1 - VICINITY MAP
PLATE 2 - SITE PLAN

TABLE 1 - SOIL ANALYSIS: GASOLINE, DIESEL, OIL, AND GREASE
TABLE 2 - SOIL ANALYSIS: PESTICIDES AND PCBS
TABLE 3 - SOIL ANALYSIS: CAM METALS
TABLE 4 - SOIL ANALYSIS: VOLATILE ORGANICS
TABLE 5 - SOIL ANALYSIS: SEMI-VOLATILE ORGANICS
TABLE 6 - GROUNDWATER ANALYSIS

APPENDIX 1 - BORING LOGS AND DRILLER'S REPORTS
APPENDIX 2 - LABORATORY REPORTS AND CHAIN OF CUSTODY
DOCUMENTS

I. INTRODUCTION

On December 15, 1989 SCS Engineers submitted a proposal to Robert Gates of Erskine and Tulley to perform a site investigation at 6707 Bay Street in Emeryville, California. The subject parcel was formerly occupied by Mike Robert's Color Production. Plate 1 is a vicinity map pinpointing the location of the subject site.

An off-site investigation consisting of a data review from private, local, state, and federal agencies was conducted in order to establish an environmental baseline of the site and surrounding area. Several visits to the site were made by SCS personnel. A site reconnaissance was conducted by John Cummings of SCS Engineers. The reconnaissance consisted of a walk around and through the entire parcel and surrounding area and a "windshield" survey of the streets within two blocks of the subject site. The physical characteristics of the site and surrounding were observed and noted.

SCS Engineers also conducted a subsurface investigation of the parcel consisting of the boring and installation of two monitoring wells, the advancement of five other soil borings, and the sampling of six groundwater monitoring wells on site. The field work for this investigation was performed from January 3 through January 10, 1990.

Summary

Contamination of both the vadose zone (the zone of aeration above the water table) and the groundwater is present beneath the subject parcel. All soil samples analyzed tested positive for oil and grease. Diesel and minor amounts of PCBs were detected in some of the soil samples. Analysis for the CAM metals detected metals in many of the soil samples. Low amounts of volatile or semi-volatile organic substances were found. Soil sample results are presented in Tables 1-5; laboratory reports are included in Appendix 2.

Water sample analyses detected little or no contamination in most of the wells. Exceptions were: MW7 contained some oil and grease contaminants, and MW8 contained high amounts of methyl isobutyl ketone (MIBK) and total petroleum hydrocarbons (TPH).

II. PRESENT USE OF THE SITE AND SURROUNDING LAND

The subject parcel consists of an office building with an adjoining warehouse, previously used for printing operations. Hazardous chemicals left over from printing operations are stored in 55-gallon drums on the west side of the property. The drum storage area is on asphalt that slopes toward the west property line. See Plate 1 for the location of the site.

These materials have been categorized and removed from the site for final disposal.

The office building and office space in the adjoining warehouse has what appears to be vinyl asbestos tile (VAT) and acoustical tile which may contain asbestos in the ceilings of the suspected office space. None of the material in the building was found to be friable. The suspected asbestos containing material (ACM) does not appear to be a health hazard. If the material is ACM, it would only present a health hazard during demolition or remodeling of the building. Otherwise, the building appears to be free of environmental hazards. The waste inks, oils, and solvents, as mentioned earlier, have been moved to the rear area. They were categorized as to the hazard risk and will be destroyed by proper disposal.

The subject parcel is bounded on the west and north by the Ashby Avenue off-ramp of northbound I-80, on the east by Bay Street, and on the south by a trucking company (Votainer, 6603 Bay Street). MRCP and Votainer are zoned C-O, for commercial/office uses. The Berkeley Aquatic Park is located immediately north of Ashby Avenue. East of the subject site, past Bay Street, is the Southern Pacific railroad easement, and beyond that, various warehousing facilities. Generally, areas surrounding the subject parcel are used for light and heavy industrial, newly constructed office space, and light residential.

Several properties within one mile of the subject parcel have documented hazardous materials releases that have adversely affected groundwater. Plate 1 illustrates the site vicinity as well as groundwater contamination cases within approximately one mile of the subject parcel.

III. ENVIRONMENTAL IMPACT LISTS REVIEW

Superfund Sites

The National Priorities List (NPL), derived from Superfund Sites listed under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) was reviewed for sites within one mile of the subject parcel. There were no sites on the NPL within one mile of the subject parcel.

Bond Expenditure Plan (BEP)

The BEP list was reviewed for sites within one mile of the subject parcel. None were found.

CERCLIS Sites

CERCLIS, an acronym for California Environmental Response Compensation and Liability Information System, is a list derived from the names of facilities from the NPL or facilities

which have been reported to the EPA by State Agencies as having a hazardous materials release. The following six (6) sites were found on the CERCLIS list and are within one mile of the subject parcel.

1. American Bitumals and Asphalt
1520 Powell Street, Emeryville
2. Capitol Ref. Co.
Foot of 64th Street, Emeryville
3. Emeryville Market Place
Between 64th Street, Powell Street, I80 and the SP Railroad Tracks

Companies Included:

- Pabco/Fiberboard Site
NE Quadrangle of Eastshore Freeway
 - Pacific Union Co. Site
Westinghouse Emeryville
4. Baum Electrolab
800 Bancroft Way, 2nd Floor, Berkeley
 5. Berkeley Ind Court
729 Heinz Avenue, Berkeley
 6. Matrecon Inc.
2424 4th Street, Berkeley

North Bay Toxics List

This list is provided by the Regional Water Quality Control Board (RWQCB) and includes groundwater contamination cases in the North Bay Area that are being handled by the San Francisco RWQCB and the California Department of Health Services (DHS). The following thirteen (13) sites within a mile of the subject parcel were noted in the North Bay Toxics List.

1. Carleton Business Center
2700 7th Street, Berkeley
2. Chevron Asphalt Plant
1520 Powell Street, Emeryville
3. Chevron Emeryville Terminal

-
- Corner of Landregan and Powell Streets, Emeryville
4. Colgate Palmolive
Corner of 7th and Carleton Streets, Berkeley
 5. Garrett Freight Lines
Corner of 64th and LaCoste Streets, Emeryville
 6. Macaulay Foundry, Inc.
811 Carleton Street, Berkeley
 7. Emeryville Market Place
Unknown, Emeryville
 8. Meyer Sound
2832 San Pablo Avenue, Berkeley
 9. Michel and Pelton
5743 Landregan Street, Emeryville
 10. Pie Nationwide
5500 Eastshore Freeway, Emeryville
 11. Temescal
2850 7th Street, Berkeley
 12. J.C. Berkeley
Murray Street/Folger Avenue/7th Street, Berkeley
 13. Westinghouse
5899 Peladeau, Berkeley

Cortese List Sites

The Cortese List is an inventory of identified hazardous waste and/or hazardous substance sites consolidated by the California State Office of Planning and Research (OPR) from data received from the State Department of Health Services, the State Water Resources Control Board and the California Waste Management Board pursuant to AB 3750 (Cortese) Government code Section 65940. The list is distributed to all county planning departments to assist in the development of properties within the county. The most recent Cortese List available (March 1989) was reviewed to identify sites within approximately one mile of the subject parcel. The following four (4) facilities on the Cortese List were

within one mile of the subject parcel.

1. Westinghouse
5899 Peladeau Street, Emeryville
2. Auto Repair
2378/2366 San Pablo Avenue, Berkeley
3. Warren Properties
2900 5th Street, Berkeley
4. Warren Properties
700 Heinz Avenue, Berkeley

SWIS List

A review of the California Waste Management Board (CWMB) Solid Waste Information Systems (SWIS) was performed to ascertain whether or not any landfills and/or transfer stations were within approximately one mile of the subject parcel. No active/inactive landfills or transfer stations within one mile of the subject parcel were in the SWIS list.

Hazardous Waste TSD Facilities

The California Department of Health Services, Toxic Substances Division, Hazardous Waste Information System, supplies information on companies that Treat, Store or Dispose (TSD) of hazardous wastes. The following business, within a mile of the subject parcel, was on the TSD list:

1. Pfizer Pigments, Inc.
4650 Shellmound Street, Emeryville

Abandoned Site Program Information System (ASPIS)

Previously owned properties that may or may not contain some form of contamination are discovered by Rural County Surveys and reported to the DHS. Vacant lots and unoccupied buildings are commonly found on this list. The DHS supplies to the public a list (ASPIS list) containing the name, address and status of pertinent properties. The following facilities within a mile of the subject parcel were on the list.

1. Acutherm
1800 Powell Street #930, Emeryville
Status: NFA
2. American Manufacturing Co.
5854 Hollis Street, Emeryville
Status: NFA

3. Brass Beds
6290 Overland, Emeryville
Status: NFA
4. California Photo
5440 Hollis Streets, Emeryville
Status: NFA
5. Capitol Refining
Foot of 64th Street, Emeryville
Status: NFA
6. Chevron Emeryville Terminal
1520 Powell Street, Emeryville
Status: SIRH
7. Clearprint Paper Co.
1482 67th Street, Emeryville
Status: NFA
8. Curtis Pacific
1345 Powell Street, Emeryville
Status: NFA
9. Durlo Co.
1333 62nd Street, Emeryville
Status: NFA
10. East Coast Specialties
1601 63rd Street, Emeryville
Status: NFA
11. No Name, Bounded by:
Powell Street, Highway 180, 64th Street, SP Railroad Tracks, Emeryville
Status: NFA
12. Esselette Pendaflex
6701 Bay Street, Emeryville
Status: NFA
13. Falcon Explorations Co.
1900 Powell Street #530, Emeryville
Status: NFA

14. Fiberboard
1550 Powell Street, Emeryville
Status: NFA
15. Fisher Berkeley
5800 Christie Avenue, Emeryville
Status: NFA
16. George M. Martin
1250 67th Street, Emeryville
Status: PAL
17. H.B. Chapman
1400 53rd Street, Emeryville
Status: NFA
18. Industrial Hard Chrome
5701-5705 Hollis Street, Emeryville
Status: SIRL
19. Intermodal Transportation Service, Inc.
6901 Christie #405
Status: NFA
20. ITT Grinnell Property
6121 Hollis Street, Emeryville
Status: SIRM
21. Jason Products Co.
1260 53rd Street, Emeryville
Status: NFA
22. Karmichael Industries
5540 Doyle Street, Emeryville
Status: NFA
23. Maud M. Truckline
6245 Christie Avenue, Emeryville
Status: NFA
24. Market Place
Christie at Shellmound, Emeryville
Status: NFA

25. Metalco.
1475 67th Street, Emeryville
Status: NFA
26. Monarch Tool and Engineering Inc.
1483 67th Street, Emeryville
Status: NFA
27. Pfizer, Inc.
4650 Shellmound, Emeryville ✓
Status: PDS
28. Pie/Nationwide Truck Facility
5500 Eastshore Freeway, Emeryville ✓
Status: PDS
29. Provenzand and Associates
1303 Stanford Avenue, Emeryville
Status: PAL
30. Rix Industries
6460 Hollis Street, Emeryville ✓
Status: NFA
31. Scientific Mfg. Industries
1399 64th Street, Emeryville
Status: NFA
32. Selective Automation, Inc.
1455 64th Street, Emeryville
Status: NFA
33. Sybron/Kerr
5770 Shellmound Street, Emeryville
Status: NFA
34. Utility Products, Inc.
1212 Powell Street, Emeryville
Status: NFA
35. Vacu-Dry Company
5801 Christie Avenue, Emeryville
Status: NFA

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36. Westinghouse
5899 Peladeau Street, Emeryville ✓
Status: SUPD
 37. A.W. Tool And Development
2610 Ninth Street, Berkeley
Status: NFA
 38. Airco Temescal
2850 7th Street, Berkeley
Status: NFA
 39. Airway Trucking
840 Potter Street, Berkeley
Status: NFA
 40. Amerpak
780 Heinz Avenue, Berkeley
Status: NFA
 41. Barr Chemical Products, Inc.
2748 9th Street, Berkeley
Status: NFA
 42. Berkeley Industrial Court
729 Heinz Avenue, Berkeley
Status: PDS
 43. Colgate Palmolive Co.
2700 7th Street, Berkeley
Status: NFA
 44. Counter Measure Systems
2612 8th Street, Berkeley
Status: NFA
 45. Dura Belting
715 Heinz Avenue, Berkeley
Status: NFA
 46. East Bay Steel Products
900 Murray Street, Berkeley
Status: NFA

47. Edward Koehn Co., Inc.
820 Folger Street, Berkeley
Status: NFA
48. Electrocoating, Inc. - Plant 21
893 Carleton Street, Berkeley
Status: SIRI
49. Emerald Packing
2821 10th Street, Berkeley
Status: NFA
50. Gibbs Plastics
2331 4th Street, Berkeley
Status: NFA
51. I & B Enterprises
890 Heinz Avenue, Berkeley
Status: NFA
52. I Chem Research
2470 5th Street, Berkeley
Status: NFA
53. Ignition Systems
2547 8th Street, Berkeley
Status: NFA
54. Kowal Mfg.
2414 6th Street, Berkeley
Status: NFA
55. Krunz Inc.
Ashby at 6th Street, Berkeley
Status: NFA
56. Lektra Lighting, Inc.
2455 4th Street, Berkeley
Status: NFA
57. Lesea Surveying Co., Inc.
2437 6th Street, Berkeley
Status: NFA

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58. Macy Movers, Inc.
2865 7th Street, Berkeley
Status: NFA
 59. Matrecon, Inc.
2424 4th Street, Berkeley
Status: NFA
 60. Model Airplane Motors
2332 5th Street, Berkeley
Status: NFA
 61. Pacific Coast Chemicals
2444 4th Street, Berkeley
Status: NFA
 62. Proen Products Co.
2777 9th Street, Berkeley
Status: NFA
 63. R W Scott & Co.
2320 5th Street, Berkeley
Status: NFA
 64. Reliance Sheet and Strip Co.
722 Folger Avenue, Berkeley
Status: NFA
 65. Rheodyne
2804 10th Street, Berkeley
Status: NFA
 66. Tienson Engraving Co.
2816 8th Street, Berkeley
Status: NFA
 67. Warehouse Properties
2900 5th Street, Berkeley
Status: SUPD

Status Explanation:

NFA - No Further Action required
SIRH - Site Investigation Required, High Priority
PAL - Preliminary Assessment, Low Priority
PDS - Pending Status
SUPD - On the Superfund NPL

Fuel Investigations

A review of the fuel release files at the Regional Water Quality Control Board (RWQCB) in Oakland, California was performed to determine the magnitude of fuel releases (i.e. leaks or spills) at facilities near the subject parcel. The files are not always up to date and occasionally files are unavailable. The following facilities on the RWQCB fuel release list were within approximately one mile of the subject parcel.

1. AC Transit
47th Street and San Pablo Avenue, Emeryville

A leaking Underground Storage Tank (UST) contaminated adjacent soil and groundwater with gasoline. Soil was excavated and a groundwater monitoring well installed. In January 1987 groundwater analyzed by a laboratory contained 0.06 mg/l benzene and less than 1 part per million (ppm) of Total Petroleum Hydrocarbons (TPH).

2. A & J Trucking
5600 Shellmound Emeryville

A leaking 1000-gallon gasoline tank was removed in March 1989, and laboratory analysis showed soil samples from the tank pit containing 20 ppm benzene.

3. Bay Export Service
7th and Potter Streets, Berkeley

A leaking UST contaminated groundwater with 4200 parts per billion (ppb) gasoline, 260 ppb benzene, and 1000 ppb ethylbenzene. The tank was removed in March 1988.

4. Berkeley Business Center
2900 San Pablo

A heavy fuel leaked from a UST piping system and contaminated adjacent soils with 1000 ppm of Total Petroleum Hydrocarbons (TPH). The three on-site groundwater monitoring wells showed no signs of gasoline contamination; however, an upgradient well showed 530

ppb of TCE. This implies that the on-site groundwater is not contaminated with petroleum hydrocarbons, and the TCE contamination may have originated off-site.

5. Berkeley Farms
1313 53rd Street, Emeryville

In March 1988 three gasoline USTs were removed and adjacent soil showed negligible amounts of gasoline contamination.

6. Berkeley Hydraulic Service
7th Street and Potter Street

A 2000-gallon gasoline UST was removed in April 1988. One monitoring well installed in the center of the tank pit backfill showed contaminant levels below action levels.

7. Berkeley Pump Project
Bancroft Way and 5th Street, Berkeley

An on-site monitoring well sampled in March 1989 contained 2300 ppb TPH and 1100 ppb kerosene.

8. Carleton Business Center
2700 7th Street, Berkeley

In March 1989 a 1000-gallon UST was removed after a leak contaminated the soil with 3600 ppm gasoline and 37 ppm (ppm or ppb) benzene. As per this file review it is undetermined if the groundwater was affected by this fuel release.

9. Chevron
2995 San Pablo Avenue, Berkeley

Chlorinated solvents were found in on-site soil and groundwater at maximum concentrations of 20,000 ppm in the soil and 13,000 ppm in the groundwater. The solvents discovered in groundwater monitoring wells include: Tetrachloroethylene (PCE), Trichloroethylene (TCE), Dichloroethylene (DCE) and Dichloroethane (DCA). In January 1989, 15 parts per billion (ppb) of 1, 2 DCA were discovered in on-site groundwater.

10. Chronicle Depot
2817 - 7th Street, Berkeley

One underground (UST) was removed in May 1989. The RWQCB file on this site did not have information describing whether or not the soil and groundwater was adversely affected.

11. Coburn Construction
1006 Pardee Street, Berkeley

An underground storage tank was removed in November 1986, and a subsequent consultants report in June 1987 showed groundwater containing 2900 ppb of Total Petroleum Hydrocarbons.

12. Durkee Wareham
700 Heinz Avenue, Berkeley

A report from a private consultant to Durkee Wareham showed that a black caustic liquid was discovered in a drainage pond on Southern Pacific easement, downgradient (southwest) of the Durkee parcel. The pre-mentioned report dated 2/27/86, had no data as to whether or not the caustic liquid has affected the groundwater. Low levels (less than DHS & RWQCB action levels) of PCB's, Diesel and Hydrocarbons were discovered in the groundwater beneath the adjacent parcel, located at 2900 5th Street.

13. Emeryville Bayfront Postal
1650 - 65th Street, Emeryville. ✓

Leaking gasoline from an UST was noticed on April 27, 1989, and a consultants report following the tank removal showed maximum groundwater contamination to be 33 Mg/L (ppm) of TPH.

14. Emeryville Market Plaza
64th Street & LaCoste Street, Emeryville ✓

Groundwater contained 630 Mg/L of TPH as a result of leaking USTs. Four tanks (containing gasoline, diesel, waste oil and lube oil) were removed from the site.

15. Folger Murphy Property
1020 Murray Street, Berkeley

A leak in a UST was discovered on August 18, 1988, and the tank has since been removed. No other information was available on this site.

16. Garrett Freight Line
64th Street and LaCoste Street, Emeryville ✓

This site had an unknown number of USTs and drums removed. No data was available as to whether or not the groundwater has been affected.

17. Gary Steel/Ducomman Metal
2560 - 7th Street, Berkeley

A leaking diesel tank, discovered on May 30, 1986, caused the soil and groundwater to be contaminated. Maximum soil concentration was 2200 ppm of TPH; however, the magnitude of groundwater contamination was not known at the time of file review.

18. Getzs Construction
1351 Ocean Avenue, Emeryville

An on-site monitoring well, sampled April 5, 1989, contained 120,000 ppb of diesel, as a result of a leaking 10,000-gallon UST. Remediation methods for soil and groundwater are being considered.

19. Henry Horn & Sons
1301 - 65th Street, Emeryville

*g Peterson
properties*

As a result of leaking gasoline USTs, groundwater at this site has been contaminated with gasoline. A consultants report dated August 15, 1989, showed that the groundwater contained 1400 ppm TPH, 100 ppb 1,2-DCE, 52 ppb TCE and 21 ppb benzene.

20. HFH Limited
6400 Hollis Street, Emeryville

A 2000-gallon gasoline tank was removed and a subsequent laboratory report submitted in April 1986 showed levels of soil contamination to be less than the DHS action levels.

21. Hollis Street Project
6050 Hollis Street, Emeryville

A 200 gallon tank was removed in June 1987, and the presence of gasoline prompted the installation of a monitoring well. No data was available on the groundwater quality during this file review.

22. Leopard Trading Co.
6601 Bay Street, Emeryville

On August 23, 1989 a leak in a 6000 gallon diesel underground tank was discovered. The groundwater has been affected by the fuel released and a remediation plan is in the making.

23. Macaulay Foundry
Parker Street, Berkeley

A leaking gasoline tank noticed February 5, 1987 lead to the contamination of groundwater with 78 ppm gasoline. Paint thinner at 87 ppm was also in the groundwater.

24. MacBeath Hardware
930 Ashby Avenue, Berkeley

Three USTs were removed from this site in September 1987, and subsequent soil sample analysis showed no contamination.

25. Meadows, Elwood & Clara
1440 Ashby Avenue, Berkeley

On December 10, 1986 a private consultant submitted a report describing the presence of 1.5 ppb of an unknown substance in the groundwater. No other information was available on this site.

26. Mobil
1700 Powell Street, Emeryville

Soil contained a maximum concentration of 10,000 ppb TPH as a result of a tank leak. A groundwater monitoring program has been proposed for this site.

27. Moore Property
3155 Sacramento Street, Berkeley

Groundwater monitoring has been in progress as of May 1987 due to an unauthorized fuel release.

28. Nielson Property
5800 Shellmound Avenue, Emeryville

Soil on this site is contaminated as a result of a leaking 10,000-gallon tank. Whether or not the groundwater is affected has not been determined; however, the contaminated soil is presently being bio remediated on-site. ✓

29. Nomura Brothers, Inc.
2720 San Pablo Avenue, Berkeley

On-site groundwater monitoring wells contained 1.5 ppm of TPH, which is less than the DHS action level.

30. Oliver and Co.
1035 Carleton Street, Berkeley

A tank was removed on April 10, 1987 and one monitoring well was installed May 1987 downgradient from the tank. Soil and groundwater contained non detectable levels of contamination.

31. Pahlmeyer
2700 San Pablo Avenue, Berkeley

A gasoline tank leak, noticed June 10, 1988 caused groundwater to be contaminated with 2.3 ppm of benzene. Consultants to Pahlmeyer reported in July 1989 that the groundwater monitoring wells showed non detectable levels of contamination.

32. Peterson Manufacturing }
1600 - 63rd Street, Emeryville

Four USTs and two former UST areas exist on-site. Maximum concentration in soil was found to be 1,300 ppb of TPH. ✓ Groundwater status is undetermined as per this review.

33. Pfizer Pigments, Inc.
4650 Shellmound Street, Emeryville

Soil samples on-site ranged from 50 - 50,000 ppb of oil and grease, which originated from a waste oil UST leak. ✓ Groundwater contained only trace amounts of oil and grease.

34. P Q Corporation
801 Grayson Street, Berkeley

Two tanks on site were suspected of leaking; however, soil samples obtained near the tank showed no signs of contamination.

35. Schwabacker Frey
5733 Pelladeau, Emeryville

After removing a 2000-gallon tank, consultants found that soil samples obtained in the tank pit contained 270 - 540 ppm of gasoline. Whether or not the groundwater has been affected is undetermined as per this file review.

36. Shell
1800 Powell Street, Emeryville

Six groundwater monitoring wells were installed in September of 1982 due to an unexpected fuel release. Four additional wells were installed in August of 1983 to further define the plume. Consultants to Shell prepared a report dated October 27, 1989 describing 1.5 feet of floating product in an on-site well. As per this site review the installation of monitoring wells was proposed to further define the contamination plume.

37. Studio Complex
1025 Carleton Street, Berkeley

Paint thinner and gasoline USTs were removed on November 10, 1988, and a later lab analysis of adjacent soil showed 71 ppb of paint thinner. Soil samples analyzed December 1, 1988 were clear of contamination.

38. Texaco
840 Ashby Avenue, Berkeley

Soil samples analyzed due to a suspected diesel fuel released contained 100 - 480 ppm of TPH. No groundwater data was available during this file review.

39. U C Merchant Building
6701 San Pablo Avenue, Emeryville

Soil samples taken after three tanks were removed in July 1988 contained non-detectable levels of contamination.

40. Upright, Inc.
1013 Pardee Street, Berkeley

A 1000-gallon tank that had been out of service for at least 20 years was removed, and no contamination was noted in the adjacent soils.

41. Weatherford BMW
5903 Christie Avenue, Emeryville

✓ closed

An underground tank and adjacent soil containing a maximum of 1500 ppm total oil and grease were removed on May 2, 1989. The installation of groundwater monitoring wells is being considered as per this file review.

The files on the following fuel release facilities, within a mile of the subject parcel, were not available for review.

Bay Center Project
65th Street and Christie Avenue, Emeryville

Pie Nationwide Property
5500 Eastshore Freeway, Emeryville

Super 7
Ashby Avenue, Berkeley

IV. PAST USES OF THE SITE AND SURROUNDING LAND

Aerial photographs from Pacific Aerial Surveys were obtained to determine historic uses of the subject parcel and surrounding properties. Photographs from various years between 1947 and 1988 were available for review.

The 1947 photo shows the parcel bounded by Bay Street, 64th Street and the I-80 off-ramp, to be comprised of undeveloped land and saturated soil (or water). Analysis of this photograph suggests that the pre-mentioned parcel was previously all water and was gradually filled in with various landfill materials. The subject parcel in this photo is primarily mud or water, and the land immediately south, extending to 64th Street, was used from 1940 to the late 1950s as a municipal waste dumping ground. Surrounding areas are used for various industrial purposes, which may include railroad docking, warehousing and trucking. Mixed industrial/residential areas are evident east of Hollis Street, becoming mostly residential east of San Pablo Avenue.

The next available aerial photo, taken July 7, 1959, still shows the subject parcel to be vacant; however, the property is completely filled in and a trucking company to the immediate south is evident. The landfilling area south of various warehouse buildings, which means that the municipal landfilling operations ended sometime before July, 1959. Also noticeable on this photo is the addition of freeway on/off ramps at Ashby Avenue.

The 1963 aerial photo shows the subject building. No other obvious changes in the immediate surroundings of the subject parcel are evident.

No changes in the general vicinity of the subject parcel were noticed in the 1971 and 1979 aerial photos.

The 1988 photo shows the construction of a corporate plaza bounded by 64th Street, LaCoste Street, 65th Street and Bay Street. All buildings in the pre-mentioned boundary are new except for two structures located on north-west corner of 64th and Bay Street.

Upon installation of on-site monitoring wells, an SCS geologist noticed refuse (e.g. glass, iron scraps, concrete, brick and miscellaneous organics) in the auger tailings, suggesting

that the type of landfill material used in the past, consisted of, at least in part, construction debris. The old municipal landfill, which is documented as being south of MRCP may have actually extended north to the Ashby Avenue exit, in which case it would be part of the subject parcel.

V. SUBSURFACE INVESTIGATION

On January 3 and 4, 1990, SCS Engineers supervised five soil borings and the drilling of two monitoring wells on the subject parcel at 6707 Bay Street in Emeryville. The drilling was done by Bay Area Exploration of Suisun, California. The two monitoring wells were designated MW-7 and MW-8. MW-8 was installed to satisfy regulatory requirements for a groundwater monitoring well within 10 feet of the excavated tank in a verified downgradient direction. The five borings were called B9 through B13.

On January 8, 9, and 10, 1990, SCS personnel sampled MW-7 and MW-8. Four other monitoring wells which are on the site but were not installed by SCS Engineers were also purged and sampled.

Field Methods

The drilling was accomplished using a CME 55 mobile drilling unit equipped with 10.5 inch and 5-inch hollow stem augers. MW-7 and MW-8 were drilled with the 10.5 inch augers.

Soil samples were taken at five foot intervals utilizing a 2-inch I.D. Split Spoon Modified California sampler loaded with brass sleeves. The soil samples were examined, sealed with aluminum foil, plastic end caps and tape, labeled, and placed in cold storage for transport to a state-certified laboratory.

The auger sections were steam cleaned prior to their use for advancing the borings. Auger cuttings, the soil removed during the boring, were sandwiched between two layers of 6 mil polyethylene cover. Boring logs for the wells were recorded in the field during the drilling. They document sample locations, subsurface sedimentology, depth to groundwater, and well construction details.

MW-7 was drilled to a total depth of 22 feet, and MW-8 was drilled to 21.5 feet. Both wells were constructed using 4-inch schedule 40 PVC flush-jointed casing, both blank and screened sections (0.020 inch slot size). The lower ends of the casings were capped with either a threaded end cap or a riveted slip cap. Both wells were built with screened casing sections extending from the bottom of the well to seven feet below the surface.

Blank sections were used to case from seven feet to the surface.

The annular space in the wells was backfilled with #3 sand to six feet depth. A one foot bentonite seal was placed on top of the sand and charged with water to induce swelling. The remaining five feet of annular space was sealed with a cement grout. Locking vaults were cemented in place over the top of the casings. A waterproof expansion plug was inserted at the top of the well.

The five soil borings were each advanced using a five inch hollow stem to auger a depth of nine feet. Soil samples were collected at four feet and nine feet. These samples were preserved following the protocol described above in the discussion of the monitoring well installations. Auger cuttings were placed between layers of polyethylene cover, and the borings were backfilled with cement grout. Boring logs for B9 through B13 were kept in the field. Copies of boring logs for the monitoring wells for soil borings may be found in Appendix 1.

A sample was taken from the hole dug around the sump on the west side of the warehouse building (see Plate 2). The sample was preserved according to the protocol described above.

MW-1, MW-3, MW-5, and MW-6 are monitoring wells on the site which were installed prior to this investigation. These four wells and MW-7 and MW-8 were sampled by SCS Engineers. Preliminary bailing of MW-8 detected free product on the well; therefore, this well was not purged prior to sampling. MW-7 was purged of approximately three well casing volumes - 15 gallons - on January 8, 1990 using a submersible pump.

MW-1 was purged by pumping out 35 gallons of water using the submersible pump. MW-3, MW-5, and MW-6 were purged using a Triloc hand pump by pumping about 12 gallons from each well. All water purged from the wells was stored on-site in labeled 55-gallon drums. The pumps and associated piping were steam cleaned prior to being put down the well.

Water samples were collected using clean plastic bailers. The water sample from each well was poured into two 40 milliliter VOA vials and two one liter amber jar. One of the amber jars for each well was prepared with one milliliter of hydrochloric acid, a preservative. The water samples were sealed, labeled, and placed in a cooler with blue ice for transport to SCS Laboratory in Long Beach.

Chemical Methods

The soil samples were analyzed using the following EPA Methods: CAM metals, 8080, 8015 modified, 503D, 8240, and 8270. The results of these analyses are shown in Tables

1-5. The water samples from the six monitoring wells were analyzed by EPA Methods 624, 625, 8015 modified, and 418. The results of these analyses are shown in Tables 6. The laboratory reports and Chain-of-Custody documents are in Appendix 2.

Subsurface Conditions

The subsurface conditions of the site are unique in some ways. About the first foot of soil encountered is a gravel-silt mixture which comprises the grading surface for the asphalt parking lot. The material beneath the site is very inhomogeneous and appears to be construction debris mixed with soil. Brick and concrete fragments, partially decomposed wood, nails, steel washers, aluminum strips, and glass are some of the items found in the soil samples taken during the drilling. This construction debris is found to 10.5 feet in B9, B10, B11, and B12. In B12 and B13 the construction debris extends down to 10 feet depth. At 10 feet a well sorted coarse sand was encountered. In MW-7 bay mud marked the lower extent of the debris at 20.5 foot depth. In MW-8 a silty-clay at 20 feet depth demarcates the lower extent of the debris.

Contamination Distribution

Strong indications of chemical contamination were noted during the drilling operation. Chemical odor in the soil was noted in MW-7, MW-8, B9, B10, and B11. Soil saturated with a black oily substance was observed in samples from MW-7, B9, B10, and B11. Chemical analysis of the soil samples revealed that oil and grease contamination is present in the soil beneath the site. Low amounts of PCBs, near detection limits, were found in borings 7, 11, 13 and in the sample from the sump area. Diesel was found in borings 7,9, and 10. Barium, beryllium, chromium, copper, nickel, vanadium and zinc were found in all the soil samples analyzed.

About 8 ppm (parts per million) MIBK were found in the soil sample from MW8, the well installed near the former MIBK underground storage tank. Low amounts of the BTEX group (benzene, toluene, ethylbenzene, and xylene) were found in the soil samples from borings 7,9,10, and 11. Borings 7,8,9,11,12, and 13 each contained one or more of the following semi-volatile organic chemicals: chrysene, fluoranthrene, 2-methylnaphthalene, naphthalene, phenanthrene, pyrene, benzo (a) anthracene, and benzo (a) pyrene. These are all primarily coal tar derivatives. ✓

The distribution of contaminants in the water is much more confined than the vadose zone contamination distribution. Benzene at 12 ppb (parts per billion) was found in the water from MW5. MW8 contained 103 ppm (parts per million) of total petroleum hydrocarbons. MW8 also contained high values of MIBK in the water. Analysis of water from MW7 tentatively identified 41 ppm of hydrocarbon fatty acids. Low values of TPH,

near the detection limit, were found in the other monitoring wells.

Tables 1-6 are presentations of the results from the chemical analyses done on the soil and water samples. Laboratory reports are included in Appendix 2. Due to a mislabeling of the samples in the field, soil samples labeled as originating from MW7 are actually from MW8, and soil samples labeled as originating from MW8 are from MW7. This error is corrected in the tables.

VI. CONCLUSIONS

The off-site records search and assessment indicates there is a possibility that the subject site is located in an area exposing it to contamination from off-site sources.

This investigation has also found there to be a strong possibility that the subject site is located over an abandoned landfill. Off-site records' search indicated such, and this indication was later confirmed by construction debris found in soil samples taken from beneath the site during the soil borings.

MW7 installed at the property boundary line had contamination of fatty acids (oil and grease) in the groundwater. This contamination appears to be migrating from the site down gradient. The concentration of this contamination requires a remediation effort to remove this material from the groundwater. The total petroleum hydrocarbon (TPH) concentrations need to be reduced.

MW8 was installed about 5-10 feet in a down gradient direction from the excavation pit created by the removal of three USTs. MIBK was reportedly stored in one of the tanks. Fairly substantial amounts of MIBK were found in the water samples taken from MW8. No MIBK was discovered in any of the other monitoring wells located on-site. Therefore, the MIBK has apparently not migrated far.

In conclusion, SCS Engineers believes that the MIBK contamination near the former UST location is the primary cause for concern on the subject site. The other contaminants discovered beneath the site are almost all confined to the soil - the vadose zone. The source of these contaminants, which are primarily heavy oil and grease and/or coal tar derivatives is unknown; however, as such substances are viscous and do not readily move through the subsurface environment, then they are quite likely derived from the landfill itself. Near the tank pit the MIBK in the soil has probably acted as a solvent, dissolved some of these heavy hydrocarbons, and transported them to groundwater. Removal of the MIBK, which is probably acting as a contaminant transporter, will remove the primary source of groundwater contamination beneath the subject site.

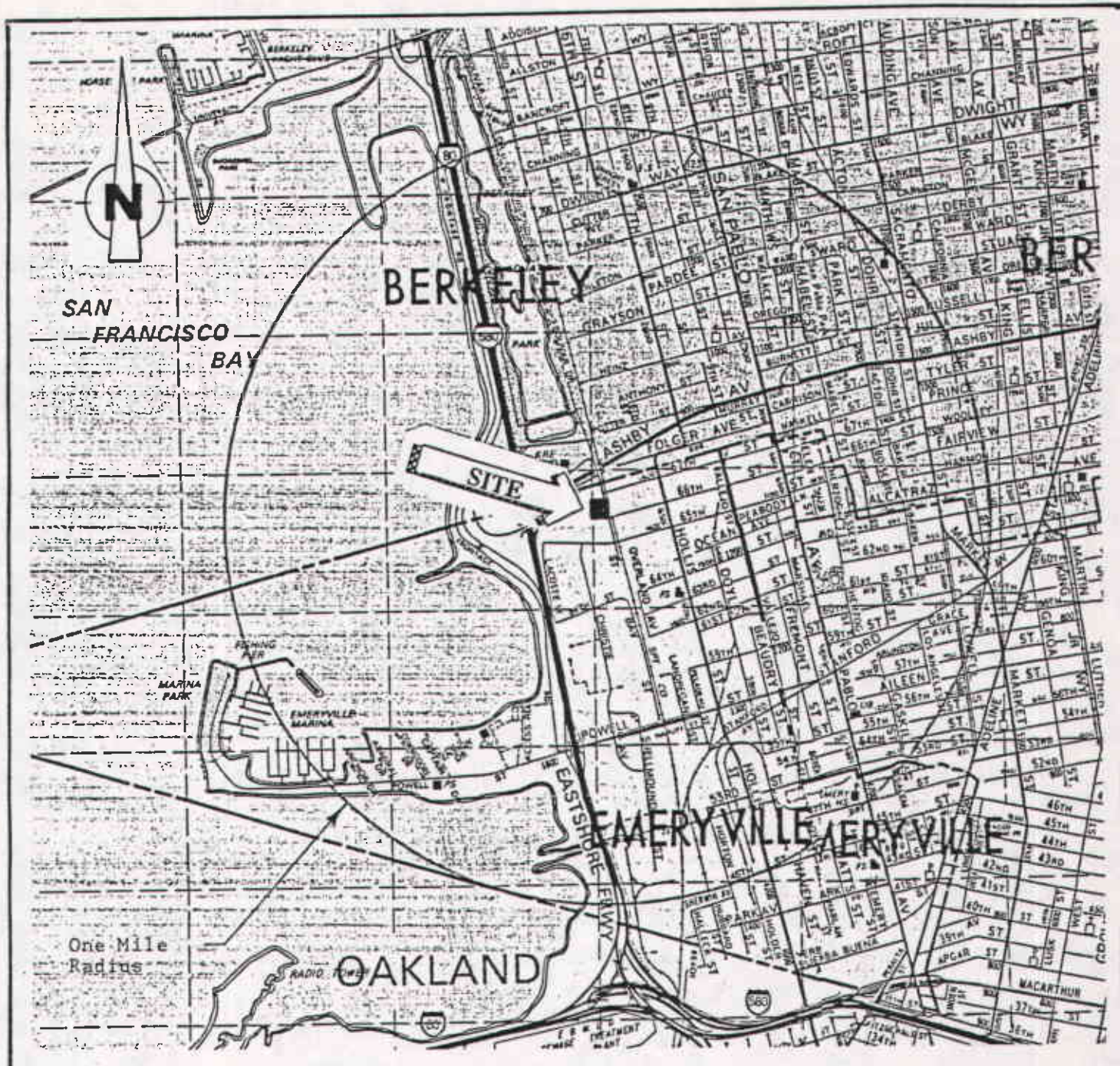
VII. RECOMMENDATIONS

SCS Engineers recommends that action be taken to remove and treat the MIBK in the soil and groundwater beneath the subject site. The vadose zone can be treated through the installation of a vapor extraction system consisting of six manifolded vadose wells extracting vapor from the area of the removed USTs. This vapor will be treated using carbon filters. An extraction system should be installed at MW8, and the water from this well treated by carbon adsorption filtration and the cleaned water discharged in an appropriate manner.

A groundwater extraction and treatment system also needs installed in the southwestern portion of the property. Either MW7 or MW5 may be used for the remediation effort. The choice of which well to use will be dependent on the results of a groundwater gradient study and further sampling of the groundwater from MW5 and MW7.

The site is covered by building or asphalt parking except for a small area 10'x35' of flower and grass berm. The extraction systems will remove the material Methyl Isobutyl Ketone (MIBK), benzene, or other solvents. With the removal of the solvents, the tar/asphalt material from the landfill will become immobile and not migrate into the groundwater. No further contamination from the soil on site will effect groundwater.

SCS Engineers will be pleased to offer a proposal for the design and implementation of a system effecting the remediation of the subject parcel.



Map Source: The Thomas Guide, 1989



SCS ENGINEERS

STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS, INC.

6761-D SIERRA COURT
DUBLIN, CA 94568

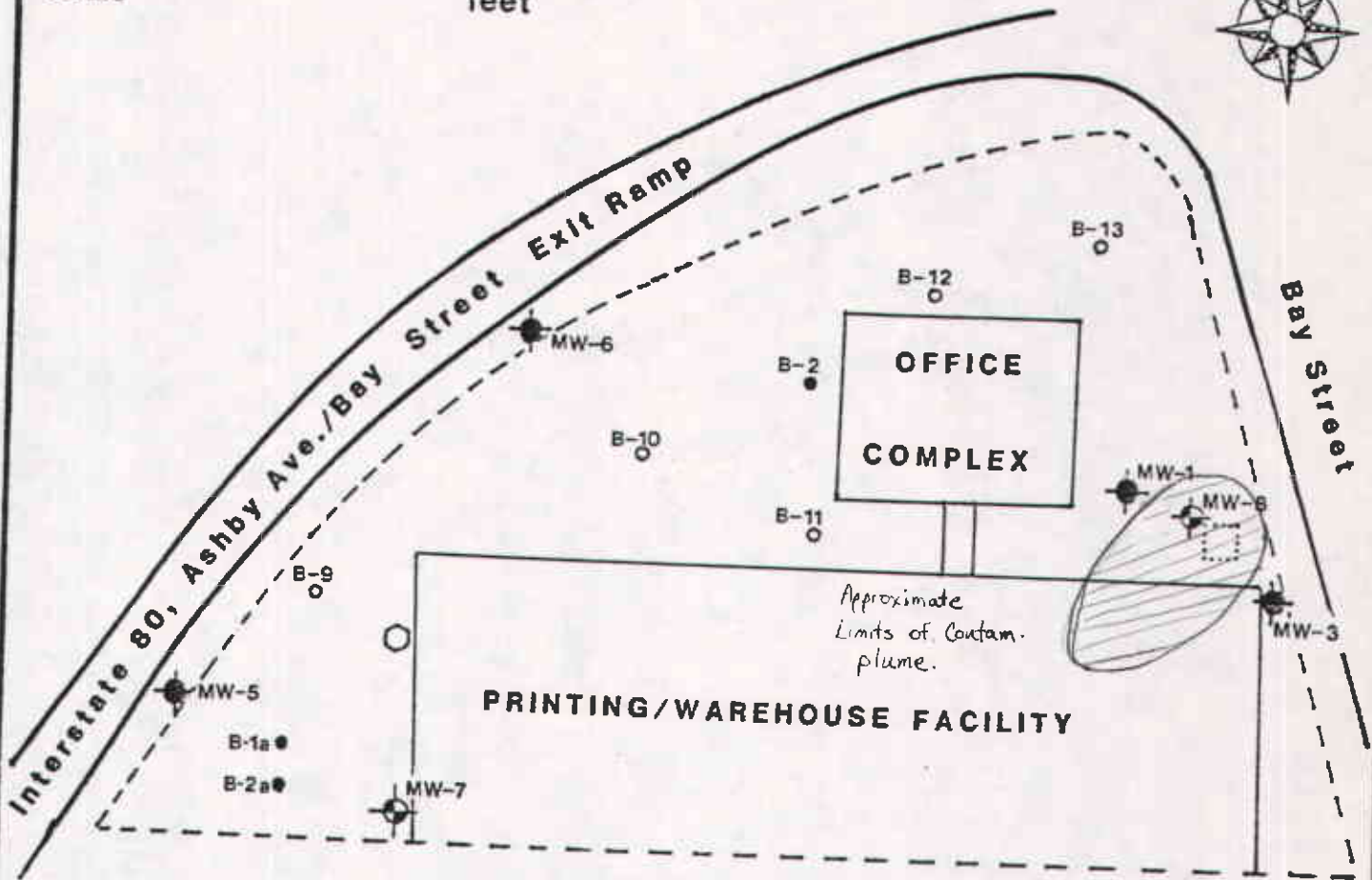
Vicinity Map
Mike Roberts Color Productions
6707 Bay Street
Emeryville, California

Project No. 0389058.00

Date: 12/26/89

Plate

1



LEGEND

- Monitor Wells, installed January 1990
- Monitor Wells installed previous to study
- Soil Boring, January 1990
- Soil Boring sampled previous to study
- Sump
- Property Line
- Excavated Tank Site



SCS ENGINEERS

STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS, INC.

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DUBLIN, CA 94568

Site Plan - Mike Roberts Color Production

6707 Bay Street
Emeryville, California

Project No. 0389058

Date 1-17-90

Page

2

APPENDIX 1

Boring Logs and Driller's Reports

BORING LOG

Project MRCP
 Location Emeryville
 Job # 0389058.00
 Geologist/Engineer Don McClenagan
 Drill Agency Bay Area Exploration

Hole/Well # MW-7
 Diameter of Drill Hole 10.5 inches
 Total Depth of Hole 22 feet
 Date Started 1-3-90
 Date Completed 1-4-90

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION	
0					0-.3' asphalt	
2				GM	.3-1' medium brown sandy gravel, damp, loose	
4						4.5-5' yellow silty gravel, damp, some chemical odor, loose
6			6 8 7	8-1	CL	5-6' black silty clay, 5% gravel, stiff, damp, some odor
8						
10			3 13 21	8-2	ML	9.5-11' yellow silt, 15% gravel, damp, brick and glass fragments, loose, saturated with oily substance at 10'
12						14.5-16 20% gravel
14						
16			3 6 6	8-3	SW	at 20.5' - dark brown silty clay, saturated, shell fragments no chemical odor
18						
20			11			groundwater first encountered: 14.5'
20			8			Static level: 13.25'
22			6	8-4	CL	

BORING LOG

Project <u>MRCP</u>	Hole/Well # <u>MW-8</u>
Location <u>Emeryville</u>	Diameter of Drill Hole <u>10.5 inches</u>
Job # <u>0389058.00</u>	Total Depth of Hole <u>21.5 feet</u>
Geologist/Engineer <u>Don McClenagan</u>	Date Started <u>1-3-90</u>
Drill Agency <u>Bay Area Exploration</u>	Date Completed <u>1-4-90</u>

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0					0-1' dark brown gravelly silt, 20% gravel, damp, loose
2				ML	
4					
6		5 8 11	7-1	---	5-6.5' dark brown sandy clay, 1% gravel, 10% organic mat., damp, stiff, no chem. odor
8					
10		9 10 11	7-2	CL	10-11.5' gray, hard concrete or mortar, slightly damp, strong chemical odor
12					
14					
16		6 5 4	7-3	---	15-16.5' dark grey clay, saturated, wood and plant fiber, strong chemical odor
18				CH	20-21.5' dark grey-green to yellow, silty clay, saturated, strong odor
20					groundwater first encountered at 15 feet
22		7-4			

BORING LOG

Project MRCP
 Location Emeryville
 Job # 0389058.00
 Geologist/Engineer Don McClenagan
 Drill Agency Bay Area Exploration

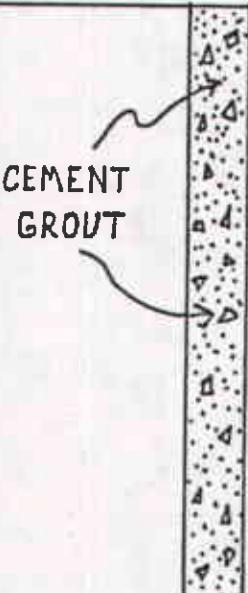
Hole/Well # B-9
 Diameter of Drill Hole 5 inches
 Total Depth of Hole 9 feet
 Date Started 1-4-90
 Date Completed 1-5-90

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0					0-3' asphalt Yellow brown gravelly silt, damp, 15% gravel, loose
2		ML			
4		11 19 21	9-1	---	4-5.5 Medium brown silty gravel, brick, concrete frags, damp, loose, no odor
6					
8		GM			
10		10 11 21	9-2		9-10.5 light brown gravel (brick & concrete frags, glass, nails, aluminum shavings), saturated with oily substance at 10', loose, strong odor

BORING LOG

Project MRCP
 Location Emeryville
 Job # 0389058.00
 Geologist/Engineer Don McClenagan
 Drill Agency Bay Area Exploration

Hole/Well # B-13
 Diameter of Drill Hole 5 inches
 Total Depth of Hole 9 feet
 Date Started 1-4-90
 Date Completed 1-5-90

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION	
0					0-1.3' asphalt	
2	 <p>CEMENT GROUT</p>				1.3-2' medium brown silt, 5% gravel, slightly damp, loose, no odor	
4						
6		9 14 18	13-1	ML	4-5.5' 30% construction debris and gravel, loose, no odor	
8						
10		6 7 12	13-2	SW	at 10' green, well graded sand, coarse, loose, damp, no odor	

BORING LOG

Project MRCP
 Location Emeryville
 Job # 0389058.00
 Geologist/Engineer Don McClenagan
 Drill Agency Bay Area Exploration

Hole/Well # B-10
 Diameter of Drill Hole 5 inches
 Total Depth of Hole 9 feet
 Date Started 1-4-90
 Date Completed 1-5-90

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION	
0					0-3 asphalt medium brown, silty gravel, damp, loose, slight odor	
2				GM		
4			4	10-1		4-5.5 brown silt, wood fragments, brick and concrete frags, strong odor , staured with oily substance
6					ML	
8						
10			4	10-2		9-10.5 dark brown, gravel cgl, construction debris, saturated with oily substance
			4		GM	
			4			
			5			

BORING LOG

Project MRCP
 Location Emeryville
 Job # 0389058.00
 Geologist/Engineer Don McClenagan
 Drill Agency Bay Area Exploration

Hole/Well # B-11
 Diameter of Drill Hole 5 inches
 Total Depth of Hole 9 feet
 Date Started 1-4-90
 Date Completed 1-5-90

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0					0-.3' asphalt
2		ML			.3-1 yellow brown silt, 20% gravel, slightly damp, loose
4		CL	2 6 8	11-1	4-6.5 medium brown gravelly clay, 15% gravel, damp, medium stiff, construction debris
6		ML	6 4 8	11-2	9-10.5' brown gravelly silt, 50% gravel, construction debris, loose, chemical odor, saturated with oily substance
8					
10					

BORING LOG

Project MRCP
 Location Emeryville
 Job # 0389058.00
 Geologist/Engineer Don McClenagan
 Drill Agency Bay Area Exploration

Hole/Well # B-12
 Diameter of Drill Hole 5 inches
 Total Depth of Hole 9 feet
 Date Started 1-4-90
 Date Completed 1-5-90

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0					0-.3' asphalt
2					.3-2' medium brown clayey silt, 5% gravel, loose, slightly damp, no odor
4				ML	4-5.5' dark brown clayey silt, 20% construction debris & gravel, loose, damp
6		5 9 10	12-1		
8					
10		5 7 13	12-2	SW	10-10.5 Green well graded sand, coarse, damp, loose

TABLE 1

Results of Soil Sample Analyses for Gasoline, Diesel, Oil and Grease

	EPA 8015 gasoline	EPA 8015 diesel	503D oil and grease
		---mg/kg (ppm)---	
MW7-1	ND	ND	9000
MW7-2	ND	788	8800
MW8-1	ND	ND	2000
MW8-2	ND		20000
B9-1	ND	ND	23000
B9-2	ND		15000
B10-1	ND		9500
B10-2	ND	ND	6300
B11-1	ND	ND	45000
B11-2	ND	ND	30400
B12-1	ND	ND	38800
B13-1	ND	ND	9400
B13-2	ND	ND	3000
Sump	ND	ND	10500

ND=not detected

Detection Limit for EPA method 8015: 10 ppm

TABLE 2.

**Results of soil sample analyses for EPA Method
8080-Organochlorine Pesticides and PCBs**

Sample ID	Compound	Results mg/kg (ppm)	Detection Limit
MW1	-----	ND	---
MW7-2	-----	ND	---
MW8-1	-----	ND	---
MW8-2	PCB-1260	2.3	1.0
B9-1	-----	ND	---
B9-2	-----	ND	---
B10-1	-----	ND	---
B10-2	-----	ND	---
B11-1	PCB-1260	2.2	1.0
B11-2	-----	ND	---
B12-1	-----	ND	---
B12-2	-----	ND	---
B13-1	PCB-1260	3.1	1.0
B13-2	-----	ND	---
Sump	PCB-1260	4.2	1.0

ND=not detected

TABLE 3.

Results of Soil Sample analyses for CAM Metals

	antimony (10)	arsenic (16)	barium (0.1)	beryllium (0.02)	cadmium (0.7)	chromium (0.5)	cobalt (2)	copper (0.2)
	---mg/kg (ppm)---							
MW7-1	ND	ND	140	0.48	ND	32	8.6	27
MW7-2	ND	ND	24	0.13	ND	21	ND	3.6
MW8-1	ND	ND	42	0.16	ND	27	2.8	18
MW8-2	ND	ND	85	0.15	ND	9.6	ND	41
B9-1	ND	ND	140	0.41	ND	33	7.4	55
B9-2	ND	ND	610	0.31	44	180	15	2300
B10-1	ND	ND	33	0.05	ND	23	ND	39
B10-2	ND	21	590	0.33	1.3	34	6.9	140
B11-1	ND	ND	240	0.36	1.0	22	5.4	44
B11-2	ND	ND	160	0.31	ND	21	3.6	>4500
B12-1	ND	ND	89	0.23	ND	36	3.4	170
B12-2	ND	38	540	0.26	7.7	190	28	2200
B13-1	ND	ND	160	0.36	ND	62	6.5	120
B13-2	ND	ND	37	0.15	ND	29	2.9	4.9
Sump	ND	ND	180	0.48	ND	95	10	49

	lead (12)	mercury (0.009)	moly- (1.0)	nickel (1.0)	selenium (0.2)	silver (0.4)	thallium (10)	vana- (0.3)	zinc (0.4)
	---mg/kg (ppm)---								
M7-1	ND	ND	ND	ND	28	ND	ND	ND	3679
MW7-2	ND	ND	0.088	ND	16	ND	ND	ND	12310
MW8-1	ND	ND	ND	ND	18	ND	ND	ND	1575
MW8-2	24	0.36	ND	ND	6.8	ND	ND	ND	8.5120
B9-1	41	0.45	ND	ND	32	ND	ND	ND	31120
B9-2	980	0.66	27	350	ND	ND	ND	ND	266200
B10-1	42	0.10	ND	ND	10	ND	ND	ND	595
B10-2	1500	0.62	ND	ND	24	ND	ND	ND	28410
B11-1	72	0.092	ND	ND	25	ND	ND	ND	21940
B11-2	55	0.12	ND	ND	24	ND	ND	ND	17160
B12-1	120	ND	ND	ND	29	ND	ND	ND	21150
B12-2	3000	ND	20	110	ND	ND	ND	ND	233600
B13-1	520	ND	ND	ND	42	ND	ND	ND	27300
B13-2	12	ND	ND	ND	18	ND	ND	ND	15210
Sump	62	0.022	ND	135	ND	ND	ND	ND	39150

ND=not detected

d.l.=detection limit (ppm)

TABLE 4.

Results of Soil Sample Analyses for EPA Method 8240-Volatile Organics

Sample ID	Compound	Results mg/kg (ppm)	Detection Limit
MW7-1	-----	ND	----
MW7-2	ethylbenzene	0.25	----
MW8-1	-----	ND	----
(MW8-2)	(methyl isobntyl ketone) <i>MIB</i>	0.061	0.30
	toluene	0.061	0.010
	m- and p-xylene	0.56	0.010
	o-xylene	0.46	0.010
B9-1	toluene	0.012	0.010
B9-2	benzene	0.054	0.010
	ethylbenzene	0.140	0.010
	toluene	0.026	0.010
	m- and p-xylene	0.250	0.010
	o-xylene	0.130	0.010
B10-1	m- and p-xylene	0.043	0.010
B10-2	-----	ND	----
B11-1	toluene	0.015	0.010
B11-2	-----	ND	----
B12-1	-----	ND	----
B12-2	-----	ND	----
B13-1	-----	ND	----
B13-2	-----	ND	----
Sump	-----	ND	----

ND=not detected

TABLE 5.

**Results of Soil Sample Analyses for EPA Method
8270 Semi-Volatile Organics**

Sample ID	Compound	Results mg/kg (ppm)	Detection Limit
MW7-1	-----	ND	---
MW7-2	chrysene	0.39	0.03
	fluoranthene	0.32	0.30
	2-methylnaphthalene	1.5	0.30
	naphthalene	7.5	0.30
	phenanthrene	0.53	0.30
	pyrene	0.36	0.30
MW7-1	-----	ND	---
MW8-2	pyrene	0.41	0.30
B9-1	chrysene	0.39	0.30
B9-2	chrysene	0.63	0.30
	fluoranthene	0.34	0.30
	2-methylnaphthalene	1.10	0.30
	naphthalene	6.80	0.30
	phenanthrene	0.59	0.30
	pyrene	0.55	0.30
B10-1	-----	ND	---
B10-2	-----	ND	---
B11-1	pyrene	0.32	0.30
B11-2	benzo (a) anthracene	0.58	0.30
	chrysene	0.82	0.30
	fluoranthene	1.10	0.30
B11-2	phenanthrene	0.56	0.30
	pyrene	1.80	0.30
B12-1	pyrene	0.37	0.30
B12-2	-----	ND	---
B13-1	benzo (a) pyrene	0.47	0.30
	chrysene	0.39	0.30
	pyrene	0.32	0.30
B13-2	-----	ND	---
Sump	-----	ND	---

ND not detected

TABLE 6.

Results of Water Sample Analyses

Sample ID	EPA 8015 modified ---mg/l---	EPA 418.1 (TPH)	EPA 624 ---mg/l---	EPA 625
MW1-1W	ND	0.5*	ND	ND
MW3-1W	ND	0.6*	ND	ND
MW5-1W	ND	0.7*	benzene 0.012**	ND
MW6-1W	ND	1.2*	ND	ND
MW7-1W	ND	0.8*	ND	ND
MW8-1W	ND	103.0*	being reanalyzed ★	ND

ND=not detected

* detection limit 0.5 ppm

** detection limit 0.005 ppm

★ MW8-1W EPA 624 Reanalysis Results

(results in parts per million)

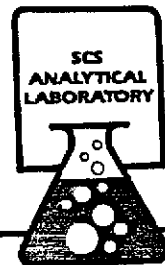
benzene 2.100

Tentatively Identified Compounds - Approximate Concentrations

MIBK	>160.000
Ethyl Acetate	>20.000
Butyl Acetate	5.800
Propyl Acetate	>32.000
Propyl Ester of Propanoic Acid	2.500
Ethyl Butyl Ether	>12.000
C6 Alcohol	34.000

APPENDIX 2

**Laboratory Reports and
Chain of Custody Documentation**



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

MEMO

To: Don McClenagan

From: Curtis B. Jenkins

January 23, 1990

Job No.: 0389058

Page 1 of 49

LABORATORY REPORT

Samples: Eight (8) soil samples from Mike Roberts Color Production, received 1/6/90, analyzed 1/19/90.

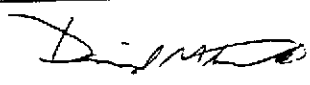
Sample ID	EPA 8015 (gasoline)	EPA 8015 (Diesel)	503D
MW7-1	ND	ND	2,000
MW7-2	ND	ND	20,000
MW8-1	ND	ND	9,000
MW8-2	ND	788	8,800
B9-1	ND	ND	23,000
B9-2	ND	5050	15,000
B10-1	ND	380	9,500
B10-2	ND	ND	6,300

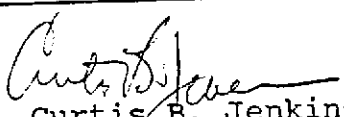
Detection Limit 10

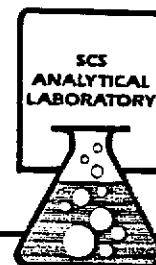
10

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.

EPA 8080, Metals, EPA 8240 & EPA 8270 - see attached sheets


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Chemist


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Addendum Report, EPA 8080
Page 2 of 49

Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected



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Addendum Report, EPA 8080
Page 3 of 49

Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1
	2.3	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected



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Addendum Report, EPA 8080
Page 4 of 49

Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected



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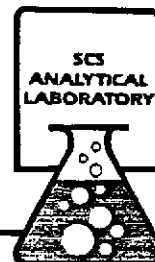
Addendum Report, EPA 8080
Page 5 of 49

Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	---mg/kg (ppm)---	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8080
Page 6 of 49

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Sample I.D.: B9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result -----mg/kg (ppm)-----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



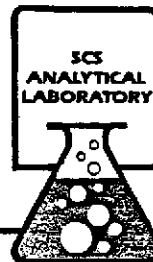
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Addendum Report, EPA 8080
Page 7 of 49

Sample I.D.: BH9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



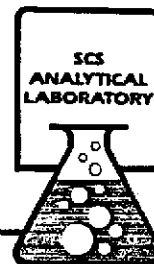
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Addendum Report, EPA 8080
Page 8 of 49

Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



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Addendum Report, EPA 8080
Page 9 of 49

Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



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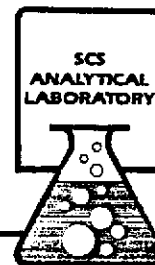
Addendum Report, CAM Metals
Page 10 of 49

Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	42	0.1
Beryllium	7090	0.16	0.02
Cadmium	7130	ND	0.7
Chromium	7190	27	0.5
Cobalt	7200	2.8	2
Copper	7210	18	0.2
Lead	7420	ND	12
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	18	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	15	0.3
Zinc	7950	75	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



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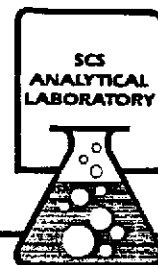
Addendum Report, CAM Metals
Page 11 of 49

Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L.
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	85	0.1
Beryllium	7090	0.15	0.02
Cadmium	7130	ND	0.7
Chromium	7190	9.6	0.5
Cobalt	7200	ND	2
Copper	7210	41	0.2
Lead	7420	24	12
Mercury	7471	0.36	0.009
Molybdenum	7480	ND	1
Nickel	7520	6.8	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	8.5	0.3
Zinc	7950	120	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



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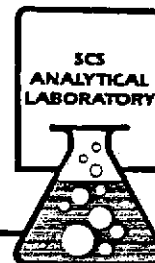
Addendum Report, CAM Metals
Page 12 of 49

Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	140	0.1
Beryllium	7090	0.48	0.02
Cadmium	7130	ND	0.7
Chromium	7190	32	0.5
Cobalt	7200	8.6	2
Copper	7210	27	0.2
Lead	7420	ND	12
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	28	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	36	0.3
Zinc	7950	79	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



Addendum Report, CAM Metals
Page 13 of 49

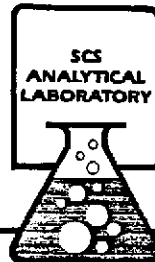
2860 WALNUT AVENUE
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Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L.
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	24	0.1
Beryllium	7090	0.13	0.02
Cadmium	7130	ND	0.7
Chromium	7190	21	0.5
Cobalt	7200	ND	2
Copper	7210	3.6	0.2
Lead	7420	ND	12
Mercury	7471	0.088	0.009
Molybdenum	7480	ND	1
Nickel	7520	16	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	12	0.3
Zinc	7950	310	0.4

ND = Not Detected
D.L. Detection Limit

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



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Addendum Report, CAM Metals
Page 14 of 49

Sample I.D.: B9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	140	0.1
Beryllium	7090	0.41	0.02
Cadmium	7130	ND	0.7
Chromium	7190	33	0.5
Cobalt	7200	7.4	2
Copper	7210	55	0.2
Lead	7420	41	12
Mercury	7471	0.45	0.009
Molybdenum	7480	ND	1
Nickel	7520	32	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	31	0.3
Zinc	7950	120	0.4

ND = Not Detected
D.L. Detection Limit



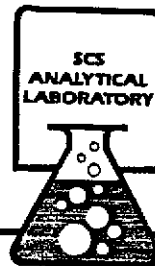
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Addendum Report, CAM Metals
Page 15 of 49

Sample I.D.: B9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	16
Arsenic	7060	ND	16
Barium	7080	610	0.1
Beryllium	7090	0.31	0.02
Cadmium	7130	44	0.7
Chromium	7190	180	0.5
Cobalt	7200	15	2
Copper	7210	2300	0.2
Lead	7420	980	12
Mercury	7471	0.66	0.009
Molybdenum	7480	27	1
Nickel	7520	350	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	26	0.3
Zinc	7950	6200	0.4

ND = Not Detected
D.L. Detection Limit



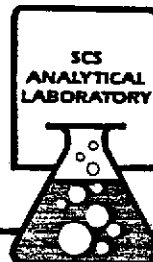
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Addendum Report, CAM Metals
Page 16 of 49

Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	33	0.1
Beryllium	7090	0.05	0.02
Cadmium	7130	ND	0.7
Chromium	7190	23	0.5
Cobalt	7200	ND	2
Copper	7210	39	0.2
Lead	7420	42	12
Mercury	7471	0.10	0.009
Molybdenum	7480	ND	1
Nickel	7520	10	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	5	0.3
Zinc	7950	95	0.4

ND = Not Detected
D.L. Detection Limit



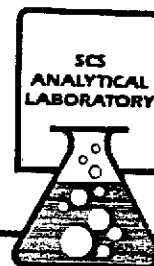
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Addendum Report, CAM Metals
Page 17 of 49

Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob2.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	16
Arsenic	7060	21	16
Barium	7080	590	0.1
Beryllium	7090	0.33	0.02
Cadmium	7130	1.3	0.7
Chromium	7190	34	0.5
Cobalt	7200	6.9	2
Copper	7210	140	0.2
Lead	7420	1500	12
Mercury	7471	0.62	0.009
Molybdenum	7480	ND	1
Nickel	7520	24	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	28	0.3
Zinc	7950	410	0.4

ND = Not Detected
D.L. Detection Limit



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9374
FAX (213) 595-6709

Addendum Report, EPA 8240
Page 18 of 49

Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



Addendum Report, EPA 8240 (Cont.)
Page 19 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW7-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



Addendum Report, EPA 8240
Page 20 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	500
107-02-8	Acrolein	ND	500
107-13-1	Acrylonitrile	ND	500
71-43-2	Benzene	ND	100
75-27-4	Bromodichloromethane	ND	100
75-25-2	Bromoform	ND	100
74-83-9	Bromomethane	ND	300
78-93-3	2-Butanone	ND	500
75-15-0	Carbon Disulfide	ND	100
56-23-5	Carbon Tetrachloride	ND	100
108-90-7	Chlorobenzene	ND	100
124-48-1	Chlorodibromomethane	ND	100
75-00-3	Chloroethane	ND	300
110-75-8	2-Chloroethyl Vinyl Ether	ND	500
67-66-3	Chloroform	ND	100
74-87-3	Chloromethane	ND	300
74-95-3	Dibromomethane	ND	100
110-56-5	1,4-Dichlorobutane	ND	100
75-71-8	Dichlorodifluoromethane	ND	100
75-34-3	1,1-Dichloroethane	ND	100
107-06-2	1,2-Dichloroethane	ND	100
75-35-4	1,1-Dichloroethene	ND	100
156-60-5	trans-1,2-Dichloroethene	ND	100
78-87-5	1,2-Dichloropropane	ND	100
10061-01-5	cis-1,3-Dichloropropene	ND	100
10061-02-6	trans-1,3-Dichloropropene	ND	100
64-17-5	Ethanol	ND	100
100-41-4	Ethylbenzene	ND	100
97-63-2	Ethyl Methylacrylate	ND	100
591-78-6	2-Hexanone	ND	300
74-88-4	Iodomethane	ND	100
75-09-2	Methylene Chloride	ND	500
108-10-1	4-Methyl-2-Pentanone	8300	300

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Addendum Report, EPA 8240 (Cont.)
Page 21 of 49

Sample I.D.: MW7-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	100
79-34-5	1,1,2,2-Tetrachloroethane	ND	100
127-18-4	Tetrachloroethene	ND	100
108-88-3	Toluene	ND	100
71-55-6	1,1,1-Trichloroethane	ND	100
79-00-5	1,1,2-Trichloroethane	ND	100
79-01-6	Trichloroethene	ND	100
75-69-4	Trichlorofluoromethane	ND	100
96-18-4	1,2,3-Trichloropropane	ND	100
108-05-4	Vinyl Acetate	ND	300
75-01-4	Vinyl Chloride	ND	300
1330-20-7	m- and p-Xylenes	ND	100
95-47-6	o-Xylene	ND	100
541-73-1	1,3-Dichlorobenzene	ND	100
106-46-7	1,4-Dichlorobenzene	ND	100
95-50-1	1,2-Dichlorobenzene	ND	100

D.L. = Detection Limit
ND = Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	APPROXIMATE CONCENTRATION
4-Methyl-2-Pentanol	1600 ug/kg

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
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Addendum Report, EPA 8240
Page 22 of 49

Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



Addendum Report, EPA 8240 (Cont.)
Page 23 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW8-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



Addendum Report, EPA 8240
Page 24 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(714) 595-9324
FAX (714) 595-6709

Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	250	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7
are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
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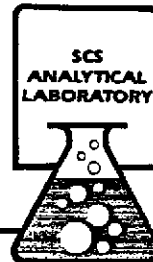
Addendum Report, EPA 8240 (Cont.)
Page 26 of 49

Sample I.D.: MW8-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	61	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	560	10
95-47-6	o-Xylene	460	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



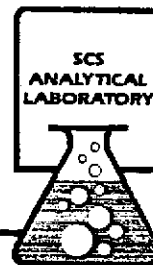
Addendum Report, EPA 8240
Page 26 of 49

2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



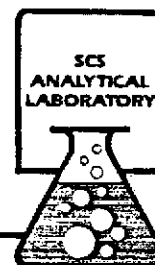
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
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Addendum Report, EPA 8240 (Cont.)
Page 27 of 49

Sample I.D.: B9-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	12	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



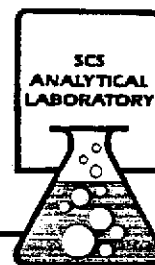
2860 WALNUT AVENUE
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Addendum Report, EPA 8240
Page 28 of 49

Sample I.D.: B9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	54	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	140	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240 (Cont.)
Page 29 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
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Sample I.D.: B9-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	26	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	250	10
95-47-6	o-Xylene	130	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240
Page 30 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



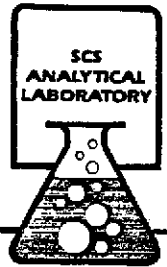
Addendum Report, EPA 8240 (Cont.)
Page 31 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: B10-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	43	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 8240
Page 32 of 49

Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	100
107-02-8	Acrolein	ND	100
107-13-1	Acrylonitrile	ND	100
71-43-2	Benzene	ND	20
75-27-4	Bromodichloromethane	ND	20
75-25-2	Bromoform	ND	20
74-83-9	Bromomethane	ND	60
78-93-3	2-Butanone	ND	100
75-15-0	Carbon Disulfide	ND	20
56-23-5	Carbon Tetrachloride	ND	20
108-90-7	Chlorobenzene	ND	20
124-48-1	Chlorodibromomethane	ND	20
75-00-3	Chloroethane	ND	60
110-75-8	2-Chloroethyl Vinyl Ether	ND	100
67-66-3	Chloroform	ND	20
74-87-3	Chloromethane	ND	60
74-95-3	Dibromomethane	ND	20
110-56-5	1,4-Dichlorobutane	ND	20
75-71-8	Dichlorodifluoromethane	ND	20
75-34-3	1,1-Dichloroethane	ND	20
107-06-2	1,2-Dichloroethane	ND	20
75-35-4	1,1-Dichloroethene	ND	20
156-60-5	trans-1,2-Dichloroethene	ND	20
78-87-5	1,2-Dichloropropane	ND	20
10061-01-5	cis-1,3-Dichloropropene	ND	20
10061-02-6	trans-1,3-Dichloropropene	ND	20
64-17-5	Ethanol	ND	20
100-41-4	Ethylbenzene	ND	20
97-63-2	Ethyl Methylacrylate	ND	20
591-78-6	2-Hexanone	ND	60
74-88-4	Iodomethane	ND	20
75-09-2	Methylene Chloride	ND	100
108-10-1	4-Methyl-2-Pentanone	ND	60

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240 (Cont.)
Page 33 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: B10-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	20
127-18-4	Tetrachloroethene	ND	20
108-88-3	Toluene	ND	20
71-55-6	1,1,1-Trichloroethane	ND	20
79-00-5	1,1,2-Trichloroethane	ND	20
79-01-6	Trichloroethene	ND	20
75-69-4	Trichlorofluoromethane	ND	20
96-18-4	1,2,3-Trichloropropane	ND	20
108-05-4	Vinyl Acetate	ND	60
75-01-4	Vinyl Chloride	ND	60
1330-20-7	m- and p-Xylenes	ND	20
95-47-6	o-Xylene	ND	20
541-73-1	1,3-Dichlorobenzene	ND	20
106-46-7	1,4-Dichlorobenzene	ND	20
95-50-1	1,2-Dichlorobenzene	ND	20

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
Page 34 of 49

Sample I.D.: MW7-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
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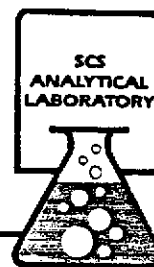
EPA 8270 (continued)
Page 35 of 49

Sample I.D.: MW7-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
Page 36 of 49

Sample I.D.: MW7-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result ----ug/kg (ppb)	D.L.
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
Page 37 of 49

Sample I.D.: MW7-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	410 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



Addendum Report, EPA 8270
Page 38 of 49

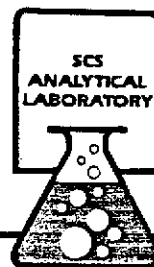
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW8-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



EPA 8270 (continued)
Page 39 of 49

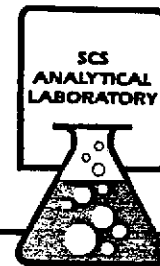
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW8-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg	(ppb)----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
Page 40 of 49

Sample I.D.: MW8-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90805
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EPA 8270 (continued)
Page 41 of 49

Sample I.D.: MW8-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	320	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	1500	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	7500	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	530	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	360	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected

Due to mislabeling of soil samples, all soil samples labeled MW-7 are from MW-8, and all soil samples labeled MW-8 are from MW-7.



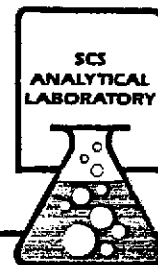
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Addendum Report, EPA 8270
Page 42 of 49

Sample I.D.: B9-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	390	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



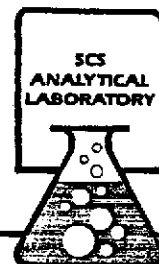
2860 WALNUT AVENUE
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EPA 8270 (continued)
Page 43 of 49

Sample I.D.: B9-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected



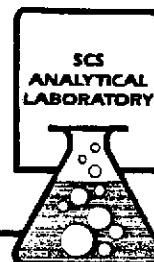
Addendum Report, EPA 8270
Page 44 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Sample I.D.: B9-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	630	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



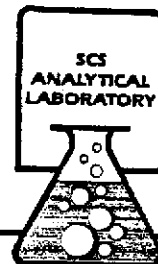
2860 WALNUT AVENUE
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EPA 8270 (continued)
Page 45 of 49

Sample I.D.: B9-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	340	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	1100	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	6800	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	590	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	550	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected



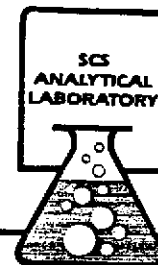
Addendum Report, EPA 8270
Page 46 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Sample I.D.: B10-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	300
100-51-6 Benzyl Alcohol	ND	2000
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	300
101-55-3 4-Bromophenyl Phenyl Ether	ND	2000
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	300
120-83-2 2,4-Dichlorophenol	ND	700
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	300
51-28-5 2,4-Dinitrophenol	ND	2000
	ND	2000

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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EPA 8270 (continued)
Page 47 of 49

Sample I.D.: B10-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 300
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 2000
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 300
86-30-6	N-Nitrosodiphenylamine	ND 2000
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 300
85-01-8	Phenanthrene	ND 2000
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 300
88-06-2	2,4,6-Trichlorophenol	ND 2000
		ND 300

D.L. = Detection Limit
ND = Not detected



Addendum Report, EPA 8270
Page 48 of 49

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Sample I.D.: B10-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



2850 WALNUT AVENUE
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(213) 595-9324
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EPA 8270 (continued)
Page 49 of 49

Sample I.D.: B10-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob2.rep

Compound	Result	D.L.
	----ug/kg	(ppb)----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
67-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
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MEMO

To: Don McClenagan

From: Curtis B. Jenkins

January 23, 1990

Job No.: 0389058

Page 1 of 43

LABORATORY REPORT

Samples: Seven (7) soil samples from Mike Roberts Color Production, received 1/6/90, analyzed 1/19/90.

Sample ID	EPA 8015 (gasoline)	EPA 8015 (Diesel)	503D
	-----mg/kg-----		
BH11-1	ND	ND	45,000
BH11-2	ND	ND	30,400
BH12-1	ND	ND	12,000
BH12-2	ND	ND	38,800
BH13-1	ND	ND	9,400
BH13-2	ND	ND	3,000
Sump	ND	ND	10,500

EPA 8080, Metals, EPA 8240 & EPA 8270 - see attached sheets

David Mikesell
David Mikesell
Chemist

Curtis B. Jenkins
Curtis B. Jenkins
Laboratory Director

mkrobl.rep



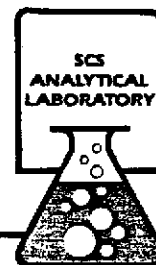
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Addendum Report, EPA 8080
Page 2 of 43

Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	2.2	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8080
Page 3 of 43

Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 8080
Page 4 of 43

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Addendum Report, EPA 8080
Page 5 of 43

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 8080
Page 6 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result -----mg/kg (ppm)-----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	3.1	1

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Addendum Report, EPA 8080
Page 7 of 43

Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	----
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	ND	1

D.L. = Detection Limit
ND = Not Detected



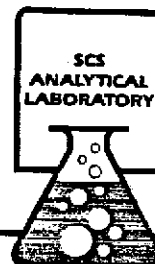
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
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FAX (213) 595-6709

Addendum Report, EPA 8080
Page 8 of 43

Sample I.D.: Surp
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.01
Endosulfan I	ND	0.02
Aldrin	ND	0.01
Endosulfan II	ND	0.02
p,p'-DDT	ND	0.04
Endrin Aldehyde	ND	0.01
Heptachlor Epoxide	ND	0.01
Endrin	ND	0.01
Dieldrin	ND	0.01
p,p'-DDD	ND	0.01
Beta-BHC	ND	0.01
Delta-BHC	ND	0.01
Endosulfan Sulfate	ND	0.02
Heptachlor	ND	0.01
Alpha-BHC	ND	0.01
Lindane	ND	0.01
Toxaphene	ND	2
Chlordane	ND	2
Methoxychlor	ND	1
PCB-1016	ND	1
PCB-1221	ND	1
PCB-1232	ND	1
PCB-1242	ND	1
PCB-1248	ND	1
PCB-1254	ND	1
PCB-1260	4.2	1

D.L. = Detection Limit
ND = Not Detected



Addendum Report, CAM Metals
Page 9 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 595-9324
FAX (714) 595-6709

Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	240	0.1
Beryllium	7090	0.36	0.02
Cadmium	7130	1.0	0.7
Chromium	7190	22	0.5
Cobalt	7200	5.4	0.4
Copper	7210	44	0.2
Lead	7420	72	3
Mercury	7471	0.092	0.009
Molybdenum	7480	ND	1
Nickel	7520	25	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	21	0.3
Zinc	7950	940	0.4

ND = Not Detected
D.L. Detection Limit



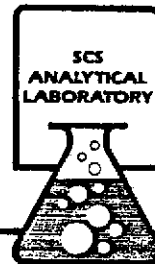
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, CAM Metals
Page 10 of 43

Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result	D.L
		-----mg/kg (ppm)-----	
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	160	0.1
Beryllium	7090	0.31	0.02
Cadmium	7130	ND	0.7
Chromium	7190	21	0.5
Cobalt	7200	3.6	0.4
Copper	7210	>4500	0.2
Lead	7420	55	3
Mercury	7471	0.12	0.009
Molybdenum	7480	ND	1
Nickel	7520	24	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	17	0.3
Zinc	7950	160	0.4

ND = Not Detected
D.L. Detection Limit



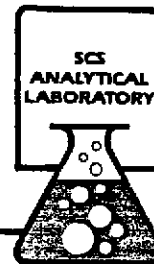
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, CAM Metals
Page 11 of 43

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L.
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	89	0.1
Beryllium	7090	0.23	0.02
Cadmium	7130	ND	0.7
Chromium	7190	36	0.5
Cobalt	7200	3.4	0.4
Copper	7210	170	0.2
Lead	7420	120	3
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	29	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	21	0.3
Zinc	7950	150	0.4

ND = Not Detected
D.L. Detection Limit



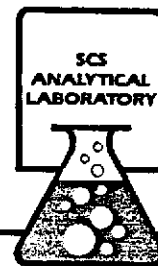
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Addendum Report, CAM Metals
Page 12 of 43

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	28
Arsenic	7060	38	3
Barium	7080	540	0.1
Beryllium	7090	0.26	0.02
Cadmium	7130	7.7	0.7
Chromium	7190	190	0.5
Cobalt	7200	28	0.4
Copper	7210	2200	0.2
Lead	7420	3000	3
Mercury	7471	ND	0.009
Molybdenum	7480	20	1
Nickel	7520	110	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	23	0.3
Zinc	7950	3600	0.4

ND = Not Detected
D.L. Detection Limit



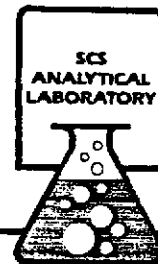
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Addendum Report, CAM Metals
Page 13 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	160	0.1
Beryllium	7090	0.36	0.02
Cadmium	7130	ND	0.7
Chromium	7190	62	0.5
Cobalt	7200	6.5	0.4
Copper	7210	120	0.2
Lead	7420	520	3
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	42	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	27	0.3
Zinc	7950	300	0.4

ND = Not Detected
D.L. Detection Limit



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
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Addendum Report, CAM Metals
Page 14 of 43

Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrobl.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	37	0.1
Beryllium	7090	0.15	0.02
Cadmium	7130	ND	0.7
Chromium	7190	29	0.5
Cobalt	7200	2.9	0.4
Copper	7210	4.9	0.2
Lead	7420	12	3
Mercury	7471	ND	0.009
Molybdenum	7480	ND	1
Nickel	7520	18	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	15	0.3
Zinc	7950	210	0.4

ND = Not Detected
D.L. Detection Limit



2860 WALNUT AVENUE
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FAX (213) 595-6709

Addendum Report, CAM Metals
Page 15 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Analyzed: 1/19/90
Matrix: Soil
Project: 0389058
File #: mkrob1.rep

Compound	EPA Number	Result -----mg/kg (ppm)-----	D.L
Antimony	7040	ND	10
Arsenic	7060	ND	16
Barium	7080	180	0.1
Beryllium	7090	0.48	0.02
Cadmium	7130	ND	0.7
Chromium	7190	95	0.5
Cobalt	7200	10	0.4
Copper	7210	49	0.2
Lead	7420	62	3
Mercury	7471	0.022	0.009
Molybdenum	7480	ND	1
Nickel	7520	135	1
Selenium	7740	ND	0.2
Silver	7760	ND	0.4
Thallium	7840	ND	10
Vanadium	7911	39	0.3
Zinc	7950	150	0.4

ND = Not Detected
D.L. Detection Limit



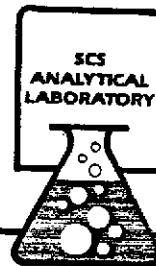
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8240
Page 16 of 43

Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



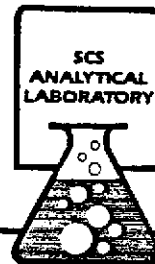
Addendum Report, EPA 8240 (Cont.)
Page 17 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH11-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	15	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240
Page 18 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240 (Cont.)
Page 19 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH11-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



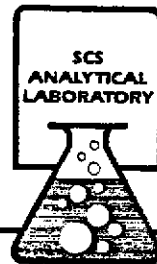
Addendum Report, EPA 8240
Page 20 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 9080
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	50
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone	ND	30
75-15-0	Carbon Disulfide	ND	50
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	10
110-75-8	2-Chloroethyl Vinyl Ether	ND	30
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	10
74-95-3	Dibromomethane	ND	30
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	10
74-88-4	Iodomethane	ND	30
75-09-2	Methylene Chloride	ND	10
108-10-1	4-Methyl-2-Pentanone	ND	50
		ND	30

D.L. = Detection Limit
ND = Not Detected



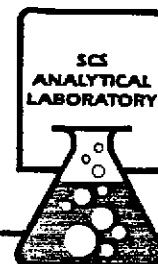
Addendum Report, EPA 8240 (Cont.)
Page 21 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8240
Page 22 of 43

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240 (Cont.)
Page 23 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result ----ug/kg (ppb) ----	D.L.
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8240
Page 24 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



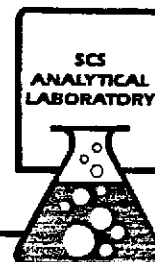
Addendum Report, EPA 8240 (Cont.)
Page 25 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



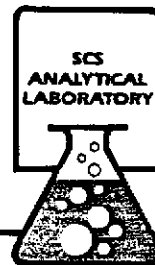
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(714) 595-9324
FAX (714) 595-6709

Addendum Report, EPA 8240
Page 26 of 43

Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



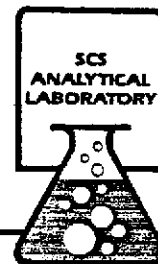
Addendum Report, EPA 8240 (Cont.)
Page 27 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(714) 595-9324
FAX (714) 595-6709

Sample I.D.: BH13-2
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



Addendum Report, EPA 8240
Page 28 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: Sump
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	ND	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	ND	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichlorobutane	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	ND	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	ND	10
97-63-2	Ethyl Methylacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	ND	30

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8240 (Cont.)
Page 29 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Analyzed: 1/17/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-88-3	Toluene	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	ND	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	10
95-47-6	o-Xylene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected



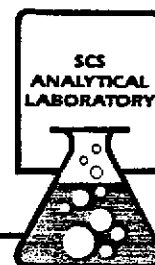
2850 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
Page 30 of 43

Sample I.D.: BH11-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
Page 31 of 43

Sample I.D.: BH11-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	ND	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	ND	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	ND	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	ND	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	320	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
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Addendum Report, EPA 8270

Page 32 of 43

Sample I.D.: BH11-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	580	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	820	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



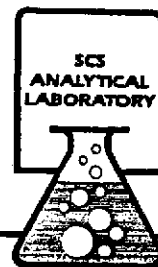
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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EPA 8270 (continued)
Page 33 of 43

Sample I.D.: BH11-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	1100 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	560 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	1800 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected



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Addendum Report, EPA 8270
Page 34 of 43

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



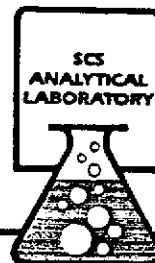
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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EPA 8270 (continued)
Page 35 of 43

Sample I.D.: BH12-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	370 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected



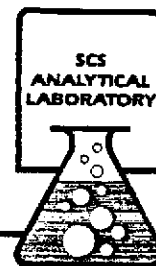
2860 WALNUT AVENUE
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Addendum Report, EPA 8270
Page 36 of 43

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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EPA 8270 (continued)
Page 37 of 43

Sample I.D.: BH12-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	ND	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	ND	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	ND	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	ND	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	ND	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected



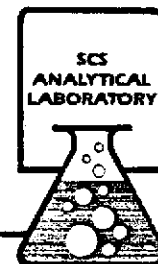
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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Addendum Report, EPA 8270
Page 38 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrob1.rep

Compound	Result ----ug/kg (ppb)	D.L. ----
83-32-9	Acenaphthene	ND 300
208-96-8	Acenaphthylene	ND 300
120-12-7	Anthracene	ND 300
56-55-3	Benzo(a)Anthracene	ND 300
205-99-2	Benzo(b & k)Fluoranthenes	ND 300
191-24-2	Benzo(ghi)perylene	ND 300
50-32-8	Benzo(a)pyrene	470 300
65-85-0	Benzoic Acid	ND 2000
100-51-6	Benzyl Alcohol	ND 300
111-91-1	Bis(2-Chloroethoxy) Methane	ND 300
111-44-4	Bis(2-Chloroethyl) Ether	ND 300
39638-32-9	Bis(2-Chloroisopropyl) Ether	ND 300
117-81-7	Bis(2-ethylhexyl) Phthalate	ND 2000
101-55-3	4-Bromophenyl Phenyl Ether	ND 300
85-68-7	Butyl Benzyl Phthalate	ND 300
106-47-8	4-Chloroaniline	ND 300
59-50-7	4-Chloro-3-Methylphenol	ND 300
91-58-7	2-Chloronaphthalene	ND 300
95-57-8	2-Chlorophenol	ND 300
7005-72-3	4-Chlorophenyl Phenyl Ether	ND 300
218-01-9	Chrysene	390 300
53-70-3	Dibenzo(a,h)anthracene	ND 300
132-64-9	Dibenzofuran	ND 300
84-74-2	Di-N-Butyl Phthalate	ND 300
95-50-1	1,2-Dichlorobenzene	ND 300
541-73-1	1,3-Dichlorobenzene	ND 300
106-46-7	1,4-Dichlorobenzene	ND 300
91-94-1	3,3'-Dichlorobenzidine	ND 700
120-83-2	2,4-Dichlorophenol	ND 300
84-66-2	Diethyl Phthalate	ND 300
105-67-9	2,4-Dimethylphenol	ND 300
131-11-3	Dimethyl Phthalate	ND 300
534-52-1	4,6-Dinitro-2-Methylphenol	ND 2000
51-28-5	2,4-Dinitrophenol	ND 2000

D.L. = Detection Limit
ND = Not Detected



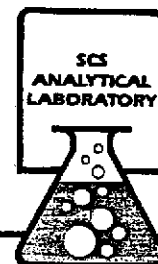
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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EPA 8270 (continued)
Page 39 of 43

Sample I.D.: BH13-1
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	320 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected



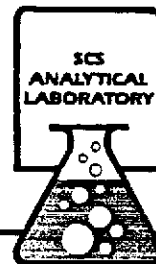
2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 8270
Page 40 of 43

Sample I.D.: BH13-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



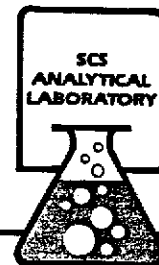
EPA 8270 (continued)
Page 41 of 43

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
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Sample I.D.: BH13-2
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg	(ppb)----
121-14-2	2,4-Dinitrotoluene	ND 300
606-20-2	2,6-Dinitrotoluene	ND 300
117-84-0	Di-N-Octyl Phthalate	ND 300
206-44-0	Fluoranthene	ND 300
86-73-7	Fluorene	ND 300
118-74-1	Hexachlorobenzene	ND 300
87-68-3	Hexachlorobutadiene	ND 300
77-47-4	Hexachlorocyclopentadiene	ND 300
67-72-1	Hexachloroethane	ND 300
193-39-5	Indeno(1,2,3-cd)pyrene	ND 300
78-59-1	Isophorone	ND 300
91-57-6	2-Methylnaphthalene	ND 300
95-48-7	2-Methylphenol	ND 300
106-44-5	4-Methylphenol	ND 300
91-20-3	Naphthalene	ND 300
88-74-4	2-Nitroaniline	ND 2000
99-09-2	3-Nitroaniline	ND 2000
100-01-6	4-Nitroaniline	ND 2000
98-95-3	Nitrobenzene	ND 300
88-75-5	2-Nitrophenol	ND 300
100-02-7	4-Nitrophenol	ND 2000
86-30-6	N-Nitrosodiphenylamine	ND 300
621-64-7	N-Nitrosodipropylamine	ND 300
87-86-5	Pentachlorophenol	ND 2000
85-01-8	Phenanthrene	ND 300
108-95-2	Phenol	ND 300
129-00-0	Pyrene	ND 300
120-82-1	1,2,4-Trichlorobenzene	ND 300
95-95-4	2,4,5-Trichlorophenol	ND 2000
88-06-2	2,4,6-Trichlorophenol	ND 300

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
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FAX (714) 595-6709

Addendum Report, EPA 8270
Page 42 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	----
83-32-9 Acenaphthene	ND	300
208-96-8 Acenaphthylene	ND	300
120-12-7 Anthracene	ND	300
56-55-3 Benzo(a)Anthracene	ND	300
205-99-2 Benzo(b & k)Fluoranthenes	ND	300
191-24-2 Benzo(ghi)perylene	ND	300
50-32-8 Benzo(a)pyrene	ND	300
65-85-0 Benzoic Acid	ND	2000
100-51-6 Benzyl Alcohol	ND	300
111-91-1 Bis(2-Chloroethoxy) Methane	ND	300
111-44-4 Bis(2-Chloroethyl) Ether	ND	300
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	300
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	2000
101-55-3 4-Bromophenyl Phenyl Ether	ND	300
85-68-7 Butyl Benzyl Phthalate	ND	300
106-47-8 4-Chloroaniline	ND	300
59-50-7 4-Chloro-3-Methylphenol	ND	300
91-58-7 2-Chloronaphthalene	ND	300
95-57-8 2-Chlorophenol	ND	300
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	300
218-01-9 Chrysene	ND	300
53-70-3 Dibenzo(a,h)anthracene	ND	300
132-64-9 Dibenzofuran	ND	300
84-74-2 Di-N-Butyl Phthalate	ND	300
95-50-1 1,2-Dichlorobenzene	ND	300
541-73-1 1,3-Dichlorobenzene	ND	300
106-46-7 1,4-Dichlorobenzene	ND	300
91-94-1 3,3'-Dichlorobenzidine	ND	700
120-83-2 2,4-Dichlorophenol	ND	300
84-66-2 Diethyl Phthalate	ND	300
105-67-9 2,4-Dimethylphenol	ND	300
131-11-3 Dimethyl Phthalate	ND	300
534-52-1 4,6-Dinitro-2-Methylphenol	ND	2000
51-28-5 2,4-Dinitrophenol	ND	2000

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(213) 595-9324
FAX (213) 595-6709

EPA 8270 (continued)
Page 43 of 43

Sample I.D.: Sump
Date Received: 1/6/90
Date Extracted: 1/9/90
Date Analyzed: 1/19/90
Matrix: Soil
Project #: 0389058
File #: mkrobl.rep

Compound	Result	D.L.
	----ug/kg (ppb)----	
121-14-2 2,4-Dinitrotoluene	ND	300
606-20-2 2,6-Dinitrotoluene	ND	300
117-84-0 Di-N-Octyl Phthalate	ND	300
206-44-0 Fluoranthene	ND	300
86-73-7 Fluorene	ND	300
118-74-1 Hexachlorobenzene	ND	300
87-68-3 Hexachlorobutadiene	ND	300
77-47-4 Hexachlorocyclopentadiene	ND	300
67-72-1 Hexachloroethane	ND	300
193-39-5 Indeno(1,2,3-cd)pyrene	ND	300
78-59-1 Isophorone	ND	300
91-57-6 2-Methylnaphthalene	ND	300
95-48-7 2-Methylphenol	ND	300
106-44-5 4-Methylphenol	ND	300
91-20-3 Naphthalene	ND	300
88-74-4 2-Nitroaniline	ND	2000
99-09-2 3-Nitroaniline	ND	2000
100-01-6 4-Nitroaniline	ND	2000
98-95-3 Nitrobenzene	ND	300
88-75-5 2-Nitrophenol	ND	300
100-02-7 4-Nitrophenol	ND	2000
86-30-6 N-Nitrosodiphenylamine	ND	300
621-64-7 N-Nitrosodipropylamine	ND	300
87-86-5 Pentachlorophenol	ND	2000
85-01-8 Phenanthrene	ND	300
108-95-2 Phenol	ND	300
129-00-0 Pyrene	ND	300
120-82-1 1,2,4-Trichlorobenzene	ND	300
95-95-4 2,4,5-Trichlorophenol	ND	2000
88-06-2 2,4,6-Trichlorophenol	ND	300

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
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MEMO

To: John Cummings

From: Curtis B. Jenkins

January 26, 1990

Job No.: 0389058

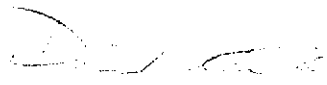
Page 1 of 20


LABORATORY REPORT

Samples: Thirty (30) water samples from Mike Roberts Color Production, received 1/11/90 analyzed 1/19/90 and 1/23/90. Twenty four (24) samples to be analyzed and the remainder to be archived.

Sample ID	EPA 8015 Modified	EPA 418.1
	-----mg/L	-----
MW1-1W	ND	0.5
MW3-1W	ND	0.6
MW5-1W	ND	0.7
MW6-1W	ND	1.2
MW7-1W	ND	0.8
MW8-1W	ND	
Detection Limit	10	0.5

EPA 624 & EPA 625 - see attached sheets


David Mikesell
Chemist


Curtis B. Jenkins
Laboratory Director

mkrob3.rep



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 624
Page 2 of 20

Sample I.D.: MW1-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 624
Page 3 of 20

Sample I.D.: MW3-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 624
Page 4 of 20

Sample I.D.: MW5-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	12	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 624
Page 5 of 20

Sample I.D.: MW6-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 624
Page 6 of 20

Sample I.D.: MW7-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

CAS #	Compound	Result -----ug/L(ppb)-----	D.L.
71-43-2	Benzene	ND	5
75-27-4	Bromodichloromethane	ND	5
75-25-2	Bromoform	ND	5
74-83-9	Bromomethane	ND	30
56-23-5	Carbon Tetrachloride	ND	5
108-90-7	Chlorobenzene	ND	5
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	5
74-87-3	Chloromethane	ND	30
124-48-1	Dibromochloromethane	ND	5
95-50-1	1,2-Dichlorobenzene	ND	5
541-73-1	1,3-Dichlorobenzene	ND	5
106-46-7	1,4-Dichlorobenzene	ND	5
75-34-3	1,1-Dichloroethane	ND	5
107-06-2	1,2-Dichloroethane	ND	5
75-35-4	1,1-Dichloroethene	ND	5
156-60-5	trans-1,2-Dichloroethene	ND	5
78-87-5	1,2-Dichloropropane	ND	5
10061-01-5	cis-1,3-Dichloropropene	ND	5
10061-02-6	trans-1,3-Dichloropropene	ND	5
100-41-4	Ethylbenzene	ND	5
75-09-2	Methylene Chloride	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	5
127-18-4	Tetrachloroethene	ND	5
108-88-3	Toluene	ND	5
71-55-6	1,1,1-Trichloroethane	ND	5
79-00-5	1,1,2-Trichloroethane	ND	5
79-01-6	Trichloroethene	ND	5
75-69-4	Trichlorofluoromethane	ND	5
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	ND	5
95-47-6	o-Xylene	ND	5

D.L. = Detection Limit

ND = Not Detected



2860 WALNUT AVENUE
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Addendum Report, EPA 624
Page 7 of 20

Sample I.D.: MW8-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

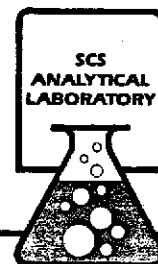
CAS #	Compound	Result	D.L.
		-----ug/L(ppb)-----	
71-43-2	Benzene	2100	1000
75-27-4	Bromodichloromethane	ND	1000
75-25-2	Bromoform	ND	1000
74-83-9	Bromomethane	ND	6000
56-23-5	Carbon Tetrachloride	ND	1000
108-90-7	Chlorobenzene	ND	1000
75-00-3	Chloroethane	ND	6000
110-75-8	2-Chloroethyl Vinyl Ether	ND	10000
67-66-3	Chloroform	ND	1000
74-87-3	Chloromethane	ND	6000
124-48-1	Dibromochloromethane	ND	1000
95-50-1	1,2-Dichlorobenzene	ND	1000
541-73-1	1,3-Dichlorobenzene	ND	1000
106-46-7	1,4-Dichlorobenzene	ND	1000
75-34-3	1,1-Dichloroethane	ND	1000
107-06-2	1,2-Dichloroethane	ND	1000
75-35-4	1,1-Dichloroethene	ND	1000
156-60-5	trans-1,2-Dichloroethene	ND	1000
78-87-5	1,2-Dichloropropane	ND	1000
10061-01-5	cis-1,3-Dichloropropene	ND	1000
10061-02-6	trans-1,3-Dichloropropene	ND	1000
100-41-4	Ethylbenzene	ND	1000
75-09-2	Methylene Chloride	ND	10000
79-34-5	1,1,2,2-Tetrachloroethane	ND	1000
127-18-4	Tetrachloroethene	ND	1000
108-88-3	Toluene	ND	1000
71-55-6	1,1,1-Trichloroethane	ND	1000
79-00-5	1,1,2-Trichloroethane	ND	1000
79-01-6	Trichloroethene	ND	1000
75-69-4	Trichlorofluoromethane	ND	1000
75-01-4	Vinyl Chloride	ND	6000
1330-20-7	m- and p-Xylenes	ND	1000
95-47-6	o-Xylene	ND	1000

D.L. = Detection Limit
ND = Not Detected



Sample I.D.: MW8-1W
Date Received: 1/11/90
Date Analyzed: 1/23/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

TENTANTIVELY IDENTIFIED COMPOUNDS	
COMPOUND NAME	APPROXIMATE CONCENTRATION (ppb)
MIBK	>160,000
Ethyl Acetate	>20,000
Butyl Acetate	5,800
Propyl Acetate	>32,000
Propyl Ester of Propanoic Acid	2,500
Ethyl Butyl Ether	>12,000
C6 Alcohol	34,000



Addendum Report, EPA 625
Page 9 of 20

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW1-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	100
56-55-3 Benzo(a)Anthracene	ND	20
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	100
100-51-6 Benzyl Alcohol	ND	20
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	100
101-55-3 4-Bromophenyl Phenyl Ether	ND	20
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	100
51-28-5 2,4-Dinitrophenol	ND	100

D.L. = Detection Limit
ND = Not Detected



Sample I.D.: MW1-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
ND = Not detected



Addendum Report, EPA 625
Page 11 of 20

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW3-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	100
56-55-3 Benzo(a)Anthracene	ND	20
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	100
100-51-6 Benzyl Alcohol	ND	20
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	100
101-55-3 4-Bromophenyl Phenyl Ether	ND	20
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	100
51-28-5 2,4-Dinitrophenol	ND	100

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

EPA 625 (continued)
Page 12 of 20

Sample I.D.: MW3-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result ----ug/l	D.L. (ppb)-----
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
ND = Not detected



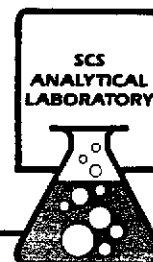
Addendum Report, EPA 625
Page 13 of 20

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW5-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
83-32-9 Acenaphthene	ND	20
208-96-8 Acenaphthylene	ND	20
120-12-7 Anthracene	ND	20
92-87-5 Benzidine	ND	100
56-55-3 Benzo(a)Anthracene	ND	20
205-99-2 Benzo(b & k)Fluoranthenes	ND	20
191-24-2 Benzo(ghi)perylene	ND	20
50-32-8 Benzo(a)pyrene	ND	20
65-85-0 Benzoic Acid	ND	100
100-51-6 Benzyl Alcohol	ND	20
111-91-1 Bis(2-Chloroethoxy) Methane	ND	20
111-44-4 Bis(2-Chloroethyl) Ether	ND	20
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	20
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	100
101-55-3 4-Bromophenyl Phenyl Ether	ND	20
85-68-7 Butyl Benzyl Phthalate	ND	20
106-47-8 4-Chloroaniline	ND	20
59-50-7 4-Chloro-3-Methylphenol	ND	20
91-58-7 2-Chloronaphthalene	ND	20
95-57-8 2-Chlorophenol	ND	20
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	20
218-01-9 Chrysene	ND	20
53-70-3 Dibenzo(a,h)anthracene	ND	20
132-64-9 Dibenzofuran	ND	20
84-74-2 Di-N-Butyl Phthalate	ND	20
95-50-1 1,2-Dichlorobenzene	ND	20
541-73-1 1,3-Dichlorobenzene	ND	20
106-46-7 1,4-Dichlorobenzene	ND	20
91-94-1 3,3'-Dichlorobenzidine	ND	20
120-83-2 2,4-Dichlorophenol	ND	20
84-66-2 Diethyl Phthalate	ND	20
105-67-9 2,4-Dimethylphenol	ND	20
131-11-3 Dimethyl Phthalate	ND	20
534-52-1 4,6-Dinitro-2-Methylphenol	ND	100
51-28-5 2,4-Dinitrophenol	ND	100

D.L. = Detection Limit
ND = Not Detected



EPA 625 (continued)
Page 14 of 20

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW5-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 625
Page 15 of 20

Sample I.D.: MW6-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result ----ug/l	D.L. (ppb)-----
83-32-9	Acenaphthene	ND 20
208-96-8	Acenaphthylene	ND 20
120-12-7	Anthracene	ND 20
92-87-5	Benzidine	ND 100
56-55-3	Benzo(a)Anthracene	ND 20
205-99-2	Benzo(b & k)Fluoranthenes	ND 20
191-24-2	Benzo(ghi)perylene	ND 20
50-32-8	Benzo(a)pyrene	ND 20
65-85-0	Benzoic Acid	ND 100
100-51-6	Benzyl Alcohol	ND 20
111-91-1	Bis(2-Chloroethoxy) Methane	ND 20
111-44-4	Bis(2-Chloroethyl) Ether	ND 20
39638-32-9	Bis(2-Chloroisopropyl) Ether	ND 20
117-81-7	Bis(2-ethylhexyl) Phthalate	ND 100
101-55-3	4-Bromophenyl Phenyl Ether	ND 20
85-68-7	Butyl Benzyl Phthalate	ND 20
106-47-8	4-Chloroaniline	ND 20
59-50-7	4-Chloro-3-Methylphenol	ND 20
91-58-7	2-Chloronaphthalene	ND 20
95-57-8	2-Chlorophenol	ND 20
7005-72-3	4-Chlorophenyl Phenyl Ether	ND 20
218-01-9	Chrysene	ND 20
53-70-3	Dibenzo(a,h)anthracene	ND 20
132-64-9	Dibenzofuran	ND 20
84-74-2	Di-N-Butyl Phthalate	ND 20
95-50-1	1,2-Dichlorobenzene	ND 20
541-73-1	1,3-Dichlorobenzene	ND 20
106-46-7	1,4-Dichlorobenzene	ND 20
91-94-1	3,3'-Dichlorobenzidine	ND 20
120-83-2	2,4-Dichlorophenol	ND 20
84-66-2	Diethyl Phthalate	ND 20
105-67-9	2,4-Dimethylphenol	ND 20
131-11-3	Dimethyl Phthalate	ND 20
534-52-1	4,6-Dinitro-2-Methylphenol	ND 100
51-28-5	2,4-Dinitrophenol	ND 100

D.L. = Detection Limit
ND = Not Detected



EPA 625 (continued)
Page 16 of 20

2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Sample I.D.: MW6-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	-----
121-14-2 2,4-Dinitrotoluene	ND	20
606-20-2 2,6-Dinitrotoluene	ND	20
117-84-0 Di-N-Octyl Phthalate	ND	20
206-44-0 Fluoranthene	ND	20
86-73-7 Fluorene	ND	20
118-74-1 Hexachlorobenzene	ND	20
87-68-3 Hexachlorobutadiene	ND	20
77-47-4 Hexachlorocyclopentadiene	ND	20
67-72-1 Hexachloroethane	ND	20
193-39-5 Indeno(1,2,3-cd)pyrene	ND	20
78-59-1 Isophorone	ND	20
91-57-6 2-Methylnaphthalene	ND	20
95-48-7 2-Methylphenol	ND	20
106-44-5 3 & 4-Methylphenols	ND	20
91-20-3 Naphthalene	ND	20
88-74-4 2-Nitroaniline	ND	100
99-09-2 3-Nitroaniline	ND	100
100-01-6 4-Nitroaniline	ND	100
98-95-3 Nitrobenzene	ND	20
88-75-5 2-Nitrophenol	ND	20
100-02-7 4-Nitrophenol	ND	100
86-30-6 N-Nitrosodiphenylamine	ND	20
621-64-7 N-Nitrosodipropylamine	ND	20
87-86-5 Pentachlorophenol	ND	100
85-01-8 Phenanthrene	ND	20
108-95-2 Phenol	ND	20
129-00-0 Pyrene	ND	20
120-82-1 1,2,4-Trichlorobenzene	ND	20
95-95-4 2,4,5-Trichlorophenol	ND	100
88-06-2 2,4,6-Trichlorophenol	ND	20

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(714) 595-9324
FAX (714) 595-6709

Addendum Report, EPA 625
Page 17 of 20

Sample I.D.: MW7-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
83-32-9	Acenaphthene	ND 20
208-96-8	Acenaphthylene	ND 20
120-12-7	Anthracene	ND 20
92-87-5	Benzidine	ND 100
56-55-3	Benzo(a)Anthracene	ND 20
205-99-2	Benzo(b & k)Fluoranthenes	ND 20
191-24-2	Benzo(ghi)perylene	ND 20
50-32-8	Benzo(a)pyrene	ND 20
65-85-0	Benzoic Acid	ND 100
100-51-6	Benzyl Alcohol	ND 20
111-91-1	Bis(2-Chloroethoxy) Methane	ND 20
111-44-4	Bis(2-Chloroethyl) Ether	ND 20
39638-32-9	Bis(2-Chloroisopropyl) Ether	ND 20
117-81-7	Bis(2-ethylhexyl) Phthalate	ND 100
101-55-3	4-Bromophenyl Phenyl Ether	ND 20
85-68-7	Butyl Benzyl Phthalate	ND 20
106-47-8	4-Chloroaniline	ND 20
59-50-7	4-Chloro-3-Methylphenol	ND 20
91-58-7	2-Chloronaphthalene	ND 20
95-57-8	2-Chlorophenol	ND 20
7005-72-3	4-Chlorophenyl Phenyl Ether	ND 20
218-01-9	Chrysene	ND 20
53-70-3	Dibenzo(a,h)anthracene	ND 20
132-64-9	Dibenzofuran	ND 20
84-74-2	Di-N-Butyl Phthalate	ND 20
95-50-1	1,2-Dichlorobenzene	ND 20
541-73-1	1,3-Dichlorobenzene	ND 20
106-46-7	1,4-Dichlorobenzene	ND 20
91-94-1	3,3'-Dichlorobenzidine	ND 20
120-83-2	2,4-Dichlorophenol	ND 20
84-66-2	Diethyl Phthalate	ND 20
105-67-9	2,4-Dimethylphenol	ND 20
131-11-3	Dimethyl Phthalate	ND 20
534-52-1	4,6-Dinitro-2-Methylphenol	ND 100
51-28-5	2,4-Dinitrophenol	ND 100

D.L. = Detection Limit
ND = Not Detected



Sample I.D.: MW7-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)-----	
121-14-2	2,4-Dinitrotoluene	ND 20
606-20-2	2,6-Dinitrotoluene	ND 20
117-84-0	Di-N-Octyl Phthalate	ND 20
206-44-0	Fluoranthene	ND 20
86-73-7	Fluorene	ND 20
118-74-1	Hexachlorobenzene	ND 20
87-68-3	Hexachlorobutadiene	ND 20
77-47-4	Hexachlorocyclopentadiene	ND 20
67-72-1	Hexachloroethane	ND 20
193-39-5	Indeno(1,2,3-cd)pyrene	ND 20
78-59-1	Isophorone	ND 20
91-57-6	2-Methylnaphthalene	ND 20
95-48-7	2-Methylphenol	ND 20
106-44-5	3 & 4-Methylphenols	ND 20
91-20-3	Naphthalene	ND 20
88-74-4	2-Nitroaniline	ND 100
99-09-2	3-Nitroaniline	ND 100
100-01-6	4-Nitroaniline	ND 100
98-95-3	Nitrobenzene	ND 20
88-75-5	2-Nitrophenol	ND 20
100-02-7	4-Nitrophenol	ND 100
86-30-6	N-Nitrosodiphenylamine	ND 20
621-64-7	N-Nitrosodipropylamine	ND 20
87-86-5	Pentachlorophenol	ND 100
85-01-8	Phenanthrene	ND 20
108-95-2	Phenol	ND 20
129-00-0	Pyrene	ND 20
120-82-1	1,2,4-Trichlorobenzene	ND 20
95-95-4	2,4,5-Trichlorophenol	ND 100
88-06-2	2,4,6-Trichlorophenol	ND 20

D.L. = Detection Limit
ND = Not detected



2860 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9324
FAX (213) 595-6709

Addendum Report, EPA 625
Page 19 of 20

Sample I.D.: MW8-1W
Date Received: 1/11/90
Date Extracted: 1/15/90
Date Analyzed: 1/19/90
Matrix: Water
Project #: 0389058
File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
83-32-9 Acenaphthene	ND	150
208-96-8 Acenaphthylene	ND	150
120-12-7 Anthracene	ND	150
92-87-5 Benzidine	ND	750
56-55-3 Benzo(a)Anthracene	ND	150
205-99-2 Benzo(b & k)Fluoranthenes	ND	150
191-24-2 Benzo(ghi)perylene	ND	150
50-32-8 Benzo(a)pyrene	ND	150
65-85-0 Benzoic Acid	ND	750
100-51-6 Benzyl Alcohol	ND	150
111-91-1 Bis(2-Chloroethoxy) Methane	ND	150
111-44-4 Bis(2-Chloroethyl) Ether	ND	150
39638-32-9 Bis(2-Chloroisopropyl) Ether	ND	150
117-81-7 Bis(2-ethylhexyl) Phthalate	ND	750
101-55-3 4-Bromophenyl Phenyl Ether	ND	150
85-68-7 Butyl Benzyl Phthalate	ND	150
106-47-8 4-Chloroaniline	ND	150
59-50-7 4-Chloro-3-Methylphenol	ND	150
91-58-7 2-Chloronaphthalene	ND	150
95-57-8 2-Chlorophenol	ND	150
7005-72-3 4-Chlorophenyl Phenyl Ether	ND	150
218-01-9 Chrysene	ND	150
53-70-3 Dibenzo(a,h)anthracene	ND	150
132-64-9 Dibenzofuran	ND	150
84-74-2 Di-N-Butyl Phthalate	ND	150
95-50-1 1,2-Dichlorobenzene	ND	150
541-73-1 1,3-Dichlorobenzene	ND	150
106-46-7 1,4-Dichlorobenzene	ND	150
91-94-1 3,3'-Dichlorobenzidine	ND	150
120-83-2 2,4-Dichlorophenol	ND	150
84-66-2 Diethyl Phthalate	ND	150
105-67-9 2,4-Dimethylphenol	ND	150
131-11-3 Dimethyl Phthalate	ND	150
534-52-1 4,6-Dinitro-2-Methylphenol	ND	750
51-28-5 2,4-Dinitrophenol	ND	750

D.L. = Detection Limit
ND = Not Detected



2860 WALNUT AVENUE
 LONG BEACH, CALIFORNIA 90806
 (213) 595-9324
 FAX (213) 595-6709

EPA 625 (continued)
 Page 20 of 20

Sample I.D.: MW7-1W
 Date Received: 1/11/90
 Date Extracted: 1/15/90
 Date Analyzed: 1/19/90
 Matrix: Water
 Project #: 0389058
 File #: mkrob3.rep

Compound	Result	D.L.
	----ug/l (ppb)	-----
121-14-2	2,4-Dinitrotoluene	ND 150
606-20-2	2,6-Dinitrotoluene	ND 150
117-84-0	Di-N-Octyl Phthalate	ND 150
206-44-0	Fluoranthene	ND 150
86-73-7	Fluorene	ND 150
118-74-1	Hexachlorobenzene	ND 150
87-68-3	Hexachlorobutadiene	ND 150
77-47-4	Hexachlorocyclopentadiene	ND 150
67-72-1	Hexachloroethane	ND 150
193-39-5	Indeno(1,2,3-cd)pyrene	ND 150
78-59-1	Isophorone	ND 150
91-57-6	2-Methylnaphthalene	ND 150
95-48-7	2-Methylphenol	ND 150
106-44-5	3 & 4-Methylphenols	ND 150
91-20-3	Naphthalene	ND 150
88-74-4	2-Nitroaniline	ND 750
99-09-2	3-Nitroaniline	ND 750
100-01-6	4-Nitroaniline	ND 750
98-95-3	Nitrobenzene	ND 150
88-75-5	2-Nitrophenol	ND 150
100-02-7	4-Nitrophenol	ND 750
86-30-6	N-Nitrosodiphenylamine	ND 150
621-64-7	N-Nitrosodipropylamine	ND 150
87-86-5	Pentachlorophenol	ND 750
85-01-8	Phenanthrene	ND 150
108-95-2	Phenol	ND 150
129-00-0	Pyrene	ND 150
120-82-1	1,2,4-Trichlorobenzene	ND 150
95-95-4	2,4,5-Trichlorophenol	ND 750
88-06-2	2,4,6-Trichlorophenol	ND 150

D.L. = Detection Limit
 ND = Not detected

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	APPROXIMATE CONCENTRATION
C ₅ through C ₈ Fatty Acids	41,000

CHAIN OF CUSTODY RECORD

363



2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(213) 595-9224

PERSONNEL

Sampler (Signature) Don McClenagan
 Phone 415 829-0661
 Field Crew Supervisor _____
 Field Company _____
 Project Geologist/Engineer Don McClenagan

SITE INFORMATION

Job Name Mike Roberts Color Productions
 Job Number 0389058.00
 Sample Location Emeryville
 P.O. Number _____

Relinquished by (Signature) <u>Don McClenagan</u>	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
MW7-1	Soil	1	MRCP	1-3-90	- CAM metals	
MW7-2	↓	↓	↓	↓	- 8080, 8015	
MW8-1	↓	↓	↓	↓	- 8015 for Gas & Diesel	
MW8-2	↓	↓	↓	↓		
B9-1	↓	↓	↓	1-4-89	- 503D	
B9-2	↓	↓	↓	1-4-89	- 824D	
B10-1	↓	↓	↓	1-4-89	- 827D	
B10-2	↓	↓	↓	1-4-89		
					All samples analyzed with these methods	

Remarks: Please send results to John Cummings. Please return cooler, blue ice, some brass tubes, & POC

CHAIN OF CUSTODY RECORD

364



2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90801
(714) 995-9324

PERSONNEL

Sampler (Signature) Don McClenagan
 Phone 415 829-0661
 Field Crew Supervisor _____
 Field Company _____
 Project Geologist/Engineer Don McClenagan

SITE INFORMATION

Job Name Mike Roberts Color Production
 Job Number 0389058
 Sample Location Emeryville
 P.O. Number _____

Relinquished by (Signature) <u>Don McClenagan</u>	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
B11-1	Soil	1	MRCP	1-4-90	- CAM metals - 8080 - 8015 for Gas + Diesel - 503D - 8240 - 8270	
B11-2	↓	↓	↓	↓		
B12-1	↓	↓	↓	↓		
B12-2	↓	↓	↓	↓		
B13-1	↓	↓	↓	↓		
B13-2	↓	↓	↓	↓		
SUMP	Soil	1	MRCP	1-5-90	SAME AS ABOVE	

Remarks: Please send results to John Cummings. Please return ice chest, blue ice, COC and brass tubes.

CHAIN OF CUSTODY RECORD

366



2650 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90806
(714) 595-9324

PERSONNEL

Sampler (Signature) Don McClenaghan
 Phone 415 829 0661
 Field Crew Supervisor _____
 Field Company D. Davis
 Project Geologist/Engineer Don McClenaghan

SITE INFORMATION

Job Name Mike Roberts Color Production (MRCF)
 Job Number 0389058.00
 Sample Location Emeryville
 P.O. Number _____

Relinquished by (Signature) <u>Don McClenaghan</u>	Received by (Signature)	Date	Time
<u>1-10-89</u>			
Relinquished by (Signature)	Received by (Signature)	Date	Time

Analysis laboratory should complete "sample cond. upon receipt" section below, sign, and return copy to Shipper

Sample Number	Sample Type	No. of Cont.	Site Identification	Date Sampled	Analysis Requested	Sample Cond. Upon Receipt
MW1-1W	Water	5	MRCF	1-10-90	418, 8015 mod-	
MW3-1W	"	"	"	1-10-90	ified, 624,	
MW5-1W	"	"	"	1-10-90	and 625	
MW6-1W	"	"	"	1-10-90		
MW7-1W	"	"	"	1-9-90	for all	
MW8-1W	"	"	"	1-8-90	↓	

Remarks: 30 containers. Each sample in 2-one liter jars and 3-VOA's. Liter jar marked for 418 anal. has been acidified. Results to John Cummings.